

## **Annexes to the Operational Hive-Down Agreement**

(Annex A to the notarial deed No 92/2018 of the notary  
Dr. Andreas von Werder in Frankfurt am Main)

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### **Annex V.3**

Business activities of the Operating Units KGaA Healthcare, KGaA Life Science and KGaA Performance Materials to be hived down

**I. Business activities of the Operating Unit KGaA Healthcare to be hived down**

Out of the three global businesses of the Healthcare Business Sector (Biopharma, Consumer Health, Allergopharma), only the Biopharma business is operated by KGaA at the Darmstadt site. Moreover, products for the Consumer Health business are produced. The Biopharma business, to which about 2,700 employees are assigned at the Darmstadt site, researches, develops, and produces prescription drugs. For the business units “Oncology” and “General Medicine & Endocrinology,” these drugs are produced and bottled on the factory premises of KGaA in Darmstadt. The “Oncology” business unit comprises the production of prescription medicines to fight cancer. Erbitux (Cetuximab) is the second best-selling drug in the global portfolio of Biopharma and is KGaA’s flagship product in “Oncology.” The General Medicine & Endocrinology business unit includes the production of prescription medicines to combat cardiovascular, endocrine, diabetes, pain and inflammation. The drugs Concor and Euthyrox held within KGaA are high-value brands and market leaders in many key markets around the world.

In addition, research and development activities for the Biopharma business are pursued within KGaA. These too shall be hived down to HC OpCo in full. Thus, HC OpCo will become the largest research and development unit of the Healthcare Business Sector. All disciplines and functions are represented – from the early stages of research to approval. The focus of the Biopharma research and development activities will remain the development of innovative drugs in the field of oncology.

**II. Business activities of the Operating Unit KGaA Life Science to be hived down**

The Life Science business of KGaA in Darmstadt has approximately 1,680 employees. Within KGaA, they are primarily responsible for production activities as well as – to some extent globally oriented – activities in the areas of sales and marketing, customer service, product management (pricing, advertising, marketing), R&D, and portfolio management for the three global business areas Research Solutions, Process Solutions, and Applied Solutions. Within the business areas, the functional areas within KGaA now are co-responsible for coordinating the respective global business and monitoring, e.g., the profitability of individual products as well as the overall portfolio and the net sales from customers in individual market countries. In this respect, they also act as coordinator for the supply chain / distribution organization and production within Life Science.

In addition, production activities for all business areas that are specialized in chemical production processes are represented in the Operating Unit KGaA Life Science. Thus, with the production in Darmstadt, KGaA serves only a part of the entire Life Science product portfolio. Of relevance are (i) in the “Research Solutions” business area, in particular chemicals and equipment for the research and development and quality assurance in the pharmaceutical and biopharmaceutical industry, (ii) in the “Applied Solutions” business area, analytical separation systems, reference materials and test solutions for microbiology, and (iii)

in the “Process Solutions” business area, pharma-ceutical and biopharmaceutical raw materials.

In addition to the activities in the production area as well as for the three global business units, Life Science is within KGaA responsible for the management of the supply chain across business units and areas, quality management, support in regulatory mat-ters, as well as the management of distribution activities at the Darmstadt site across business units and areas and to some extent across Business Sectors (“on behalf of the Performance Materials and Healthcare Business Sectors”).

### **III. Business activities of the Operating Unit KGaA Performance Materials to be hived down**

The Performance Materials business of KGaA in Darmstadt has approximately 2,500 employees. The activities within KGaA focus primarily on the business units “Display Materials”, “Integrated Circuit Materials”, “Pigments & Functional Materials”, and “Advanced Technologies”, on central functions like “Strategy and Business Opera-tions,” production, quality management, and the support of regulatory matters, as well as on “Supply Chain Management”.

Within the business units, the functional areas represented in KGaA are co-responsible for – to some extent global – coordination of sales and marketing, and customer service (this applies in particular to the business units Display Materials, Advanced Technologies, and Pigments & Functional Materials), product management (pricing, advertising, marketing), R&D, and the management of the product portfolio in the various customer segments, as well as in local and global markets. Furthermore, the functions within KGaA within the Operating Unit KGaA Performance Materials coordinate the interface to intra-group and external customers (in particular in Darmstadt and Gernsheim).

The production activities of the Operating Unit KGaA Performance Materials are concentrated in the business units “Display Materials”, “Advanced Technologies”, and “Pigments & Functional Materials”. The focus of the production activity for the “Display Materials” business is on the liquid crystals segment. As for the “Advanced Technologies” business unit, the focus is on end products of OLED production. Pigment production for the “Pigments & Functional Materials” business unit takes place at the Gernsheim site. At both locations, preliminary and end products are produced for the Life Science Business Sector.

The activities of KGaA in Darmstadt and Gernsheim in the Operating Unit KGaA Performance Materials include the area of “Supply Chain Management”, where the local and global control and planning of (customer) orders, inventories, material flows, warehousing, and production in the Operating Unit KGaA Performance Materials takes place. The employees in the Operating Unit KGaA Performance Materials ensure the availability of goods for incoming customer orders of KGaA. They also cover sales planning, network planning, and production planning for the Operating Unit KGaA Performance Materials’ own manufacturing operations, as well as external subcontractors (contract manufacturers) at international or global level. The supply chain translates the needs of the Business Sectors’



customers into production plans for the production plants in Darmstadt and Gernsheim or into procurement plans at contract manufacturers, and plans the distribution of the goods from the distribution center. In addition, this unit is responsible for logistics in Gernsheim: The task of logistics in Gernsheim comprises, with respect to raw and packaging materials, technical materials and finished products, the functions of incoming goods, storage, internal distribution on the plant premises (including, besides production materials, also mail), distribution, central shipment, and transport management. The logistics services in Darmstadt related to the Operating Unit KGaA Performance Materials are rendered by Life Science.

### **Annex 3.3**

#### **Hive-down Balance Sheet Healthcare**

| Hive-down Balance Sheet Operating Unit KGaA Healthcare per 1.1. 2018 (in EUR) |                    |                                                               |                    |
|-------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------|--------------------|
| Assets                                                                        |                    | Equity and Liabilities                                        |                    |
| A. Fixed assets                                                               |                    | A. Equity                                                     |                    |
| I. Intangible assets                                                          | 287.768.662        | <b>Equity</b>                                                 | 356.638.352        |
|                                                                               |                    | <b>Hive-down Balance Sheet</b>                                |                    |
| II. Tangible Assets                                                           | 82.895.788         |                                                               |                    |
| III. Financial assets                                                         | 230.081            |                                                               |                    |
| <b>Total fixed assets</b>                                                     | <b>370.894.532</b> | B. Provisions                                                 |                    |
|                                                                               |                    |                                                               |                    |
| B. Current assets                                                             |                    | 1. Provisions for pensions and other post-employment benefits | 29.692.103         |
|                                                                               |                    | 2. Other provisions                                           | 275.133.220        |
| I. Inventories                                                                | 203.439.437        | <b>Total provisions</b>                                       | <b>304.825.324</b> |
| II. Receivables and other assets                                              |                    |                                                               |                    |
| 1. Trade accounts receivable                                                  | 116.389.693        | C. Liabilities                                                |                    |
| 2. Other receivables and other assets                                         | 120.443.662        | 1. Trade accounts payable                                     | 149.151.571        |
|                                                                               |                    | 2. Other liabilities                                          | 519.491            |
| <b>Total current assets</b>                                                   | <b>440.272.792</b> | <b>Total liabilities</b>                                      | <b>149.671.062</b> |
|                                                                               |                    |                                                               |                    |
| C. Prepaid Expenses                                                           | 1.720.250          | D. Deferred Income                                            | 1.752.836          |
| <b>Total assets</b>                                                           | <b>812.887.573</b> | <b>Total equity and liabilities</b>                           | <b>812.887.573</b> |

## **Annex 4.2.a**

### **Intangible Assets Healthcare**

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

## I. Trademarks

| Trademark      | Application number | Case number according to internal database |
|----------------|--------------------|--------------------------------------------|
| A.T.10         | 2004720706         | TM1901RU00                                 |
| ABETARG        | 1008885            | TM8596WO01                                 |
| ABETARG        | 2009-0002211       | TM8596CR05                                 |
| ABETARG        | 2009-6402          | TM8596DO0501                               |
| ABETARG        | 726098             | TM8596TH0501                               |
| ABETARG        | 99309              | TM8596LB00                                 |
| ABETARG        | 02933-2010         | TM8596BO0502                               |
| ABETARG        | 41230              | TM8596BN01                                 |
| ABETARG        | 25884/2010         | TM8596PY0501                               |
| ABETARG        | 301654399          | TM8596HK02                                 |
| ABETARG        | 826645             | TM8596NZ02                                 |
| ABETARG        | 099031975          | TM8596TW02                                 |
| ABETARG        | 22842              | TM8596SR01                                 |
| ABETARG        | 2058498            | TM8596IN01                                 |
| ABETARG        | 9587               | TM8596GZ05                                 |
| ABETARG        | 41304              | TM8596BM05                                 |
| ABETARG        | 826818188          | TM8596BR05                                 |
| ABETARG        | 2010-002084        | TM8596NI02                                 |
| ABETARG        | 56332              | TM8596JM02                                 |
| ABETARG        | 10 084336          | TM8596CO0501                               |
| ABETARG        | 302009015821.5     | TM8596DE01                                 |
| ABETARG        | 2009-01688         | TM8596GT05                                 |
| ABETARG        | 1003867            | TM8596MX01                                 |
| ABETARG-LOGO   | E-92201-2009       | TM4252SV05                                 |
| ABETARG-LOGO   | 47003              | TM4252YE05                                 |
| ABETARG-LOGO   | 127221             | TM4252AE05                                 |
| ABETARG-LOGO   | 232554             | TM8596EC0501                               |
| ABETARG-LOGO 3 | 385447             | TM4879PE05                                 |
| ABETARG-LOGO 3 | 106184             | TM4879JO05                                 |
| ACROBAT        | 976807             | TM6258IN00                                 |
| ADANCOR        | 134106             | TM6742SA05                                 |
| ADANCOR        | 117832             | TM6742AE05                                 |
| ADANCOR        | 97086              | TM6742KW05                                 |
| ADANCOR        | 71759              | TM6742BH05                                 |
| ADANCOR        | 53149              | TM6742QA05                                 |
| ADANCOR        | 52807              | TM6742OM05                                 |
| ADANCOR        | 44812              | TM6742YE05                                 |
| ADANCOR        | 228535             | TM6742EG05                                 |
| ADANCOR        | 309 777            | TM6742FR00                                 |
| ADANCOR        | M70996/5WZ         | TM6742DE00                                 |
| ADANCOR        | 103110             | TM6742DZ05                                 |
| ADANCOR        | 189081747          | TM6742IR05                                 |
| ADANCOR        | [not available]    | TM6742JO05                                 |
| ADANCOR        | 132198             | TM6742LB05                                 |
| ADANCOR        | 134441             | TM6742MA05                                 |
| ADANCOR        | TN/E/2010/02540    | TM6742TN05                                 |
| ADETARG        | 1009755            | TM8583WO01                                 |
| ADETARG        | 2009-007556        | TM8583CR05                                 |
| ADETARG        | 2009-6401          | TM8583DO0501                               |
| ADETARG        | 726097             | TM8583TH0501                               |
| ADETARG        | 41293              | TM8583BM05                                 |
| ADETARG        | 9553               | TM8583GZ05                                 |
| ADETARG        | 10760              | TM8583W505                                 |
| ADETARG        | 826644             | TM8583NZ02                                 |
| ADETARG        | 301654407          | TM8583HK02                                 |
| ADETARG        | 099031976          | TM8583TW02                                 |
| ADETARG        | 56033              | TM8583JM02                                 |
| ADETARG        | 25883/2010         | TM8583PY0501                               |
| ADETARG        | 22841              | TM8583SR01                                 |
| ADETARG        | 99310              | TM8583LB00                                 |
| ADETARG        | 120769/C           | TM8583LK05                                 |
| ADETARG        | 02934-2010         | TM8583BO0502                               |
| ADETARG        | 10004669           | TM8583GT0501                               |
| ADETARG        | 42435              | TM8583TT01                                 |
| ADETARG        | 41257              | TM8583BN01                                 |

| Trademark      | Application number | Case number according to internal database |
|----------------|--------------------|--------------------------------------------|
| ADETARG        | 10 081312          | TM8583CO0501                               |
| ADETARG        | 302009015822.3     | TM8583DE02                                 |
| ADETARG        | 1796493            | TM8583IN00                                 |
| ADETARG        | 1003866            | TM8583MX00                                 |
| ADETARG-LOGO   | E-92202-2009       | TM4251SV05                                 |
| ADETARG-LOGO   | 127220             | TM4251AE05                                 |
| ADETARG-LOGO   | 47001              | TM4251YE05                                 |
| ADETARG-LOGO 3 | 106181             | TM4876JO05                                 |
| ADETARG-LOGO 3 | 385448-2009        | TM4876PE05                                 |
| ADJANT         | 1023582            | TM6796IN00                                 |
| AFAAWAC        | 302017026189       | TM26618DE00                                |
| AFORAB         | 4-2016-500697      | TM25538PH00                                |
| AFORABE        | 4-2016-500698      | TM25539PH00                                |
| AFORBALIN      | 4-2015-501711      | TM25232PH00                                |
| AFORBRADIN     | 4-2016-500692      | TM25533PH00                                |
| AFORCAN PLUS   | 4-2016-500694      | TM25535PH00                                |
| AFORCANDE PLUS | 4-2016-500696      | TM25537PH00                                |
| AFORCAR PLUS   | 4-2016-500695      | TM25536PH00                                |
| AFOREZ SV      | 4-2016-500704      | TM25546PH00                                |
| AFORGABALIN    | 4-2015-501712      | TM25230PH00                                |
| AFORIVA        | 4-2016-500690      | TM25532PH00                                |
| AFORIVAB       | 4-2016-500693      | TM25534PH00                                |
| AFORLIP        | 4-2015-502197      | TM25343PH00                                |
| AFORLIP SV     | 4-2016-500705      | TM25545PH00                                |
| AFOROXA        | 4-2016-500700      | TM25541PH00                                |
| AFOROXABAN     | 4-2016-500701      | TM25542PH00                                |
| AFORPATH       | 4-2015-501710      | TM25231PH00                                |
| AFORPRAZOLE    | 4-2016-500699      | TM25540PH00                                |
| AFORVAROX      | 4-2016-500702      | TM25543PH00                                |
| AFORZET        | 4-2015-502259      | TM25342PH00                                |
| AKROBAT        | 976808             | TM25185IN00                                |
| ALCIDO         | 911419900          | TM26054BR00                                |
| ALCIDO         | 1779343            | TM26054MX00                                |
| ALCOWEB        | 011039963          | TM7930EU01                                 |
| ALDIN          | D977353            | TM7312ID05                                 |
| ALERGO-MERCK   | 801077             | TM7398ES00                                 |
| ALGROVA        | M16 02524          | TM26077HU00                                |
| ALGROVA        | 1779326            | TM26077MX00                                |
| ALGROVA        | 911450173          | TM26077BR00                                |
| ALGROVA        | d00-2016-037745    | TM26077ID00                                |
| ALGROVA        | [not available]    | TM26077UG00                                |
| ALGROVA        | MZ/T/2016/032738   | TM26077MZ00                                |
| ALGROVA        | TZ/T/2016/2864     | TM26077TZ00                                |
| ALGROVA        | [not available]    | TM26077AO00                                |
| ALGROVA        | 3201603875         | TM26077OA00                                |
| ALGROVA        | 56703              | TM26077SD00                                |
| ALGROVA        | FTM/8353/2017      | TM26077ET00                                |
| ALGROVA        | 2319/2016          | TM26077GH00                                |
| ALGROVA        | 95283              | TM26077KE00                                |
| ALGROVA        | F/T/2016/11016     | TM26077NG00                                |
| ALPEKTRIS      | 910692440          | TM25565BR00                                |
| ALPEKTRIS      | M16 00607          | TM25565HU00                                |
| ALYPCO         | 911419489          | TM26058BR00                                |
| ALYPCO         | 1779349            | TM26058MX00                                |
| ALYPCO         | 716593             | TM26058PE00                                |
| AMBISAN        | 32138/2009         | TM3899HN05                                 |
| AMBISAN        | 820092266          | TM3899BR05                                 |
| AMBISAN        | 040919             | TM3899PE05                                 |
| AMBISAN        | 97-032554          | TM3899CO05                                 |
| AMBISAN        | 38                 | TM3899CU05                                 |
| AMBISAN        | 5057-97            | TM3899SV05                                 |
| AMBISAN        | 97-03127           | TM3899NI00                                 |
| AMBISAN        | 9705862            | TM3899GT05                                 |
| AMBISAN        | 2.974.736          | TM9016AR00                                 |
| AMBRIL         | 81.423             | TM3990CR05                                 |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Trademark | Application number | Case number according to internal database |
|-----------|--------------------|--------------------------------------------|
| AMBRIL    | [not available]    | TM3990HT05                                 |
| AMBRIL    | 791/93             | TM3990SV05                                 |
| AMBRIL    | 065168             | TM3990PA05                                 |
| AMBRIL    | 1923853            | TM3990AR05                                 |
| AMBRIL    | 332636             | TM3990ID05                                 |
| AMBRIL    | 9936/92            | TM3990HN05                                 |
| AMBRIL    | 1993-00327         | TM3990GT05                                 |
| AMBRIL    | 56574              | TM3990DO05                                 |
| AMBRIL    | 98039020           | TM3990CO05                                 |
| AMBRIL    | 13897/90           | TM3990VE05                                 |
| AMBRIL    | IM-040618.22       | TM3990AW00                                 |
| AMBRIL    | 45334              | TM3990JM00                                 |
| AMBRIL    | D400273            | TM3990CW00                                 |
| AMBRIL    | 35123              | TM3990TT00                                 |
| AMBRIL    | 2009-006016        | TM3990VE0501                               |
| AMBRIL    | 24.901 C.C.        | TM3990NI00                                 |
| AMBRIL    | 962                | TM3990BQ00                                 |
| AMBRIL    | D400273            | TM3990SX00                                 |
| AMBRIL    | M45423/5WZ         | TM3990DE00                                 |
| AMCOR     | D00-2007-031613    | TM4246ID05                                 |
| AMLAFEX   | 500/2016           | TM25600GH00                                |
| AMLAFEX   | 55830              | TM25600UG00                                |
| AMLAFEX   | TZ/T/2016/656      | TM25600TZ00                                |
| AMLAFEX   | 55055              | TM25600SD00                                |
| AMLAFEX   | F/T/2016/2336      | TM25600NG00                                |
| AMLAFEX   | 30828/2016         | TM25600MZ00                                |
| AMLAFEX   | 91318              | TM25600KE00                                |
| AMLAFEX   | 3201600731         | TM25600OA00                                |
| AMLAFEX   | FTM/7176/2016      | TM25600ET00                                |
| AMLAFEX   | 48525              | TM25600AO00                                |
| AMOC LAV  | 356046             | TM4424CL00                                 |
| AMOFEXLAN | 48528              | TM25604AO00                                |
| AMOFEXLAN | 498/2016           | TM25604GH00                                |
| AMOFEXLAN | 56102              | TM25604UG00                                |
| AMOFEXLAN | TZ/T/2016/658      | TM25604TZ00                                |
| AMOFEXLAN | 55059              | TM25604SD00                                |
| AMOFEXLAN | [not available]    | TM25604NG00                                |
| AMOFEXLAN | 30829/2016         | TM25604MZ00                                |
| AMOFEXLAN | 91319              | TM25604KE00                                |
| AMOFEXLAN | 3201600720         | TM25604OA00                                |
| AMOFEXLAN | FTM/7179/2016      | TM25604ET00                                |
| AMVULERA  | 497/2016           | TM25603GH00                                |
| AMVULERA  | 56095              | TM25603UG00                                |
| AMVULERA  | TZ/T/2016/659      | TM25603TZ00                                |
| AMVULERA  | 55058              | TM25603SD00                                |
| AMVULERA  | [not available]    | TM25603NG00                                |
| AMVULERA  | 30830/2016         | TM25603MZ00                                |
| AMVULERA  | 91320              | TM25603KE00                                |
| AMVULERA  | 3201600719         | TM25603OA00                                |
| AMVULERA  | FTM/7175/2016      | TM25603ET00                                |
| AMVULERA  | 48526              | TM25603AO00                                |
| ANAVIR    | 95103              | TM4976DO05                                 |
| ANBAZI    | 511/2016           | TM25615GH00                                |
| ANBAZI    | 56338              | TM25615UG00                                |
| ANBAZI    | TZ/T/2016/667      | TM25615TZ00                                |
| ANBAZI    | 55125              | TM25615SD00                                |
| ANBAZI    | F/T/2016/2354      | TM25615NG00                                |
| ANBAZI    | 308542016          | TM25615MZ00                                |
| ANBAZI    | 91419              | TM25615KE00                                |
| ANBAZI    | 3201600776         | TM25615OA00                                |
| ANBAZI    | FTM/7206/2016      | TM25615ET00                                |
| ANBAZI    | 48752              | TM25615AO00                                |
| ANTROL    | 36235              | TM5128DO05                                 |
| ANTROL    | [not available]    | TM5128HT05                                 |
| ANTROL    | 10.099/96          | TM5128HN05                                 |
| ANTROL    | 5415-96            | TM5128SV05                                 |
| ANTROL    | 1996-07802         | TM5128GT05                                 |
| ANTROL    | 087292             | TM5128PA05                                 |

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| ANTROL          | 97-00715           | TM5128NI00                                 |
| ANTROL          | 39                 | TM5128CU05                                 |
| AOTAL           | 2241               | TM5150FR00                                 |
| ARLARIA         | 93445              | TM26088KE00                                |
| ARLARIA         | F/T/2016/6619      | TM26088NG00                                |
| ARLARIA         | 3377830            | TM26088IN00                                |
| ARLARIA PLUS    | FTM/7719/2016      | TM26100ET00                                |
| ARLARIA PLUS    | 1464/201           | TM26100GH00                                |
| ARLARIA PLUS    | 55899              | TM26100SD00                                |
| ARLARIA PLUS    | 50075              | TM26100AO00                                |
| ARLARIA PLUS    | [not available]    | TM26100NG00                                |
| ARLIV           | 773691             | TM5325CL00                                 |
| ARLIV           | 10.090/96          | TM5325HN05                                 |
| ARLIV           | 9363               | TM5325BO05                                 |
| ARLIV           | 36241              | TM5325DO05                                 |
| ARLIV           | 5416-96            | TM5325SV05                                 |
| ARLIV           | 1996-07809         | TM5325GT05                                 |
| ARLIV           | 087286             | TM5325PA05                                 |
| ARLIV           | 104545             | TM5325CR05                                 |
| ARLIV           | 97-00636           | TM5325NI00                                 |
| ARLIV           | 2008-024415        | TM5325VE0501                               |
| ARLIV           | 830214410          | TM5325BR05                                 |
| ARLIV           | 2008-024416        | TM5325VE0502                               |
| ARLIV           | 41                 | TM5325CU05                                 |
| ARLIVO          | SM-1841-08         | TM4074BO05                                 |
| ARLIVO          | 799.773            | TM4074CL00                                 |
| ARLIVO          | 07135194           | TM4074CO05                                 |
| ARLIVO          | 2008-0000892       | TM4074CR05                                 |
| ARLIVO          | 2008-0022          | TM4074CU05                                 |
| ARLIVO          | 2008-9928          | TM4074DO05                                 |
| ARLIVO          | E-73576-2008       | TM4074SV05                                 |
| ARLIVO          | 2007-10625         | TM4074GT05                                 |
| ARLIVO          | [not available]    | TM4074HT05                                 |
| ARLIVO          | 2008-000431        | TM4074HN05                                 |
| ARLIVO          | 903633             | TM4074MX05                                 |
| ARLIVO          | 168629-01          | TM4074PA05                                 |
| ARLIVO          | 2007-04579         | TM4074NI00                                 |
| ARLIVO          | 830111786          | TM4074BR05                                 |
| ARLIVO          | 2008-023560        | TM4074VE05                                 |
| ARLIVO          | 313090             | TM4074PE05                                 |
| ARLIVO          | 183423             | TM4074EC05                                 |
| ARTREN          | 49286              | TM5456EC05                                 |
| ARTREN          | 466126             | TM5456MX05                                 |
| ARTREN          | 7455-87            | TM5456VE05                                 |
| ARTREN          | 92.129             | TM5456CL00                                 |
| ARTREN          | 274477             | TM5456CO05                                 |
| ARTREN          | 812502779          | TM5456BR05                                 |
| ARTREN          | 2109               | TM5456BO05                                 |
| ARTREN          | 305.724            | TM5456UY00                                 |
| ARTREN          | 145085             | TM5456PE05                                 |
| ARTREN HIPERGEL | 826051162          | TM7598BR05                                 |
| ARTREN HIPERGEL | 03 062518          | TM7598CO05                                 |
| ARTREN HIPERGEL | E-39999-2003       | TM7598SV05                                 |
| ARTREN HIPERGEL | 2003-009832        | TM7598VE05                                 |
| ARTREN PRO      | 89198              | TM5467EC05                                 |
| ARTREN PRO      | 13152              | TM5467VE05                                 |
| ARTRENAC        | 40852              | TM5478MX05                                 |
| ARTRENAC TEC    | 260051             | TM5490MX05                                 |
| ARTRENE         | 661905             | TM8649MX05                                 |
| ARVELTO         | 910692513          | TM25579BR00                                |
| ARVELTO         | 55835              | TM25579UG00                                |
| ARVELTO         | TZ/T/2016/1257     | TM25579TZ00                                |
| ARVELTO         | 55012              | TM25579SD00                                |
| ARVELTO         | F/T/2016/1800      | TM25579NG00                                |
| ARVELTO         | 30781/2016         | TM25579MZ00                                |
| ARVELTO         | 91185              | TM25579KE00                                |
| ARVELTO         | 405/2016           | TM25579GH00                                |
| ARVELTO         | 3201600629         | TM25579OA00                                |

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| ARVELTO   | 48.316             | TM25579AO00                                |
| ARVELTO   | Z-452840           | TM25579PL00                                |
| ARVELTO   | M16 00642          | TM25579HU00                                |
| ARVELTO   | 3197478            | TM25579IN00                                |
| ARVELTO   | 1718721            | TM25579MX00                                |
| ARVELTO   | D00-2016-047123    | TM25579ID00                                |
| ASALIT    | 813358590          | TM5512BR05                                 |
| ASTONIN   | 021398             | TM5631WO00                                 |
| ASTONIN   | 003280278          | TM5631EU00                                 |
| ASTONIN   | 92241792           | TM5631CO05                                 |
| ASTONIN   | M29671/5WZ         | TM5631DE00                                 |
| ATEROBION | 6546-99            | TM5652GT05                                 |
| ATEROBION | 119882             | TM5652CR05                                 |
| ATEROBION | 1295               | TM5652CU05                                 |
| ATEROBION | 107692             | TM5652DO05                                 |
| ATEROBION | 5556-99            | TM5652SV05                                 |
| ATEROBION | [not available]    | TM5652HT05                                 |
| ATEROBION | 10906              | TM5652HN05                                 |
| ATEROBION | 3860               | TM5652NI00                                 |
| ATEROBION | 102460             | TM5652PA05                                 |
| AVUMOXI   | 503/2016           | TM25602GH00                                |
| AVUMOXI   | 56103              | TM25602UG00                                |
| AVUMOXI   | TZ/T/2016/660      | TM25602TZ00                                |
| AVUMOXI   | 55057              | TM25602SD00                                |
| AVUMOXI   | F/T/2016/2338      | TM25602NG00                                |
| AVUMOXI   | 30831/2016         | TM25602MZ00                                |
| AVUMOXI   | 91321              | TM25602KE00                                |
| AVUMOXI   | 3201600722         | TM25602OA00                                |
| AVUMOXI   | FTM/7178/2016      | TM25602ET00                                |
| AVUMOXI   | 48527              | TM25602AO00                                |
| AXEPRA    | 3201601273         | TM25642OA00                                |
| AXEPRA    | FTM/7380/2016      | TM25642ET00                                |
| AXTUMIO   | 012311999          | TM24702EU00                                |
| AXTUMIO   | 1204864            | TM24702WO00                                |
| AXTUMIO   | 1204864            | TM24702WO00                                |
| AXTUMIO   | 3324461            | TM24702AR05                                |
| AXTUMIO   | 38373              | TM24702BS05                                |
| AXTUMIO   | SM025452014        | TM24702BO05                                |
| AXTUMIO   | 45101              | TM24702BN00                                |
| AXTUMIO   | 1105483            | TM24702CL00                                |
| AXTUMIO   | 2014-003777        | TM24702CR05                                |
| AXTUMIO   | 2014-13033         | TM24702DO05                                |
| AXTUMIO   | IEPI2014619        | TM24702EC05                                |
| AXTUMIO   | E1352282014        | TM24702SV05                                |
| AXTUMIO   | 2014004098         | TM24702GT05                                |
| AXTUMIO   | 192192014          | TM24702PY05                                |
| AXTUMIO   | 573916             | TM24702PE05                                |
| AXTUMIO   | 88954              | TM24702QA05                                |
| AXTUMIO   | 1435013758         | TM24702SA05                                |
| AXTUMIO   | 201411148          | TM24702ZA05                                |
| AXTUMIO   | 103024610          | TM24702TW00                                |
| AXTUMIO   | 936119             | TM24702TH05                                |
| AXTUMIO   | 48252              | TM24702TT00                                |
| AXTUMIO   | 211131             | TM24702AE05                                |
| AXTUMIO   | 454989             | TM24702UY00                                |
| AXTUMIO   | 2014-006038        | TM24702VE05                                |
| AXTUMIO   | 66776              | TM24702YE05                                |
| AXTUMIO   | 15162/2014         | TM24702HN05                                |
| AXTUMIO   | 302983852          | TM24702HK00                                |
| AXTUMIO   | D002014021447      | TM24702ID05                                |
| AXTUMIO   | 67065              | TM24702IQ00                                |
| AXTUMIO   | 264786             | TM24702IL05                                |
| AXTUMIO   | 64684              | TM24702JM00                                |
| AXTUMIO   | 134292             | TM24702JO05                                |
| AXTUMIO   | KSM2014397         | TM24702KO00                                |
| AXTUMIO   | 150815             | TM24702KW05                                |
| AXTUMIO   | 158368             | TM24702LB00                                |
| AXTUMIO   | N85850             | TM24702MO05                                |

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| AXTUMIO       | 2014004975         | TM24702MY05                                |
| AXTUMIO       | 2014001535         | TM24702NI00                                |
| AXTUMIO       | FTM0201417336      | TM24702NG05                                |
| AXTUMIO       | 3201401648         | TM24702OA00                                |
| AXTUMIO       | 361147             | TM24702PK05                                |
| AXTUMIO       | 231888             | TM24702PA05                                |
| AXTUMIO       | 302013025745       | TM24702DE00                                |
| AXTUMIO       | DZ/T/2014/001923   | TM24702DZ00                                |
| AZITRES       | 386357             | TM5796CL00                                 |
| AZOLAM        | 4621               | TM7791AF00                                 |
| BACTAZIR      | 509/2016           | TM25612GH00                                |
| BACTAZIR      | 56094              | TM25612UG00                                |
| BACTAZIR      | TZ/T/2016/662      | TM25612TZ00                                |
| BACTAZIR      | 55092              | TM25612SD00                                |
| BACTAZIR      | [not available]    | TM25612NG00                                |
| BACTAZIR      | 308502016          | TM25612MZ00                                |
| BACTAZIR      | 91384              | TM25612KE00                                |
| BACTAZIR      | 3201600768         | TM25612OA00                                |
| BACTAZIR      | FTM/7191/2016      | TM25612ET00                                |
| BACTAZIR      | 48533              | TM25612AO00                                |
| BAJATEN       | 2127041            | TM5905AR05                                 |
| BALINDYA      | M16 02504          | TM26086HU00                                |
| BALINDYA      | D00-2016-037738    | TM26087ID00                                |
| BALINDYA      | 693188             | TM26087PE00                                |
| BALINDYA      | SD2017/0009294     | TM26087CO00                                |
| BALINDYA      | 4-2017-02522       | TM26087VN00                                |
| BALINDYA      | 40201702326X       | TM26087SG00                                |
| BALINDYA      | 2017052165         | TM26087MY00                                |
| BALINDYA      | 58445              | TM26087UG00                                |
| BALINDYA      | 32474/2016         | TM26087MZ00                                |
| BALINDYA      | [not available]    | TM26087TZ00                                |
| BALINDYA      | 50896              | TM26087AO00                                |
| BALINDYA      | 3201603521         | TM26087OA00                                |
| BALINDYA      | 56553              | TM26087SD00                                |
| BALINDYA      | FTM/8079/2016      | TM26087ET00                                |
| BALINDYA      | [not available]    | TM26087GH00                                |
| BALINDYA      | 94861              | TM26087KE00                                |
| BALINDYA      | [not available]    | TM26087NG00                                |
| BALIPVA       | 910692530          | TM25573BR00                                |
| BALIPVA       | 1718712            | TM25573MX00                                |
| BECITAL       | 133298             | TM6081IL05                                 |
| BECLAMIL      | 1701936            | TM4604IN00                                 |
| BECLORIN      | 011650             | TM6181BO05                                 |
| BeCloser-Logo | 2016-0054627       | TM26184CO00                                |
| BETABION      | 003092814          | TM6291EU00                                 |
| BETABION      | M56804/5WZ         | TM6291DE00                                 |
| BETABION      | 6494               | TM6291CY05                                 |
| BETILIP       | 911420045          | TM26057BR00                                |
| BETILIP       | 1779348            | TM26057MX00                                |
| BETTERK1      | 840184050          | TM24269BR03                                |
| BETTERK1      | 840184069          | TM24269BR05                                |
| BETTERK1-LOGO | 1050197            | TM9193WO00                                 |
| BETTERK1-LOGO | 30 2010 037 343    | TM9193DE00                                 |
| BETTERK1-LOGO | 1050197            | TM9193WO00                                 |
| BICONCOR      | 2007-005159        | TM6425VE05                                 |
| BICONCOR      | 2008-0090          | TM6425CU05                                 |
| BICONCOR      | 395670             | TM6425UY00                                 |
| BICONCOR      | MI99C008878        | TM6425IT01                                 |
| BICONCOR      | 813941555          | TM6425BR05                                 |
| BICONCOR      | 115219             | TM6425MX05                                 |
| BICOR         | 702631             | TM6435WO00                                 |
| BICOR         | 846217             | TM6435AU00                                 |
| BICOR         | 1497254            | TM6435GB00                                 |
| BICOR         | 842916             | TM6435AU02                                 |
| BIOCREAM      | D97 18865          | TM6613ID05                                 |
| BISOMERCK     | 801388             | TM6802WO00                                 |
| BISOMERCK     | 003280286          | TM6802EU00                                 |
| BISOPROMERCK  | 780952             | TM6804WO00                                 |

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| BISOPROMERCK         | 155253             | TM6804IL05                                 |
| BISOPROMERCK         | 652436             | TM6804NZ00                                 |
| BISOPROMERCK         | 176276             | TM6804PK05                                 |
| BOI-K                | 2075436            | TM3968ES00                                 |
| BONATE               | 183368             | TM24778LK00                                |
| BONIFEN              | 1965-007008        | TM6811VE05                                 |
| BRADICOR             | 2789530            | TM25173IN00                                |
| BRADICOR             | 15 166199          | TM25173CO00                                |
| BRADICOR             | 1163100            | TM25173CL00                                |
| BRADICOR             | 2015-010686        | TM25173VE00                                |
| BROTOMININ           | 302013028592       | TM24722DE00                                |
| CALBION              | 1644299            | TM6836ES00                                 |
| CALIFOR              | 302008001421.0/05  | TM4410DE00                                 |
| CALONA               | 30 2008 000 951.9  | TM4356DE00                                 |
| CALOZAN              | 1435/97            | TM6850CU05                                 |
| CALOZAN              | 1900-7909205       | TM6850CR05                                 |
| CALOZAN              | [not available]    | TM6850DO05                                 |
| CALOZAN              | 594-85             | TM6850SV05                                 |
| CALOZAN              | 1985-01458         | TM6850GT05                                 |
| CALOZAN              | 37876              | TM6850HT05                                 |
| CALOZAN              | 1326 - 85          | TM6850HN05                                 |
| CALOZAN              | 2002/1691          | TM6850NI00                                 |
| CALOZAN              | 40712              | TM6850PA05                                 |
| CALOZAN              | 97302              | TM6850BZ05                                 |
| CALOZAN HIPERGEL     | E-64905-07         | TM3996SV05                                 |
| CALOZAN PRO          | 39,294             | TM6851DO05                                 |
| CANDESSA Logo        | [not available]    | TM26147BR00                                |
| CARBOPHAGE           | 872238             | TM6877IN00                                 |
| CARBOVANCE           | 990155             | TM6879IN00                                 |
| CARBOVANCE FORTE     | 990156             | TM6880IN00                                 |
| CARDASA              | 113871692          | TM24122FR00                                |
| CARDENSIEL           | MU/M/2012/016000   | TM8013MU00                                 |
| CARDENSIEL           | 83564              | TM8013DZ00                                 |
| CARDENSIEL           | tn/e/2012/01843    | TM8013TN00                                 |
| CARDENSIEL           | 163828             | TM8013MA00                                 |
| CARDICOR             | MI99C 008879       | TM6884IT00                                 |
| CARDICOR             | 846216             | TM6884AU00                                 |
| CARDICOR             | [not available]    | TM6884LB00                                 |
| CARDICOR             | 92-02591           | TM6884MY05                                 |
| CARDICOR             | 02507/92           | TM6884DK00                                 |
| CARDICOR             | 1497264            | TM6884GB00                                 |
| CARDICOR             | 1943/92            | TM6884IE00                                 |
| CARDICOR             | MI2012C000441      | TM6884IT01                                 |
| CARDICOR             | 92-03074           | TM6884SE00                                 |
| CARDICOR             | 92/3222            | TM6884ZA05                                 |
| CARDICOR             | 2014/1389          | TM6884NA00                                 |
| CARDICOR             | 424/2014           | TM6884SZ00                                 |
| CARDIOMETABOLIC CARE | 856367             | TM1711WO00                                 |
| CARDIOMETABOLIC CARE | 856367             | TM1711WO00                                 |
| CARDIOMETABOLIC CARE | 305 06 514.9/05    | TM1711DE01                                 |
| CARDIOMETABOLIC CARE | 2005115123         | TM1711ZA05                                 |
| CARDIOMETABOLIC CARE | 2005115124         | TM1711ZA44                                 |
| CARDIOMETABOLIC CARE | 827968299          | TM1711BR44                                 |
| CARDIOMETABOLIC CARE | 05076951           | TM1711CO05                                 |
| CARDIOMETABOLIC CARE | 05076952           | TM1711CO44                                 |
| CARDIOMETABOLIC CARE | 2005-5596          | TM1711CR05                                 |
| CARDIOMETABOLIC CARE | 2005-0005596       | TM1711CR44                                 |
| CARDIOMETABOLIC CARE | 2005-49900         | TM1711DO05                                 |

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| CARE                 |                    |                                            |
| CARDIOMETABOLIC CARE | 160047             | TM1711EC05                                 |
| CARDIOMETABOLIC CARE | 160048             | TM1711EC44                                 |
| CARDIOMETABOLIC CARE | E-50671            | TM1711SV05                                 |
| CARDIOMETABOLIC CARE | E-50670            | TM1711SV44                                 |
| CARDIOMETABOLIC CARE | 2005-05429         | TM1711GT44                                 |
| CARDIOMETABOLIC CARE | 17.844-2005        | TM1711HN05                                 |
| CARDIOMETABOLIC CARE | 17.843-2005        | TM1711HN44                                 |
| CARDIOMETABOLIC CARE | 0730279            | TM1711MX05                                 |
| CARDIOMETABOLIC CARE | 0729995            | TM1711MX44                                 |
| CARDIOMETABOLIC CARE | 2005-02547         | TM1711NI00                                 |
| CARDIOMETABOLIC CARE | 144219             | TM1711PA05                                 |
| CARDIOMETABOLIC CARE | 144218             | TM1711PA44                                 |
| CARDIOMETABOLIC CARE | 2005-015937        | TM1711VE05                                 |
| CARDIOMETABOLIC CARE | 2005-015938        | TM1711VE44                                 |
| CARDIOMETABOLIC CARE | 1374518            | TM1711IN00                                 |
| CARDIOMETABOLIC CARE | 182399             | TM1711IL05                                 |
| CARDIOMETABOLIC CARE | 81476              | TM1711JO05                                 |
| CARDIOMETABOLIC CARE | 81481              | TM1711JO42                                 |
| CARDIOMETABOLIC CARE | 71733              | TM1711KW05                                 |
| CARDIOMETABOLIC CARE | 71734              | TM1711KW42                                 |
| CARDIOMETABOLIC CARE | 103249             | TM1711LB00                                 |
| CARDIOMETABOLIC CARE | 05012139           | TM1711MY05                                 |
| CARDIOMETABOLIC CARE | 05012138           | TM1711MY44                                 |
| CARDIOMETABOLIC CARE | 37146              | TM1711OM05                                 |
| CARDIOMETABOLIC CARE | 37147              | TM1711OM44                                 |
| CARDIOMETABOLIC CARE | 212134             | TM1711PK05                                 |
| CARDIOMETABOLIC CARE | 4-2005-007028      | TM1711PH00                                 |
| CARDIOMETABOLIC CARE | 36440              | TM1711QA05                                 |
| CARDIOMETABOLIC CARE | 36441              | TM1711QA42                                 |
| CARDIOMETABOLIC CARE | 98629              | TM1711SA05                                 |
| CARDIOMETABOLIC CARE | 98630              | TM1711SA44                                 |
| CARDIOMETABOLIC CARE | 94035130           | TM1711TW00                                 |
| CARDIOMETABOLIC CARE | 71782              | TM1711AE05                                 |
| CARDIOMETABOLIC CARE | 71783              | TM1711AE44                                 |
| CARDIOMETABOLIC CARE | 212135             | TM1711PK44                                 |



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|--------------|--------------------|--------------------------------------------|
| CARE         |                    |                                            |
| CARDIOSTEROL | 723993             | TM3649CL00                                 |
| CARDOMAX     | 1996-03744         | TM6891NI00                                 |
| CARDOMAX     | 1994-02968         | TM6891GT05                                 |
| CARDOMAX     | 2023/96            | TM6891SV05                                 |
| CARDOMAX     | 47                 | TM6891CU05                                 |
| CARIVOK      | Z-453170           | TM25597PL00                                |
| CARIVOK      | M16 00772          | TM25597HU00                                |
| CARIVOK      | 1721737            | TM25597MX00                                |
| CARIVOK      | 912239115          | TM25597BR01                                |
| CAUDALINE    | 828659728          | TM8581BR05                                 |
| CAUDALINE    | 604.653            | TM8581MX05                                 |
| CAZONO       | 971357             | TM4426W000                                 |
| CAZONO       | 302008001436.9/05  | TM4426DE00                                 |
| CAZONO       | 1706147            | TM4426IN00                                 |
| CAZONO       | D00-2008-024804    | TM4426ID05                                 |
| CAZONO       | 08012836           | TM4426MY05                                 |
| CAZONO       | 252819             | TM4426PK05                                 |
| CAZONO       | 701054             | TM4426TH05                                 |
| CAZONO       | 2.835.759          | TM4426AR05                                 |
| CAZONO       | 5498.08            | TM4426BZ05                                 |
| CAZONO       | SM-3118-08         | TM4426BO05                                 |
| CAZONO       | 829881247          | TM4426BR05                                 |
| CAZONO       | 827.333            | TM4426CL00                                 |
| CAZONO       | 08068747           | TM4426CO05                                 |
| CAZONO       | 2008-006411        | TM4426CR05                                 |
| CAZONO       | 2008-28539         | TM4426DO05                                 |
| CAZONO       | 201756             | TM4426EC05                                 |
| CAZONO       | E-77767-2008       | TM4426SV05                                 |
| CAZONO       | 2008-05522         | TM4426GT05                                 |
| CAZONO       | 23026/2008         | TM4426HN05                                 |
| CAZONO       | 944797             | TM4426MX05                                 |
| CAZONO       | 2008-02426         | TM4426NI00                                 |
| CAZONO       | 172516             | TM4426PA05                                 |
| CAZONO       | 358888             | TM4426PE05                                 |
| CAZONO       | 393.814            | TM4426UY00                                 |
| CAZONO       | 2008-013024        | TM4426VE05                                 |
| CAZONO       | 301151900          | TM4426HK00                                 |
| CEBACTIM     | 92316              | TM26021KE00                                |
| CEBACTIM     | 56715              | TM26021UG00                                |
| CEBACTIM     | TZ/T/2016/1240     | TM26021TZ00                                |
| CEBANTIO     | 505/2016           | TM25607GH00                                |
| CEBANTIO     | 55062              | TM25607SD00                                |
| CEBANTIO     | F/T/2016/2343      | TM25607NG00                                |
| CEBAXIF      | 508/2016           | TM25610GH00                                |
| CEBAXIF      | 55065              | TM25610SD00                                |
| CEBAXIF      | F/T/2016/2348      | TM25610NG00                                |
| CEFANTRAL    | [not available]    | TM6972DO05                                 |
| CEFFECTIVE   | 997898             | TM7728IN00                                 |
| CEFOMERC     | 3176               | TM7760AF00                                 |
| CENBACTA     | 3201601269         | TM25643OA00                                |
| CENBACTA     | FTM/7379/2016      | TM25643ET00                                |
| CEPHMERCK    | 399 19 702.8       | TM7009DE00                                 |
| CESOL        | 034639             | TM7021WO00                                 |
| CESOL        | 3200700359         | TM7021OA00                                 |
| CESOL        | 445                | TM7021ST00                                 |
| CESOL        | M35111/5WZ         | TM7021DE00                                 |
| CESOL        | 252.050            | TM7021AU00                                 |
| CESOL        | [not available]    | TM7021DO05                                 |
| CESOL        | 586988             | TM7021CL00                                 |
| CESOL        | 96787              | TM7021IT00                                 |
| CESOL        | 4250               | TM7021MX05                                 |
| CESOL        | 56116              | TM7021PK05                                 |
| CESOL        | 71/4161            | TM7021ZA05                                 |
| CESOL        | 3150/90            | TM7021DK00                                 |
| CESOL        | 84697              | TM7021PL00                                 |
| CESOL        | 2150/90            | TM7021IE00                                 |
| CESOL        | 049529             | TM7021BO05                                 |

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|-----------|--------------------|--------------------------------------------|
| CESOL     | 246822             | TM7021IL00                                 |
| CESOL     | 20070235           | TM7021MG00                                 |
| CESOL     | MW/T/2007/00164    | TM7021MW05                                 |
| CESOL     | 38518              | TM7021YE05                                 |
| CESOL     | 15839              | TM7021LA00                                 |
| CESOL     | 16765              | TM7021AO05                                 |
| CESTOX    | 38.306/M-78        | TM7022BR05                                 |
| CESTOX    | 51501              | TM7022EC05                                 |
| CESTOX    | 2123-84            | TM7022VE01                                 |
| CETIMER   | 053808             | TM7024PE05                                 |
| CETIMER   | 43                 | TM7024CU05                                 |
| CETIMER   | 091864             | TM7024PA05                                 |
| CETIMER   | 31867              | TM7024DO05                                 |
| CETIMER   | 97-03129           | TM7024NI00                                 |
| CETIMER   | 4131               | TM7024CR05                                 |
| CETIMER   | 9705873            | TM7024GT05                                 |
| CETIMER   | 565/98             | TM7024SV05                                 |
| CETIMER   | [not available]    | TM7024HT05                                 |
| CETIMER   | 2166747            | TM7024AR05                                 |
| CETIMER   | 98043208           | TM7024CO05                                 |
| CETIMER   | 422237             | TM7024CL00                                 |
| CETIMER   | 10957              | TM7024BO05                                 |
| CETIMER   | 1998-014071        | TM7024VE05                                 |
| CETIMER   | 345237             | TM7024MX05                                 |
| CETIMER   | 12629/97           | TM7024HN05                                 |
| CETIMER   | 81/33712           | TM7024BB00                                 |
| CETIMER   | 89926              | TM7024EC05                                 |
| CETIMER   | 829624767          | TM7024BR05                                 |
| CEVANTEK  | 506/2016           | TM25608GH00                                |
| CEVANTEK  | 55063              | TM25608SD00                                |
| CEVANTEK  | F/T/2016/2344      | TM25608NG00                                |
| CEVIGRAM  | 507/2016           | TM25609GH00                                |
| CEVIGRAM  | 55064              | TM25609SD00                                |
| CEVIGRAM  | F/T/2016/2347      | TM25609NG00                                |
| CEVODIME  | 504/2016           | TM25606GH00                                |
| CEVODIME  | 55061              | TM25606SD00                                |
| CEVODIME  | [not available]    | TM25606NG00                                |
| CIDOCEF   | 997897             | TM1904IN00                                 |
| CILOSTAL  | 0865-04            | TM8580BO05                                 |
| CILOSTAL  | 2004-0205          | TM8580CU05                                 |
| CILOSTAL  | 26753              | TM8580BS05                                 |
| CILOSTAL  | [not available]    | TM8580BB05                                 |
| CILOSTAL  | 34939              | TM8580TT00                                 |
| CILOSTAL  | 2488.04            | TM8580BZ05                                 |
| CILOSTAL  | 167883             | TM8580EC05                                 |
| CILOSTAL  | 1.566.015          | TM8580AR05                                 |
| CILOSTAL  | [not available]    | TM8580CO05                                 |
| CILOSTAL  | 2003-0005031       | TM8580CR05                                 |
| CILOSTAL  | 2003-031120        | TM8580SV05                                 |
| CILOSTAL  | 2002-07362         | TM8580GT05                                 |
| CILOSTAL  | 9033-03            | TM8580HN05                                 |
| CILOSTAL  | 2003-002264        | TM8580NI00                                 |
| CILOSTAL  | 126.151            | TM8580PA05                                 |
| CILOSTAL  | 0162148            | TM8580PE05                                 |
| CILOSTAL  | 2002-156694        | TM8580DO05                                 |
| CILOSTAL  | 04171-2003         | TM8580VE05                                 |
| CILOSTAL  | 2012-0605          | TM8580CU00                                 |
| CILOSTAL  | 977                | TM8580BQ00                                 |
| CILOSTAL  | D-500274           | TM8580CW00                                 |
| CILOSTAL  | IM-050526.28       | TM8580AW00                                 |
| CIMIDONA  | 828523010          | TM3864BR05                                 |
| CINPROVI  | 3201601272         | TM25644OA00                                |
| CINPROVI  | FTM/7377/2016      | TM25644ET00                                |
| CISANER   | 6466/97            | TM7079HN05                                 |
| CISANER   | 11741-97           | TM7079VE05                                 |
| CISANER   | 040908             | TM7079PE05                                 |
| CISANER   | 298255             | TM7079MX05                                 |
| CISANER   | 78920              | TM7079EC05                                 |

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| CISANER    | 97-032550          | TM7079CO05                                 |
| CISANER    | 820092215          | TM7079BR05                                 |
| CISANER    | 804960             | TM7079CL00                                 |
| CISANZA    | 3201601270         | TM25645OA00                                |
| CISANZA    | FTM/7381/2016      | TM25645ET00                                |
| CISTICID   | 181.902            | TM7080MX05                                 |
| CISTICID   | 563.368            | TM7080CL00                                 |
| CISTICID   | 1900-6178805       | TM7080CR05                                 |
| CISTICID   | 810 635 704        | TM7080BR05                                 |
| CISTICID   | 92-200470          | TM7080CO05                                 |
| CISTICID   | 1983-000523        | TM7080VE05                                 |
| CITALGAN   | 121325             | TM7083MX05                                 |
| CLANAMO    | 502/2016           | TM25601GH00                                |
| CLANAMO    | 56101              | TM25601UG00                                |
| CLANAMO    | TZ/T/2016/661      | TM25601TZ00                                |
| CLANAMO    | 55056              | TM25601SD00                                |
| CLANAMO    | F/T/2016/2337      | TM25601NG00                                |
| CLANAMO    | 30832/2016         | TM25601MZ00                                |
| CLANAMO    | 91322              | TM25601KE00                                |
| CLANAMO    | 3201600718         | TM25601OA00                                |
| CLANAMO    | FTM/7177/2016      | TM25601ET00                                |
| CLANAMO    | 48529              | TM25601AO00                                |
| CLINDAL    | 9365               | TM7097BO05                                 |
| CLINDAL    | 819300888          | TM7097BR05                                 |
| CLINDAL AZ | 820823570          | TM7098BR05                                 |
| CLINDAL AZ | 56340              | TM7098UG00                                 |
| CLINDAL AZ | 609/2016           | TM7098GH00                                 |
| CLINDAL AZ | TZ/T/2016/669      | TM7098TZ00                                 |
| CLINDAL AZ | 48532              | TM7098AO00                                 |
| CLINDAL AZ | 55093              | TM7098SD00                                 |
| CLINDAL AZ | [not available]    | TM7098NG00                                 |
| CLINDAL AZ | 308522016          | TM7098MZ00                                 |
| CLINDAL AZ | 91383              | TM7098KE00                                 |
| CLINDAL AZ | 3201600769         | TM7098OA00                                 |
| CLINDAL AZ | FTM/7190/2016      | TM7098ET00                                 |
| CLINFAR    | 819324558          | TM7100BR05                                 |
| CLINFAR    | 2703652            | TM7100AR05                                 |
| CLOFAX     | E-5419-96          | TM7103SV05                                 |
| CLOFAX     | 819300896          | TM7103BR05                                 |
| CLOFAX     | 827201117          | TM7103BR0501                               |
| CLORAFEN   | 79832              | TM7105MX05                                 |
| COMBI 7    | 301 66 063.8       | TM7144DE00                                 |
| COMBICOR   | 158755A            | TM7146WO01                                 |
| COMBICOR   | 579976             | TM7146WO00                                 |
| COMBICOR   | 003292372          | TM7146EU00                                 |
| COMBICOR   | M55657/5WZ         | TM7146DE01                                 |
| COMBICOR   | 254753             | TM7146CH00                                 |
| COMBICOR   | 6962/1990          | TM7146DK00                                 |
| COMBICOR   | 1441489            | TM7146GB00                                 |
| COMBICOR   | 5321/90            | TM7146IE00                                 |
| COMBICOR   | 1609/91            | TM7146HK00                                 |
| COMBICOR   | 55411              | TM7146LB00                                 |
| COMBICOR   | 91001469           | TM7146MY05                                 |
| COMBICOR   | 001266             | TM7146SV05                                 |
| COMBICOR   | 22058              | TM7146NI00                                 |
| COMBICOR   | 245343             | TM7146UY00                                 |
| COMBICOR   | 91/6498            | TM7146PY05                                 |
| COMBICOR   | [not available]    | TM7146HT05                                 |
| COMBICOR   | 25749              | TM7146EC05                                 |
| COMBICOR   | [not available]    | TM7146DO05                                 |
| COMBICOR   | 92-343.365         | TM7146CO05                                 |
| COMBICOR   | 816242763          | TM7146BR05                                 |
| COMBICOR   | 52423-C            | TM7146BO05                                 |
| COMBICOR   | 186956             | TM7146PE05                                 |
| COMBICOR   | 10.745-91          | TM7146VE06                                 |
| COMBICOR   | 006034             | TM7146CR05                                 |
| COMBICOR   | 220/99             | TM7146GT05                                 |
| COMBICOR   | 2.448.032          | TM7146AR0501                               |

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| COMBICOR   | 6365               | TM9262KO00                                 |
| COMBIFEM   | 300 40 267.8       | TM7148DE00                                 |
| COMBIFEM   | 2439218            | TM7148ES00                                 |
| COMBIFEM   | MI2001C 0121       | TM7148IT00                                 |
| COMBISEVEN | 301 66 061.1       | TM7155DE00                                 |
| CONCOR     | 000995688          | TM7201EU00                                 |
| CONCOR     | 487589             | TM7201WO00                                 |
| CONCOR     | 487589             | TM7201WO00                                 |
| CONCOR     | 3758               | TM7201W505                                 |
| CONCOR     | 97/00448           | TM7201LS00                                 |
| CONCOR     | 3285               | TM7201GZ05                                 |
| CONCOR     | 2007-0218          | TM7201CU05                                 |
| CONCOR     | 1057588            | TM7201CA00                                 |
| CONCOR     | 396 48 844.7       | TM7201DE00                                 |
| CONCOR     | 14779              | TM7201LY05                                 |
| CONCOR     | 22461              | TM7201KW05                                 |
| CONCOR     | 52651              | TM7201LB00                                 |
| CONCOR     | 26284              | TM7201JO05                                 |
| CONCOR     | 31224              | TM7201IQ00                                 |
| CONCOR     | 40-200120628       | TM7201KR00                                 |
| CONCOR     | 045091             | TM7201BO05                                 |
| CONCOR     | 811912027          | TM7201BR05                                 |
| CONCOR     | 48474              | TM7201CL00                                 |
| CONCOR     | 92242874           | TM7201CO05                                 |
| CONCOR     | 1129/85            | TM7201DK00                                 |
| CONCOR     | [not available]    | TM7201DO05                                 |
| CONCOR     | 51504              | TM7201EC05                                 |
| CONCOR     | 009916             | TM7201SV05                                 |
| CONCOR     | 203812             | TM7201GT05                                 |
| CONCOR     | G000110            | TM7201HT05                                 |
| CONCOR     | 0866-85            | TM7201HN05                                 |
| CONCOR     | 837A/1985          | TM7201HK00                                 |
| CONCOR     | 434884             | TM7201IN00                                 |
| CONCOR     | 16510/94           | TM7201ID05                                 |
| CONCOR     | MA/1171/85         | TM7201MY05                                 |
| CONCOR     | 003363             | TM7201NI00                                 |
| CONCOR     | 46615/85           | TM7201NG05                                 |
| CONCOR     | 85639              | TM7201PK05                                 |
| CONCOR     | 038248             | TM7201PA05                                 |
| CONCOR     | 997                | TM7201PY05                                 |
| CONCOR     | 5994               | TM7201PE05                                 |
| CONCOR     | 1540               | TM7201SA05                                 |
| CONCOR     | S/1168/85          | TM7201SG05                                 |
| CONCOR     | 84/8375            | TM7201ZA05                                 |
| CONCOR     | 74/10259           | TM7201TW00                                 |
| CONCOR     | 289391             | TM7201TH05                                 |
| CONCOR     | 37134              | TM7201TR00                                 |
| CONCOR     | 372.289            | TM7201UY00                                 |
| CONCOR     | 25990              | TM7201CY05                                 |
| CONCOR     | 63512              | TM7201IL05                                 |
| CONCOR     | 4037               | TM7201BG00                                 |
| CONCOR     | 23494 C/87         | TM7201IT00                                 |
| CONCOR     | 93024253           | TM7201CN05                                 |
| CONCOR     | 010266             | TM7201VE05                                 |
| CONCOR     | Z107753            | TM7201PL00                                 |
| CONCOR     | 761 96             | TM7201SZ00                                 |
| CONCOR     | 543154             | TM7201MX0501                               |
| CONCOR     | 97502              | TM7201BZ05                                 |
| CONCOR     | 33477              | TM7201TT00                                 |
| CONCOR     | 42836              | TM7201JM00                                 |
| CONCOR     | [not available]    | TM7201BB05                                 |
| CONCOR     | 25297              | TM7201BS05                                 |
| CONCOR     | D-200666           | TM7201CW00                                 |
| CONCOR     | 111619             | TM7201LK05                                 |
| CONCOR     | 8055               | TM7201CR05                                 |
| CONCOR     | 4/2249/2015        | TM7201MM00                                 |
| CONCOR     | 2014/1089          | TM7201NA00                                 |
| CONCOR     | 6364               | TM9263KO00                                 |

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| CONCOR                        | TZ/T/2014/2253         | TM7201TZ05                                 |
| CONCOR                        | 37.512                 | TM7201AO00                                 |
| CONCOR                        | IM-030902.29           | TM7201AW00                                 |
| CONCOR                        | 84/8375                | TM7201BW00                                 |
| CONCOR                        | 979                    | TM7201BQ00                                 |
| CONCOR                        | D-200666               | TM7201SX00                                 |
| CONCOR                        | 51578                  | TM7201NP00                                 |
| CONCOR                        | 23931/2013             | TM7201MZ00                                 |
| CONCOR                        | 101986                 | TM7201BD05                                 |
| CONCOR                        | 221999                 | TM7201AE00                                 |
| CONCOR                        | 69080                  | TM7201YE00                                 |
| CONCOR                        | 93084                  | TM7201QA00                                 |
| CONCOR                        | 3124                   | TM7201AF00                                 |
| CONCOR                        | KH/61313/14            | TM7201KH00                                 |
| CONCOR                        | UG/T/2014/051284       | TM7201UG00                                 |
| CONCOR                        | [not available]        | TM7201TZ00                                 |
| CONCOR                        | FTM/6767/2015          | TM7201ET00                                 |
| CONCOR                        | EE040586               | TM7201TN00                                 |
| CONCOR                        | 2182748                | TM7201AR05                                 |
| CONCOR                        | 22473                  | TM7201IR00                                 |
| CONCOR (ARABIC)               | 247300                 | TM7201IL01                                 |
| CONCOR (CHINESE 4 : KANG XIN) | 301473408              | TM8962HK00                                 |
| CONCOR (CHINESE 4)            | 4848247                | TM3824CN05                                 |
| CONCOR (KYRILLISCH)           | 682683                 | TM7250WO00                                 |
| CONCOR (KYRILLISCH)           | 97705809               | TM7250RU00                                 |
| CONCOR (KYRILLISCH)           | 247301                 | TM7201IL02                                 |
| CONCOR (HEBRÄISCH)            | 247299                 | TM7201IL00                                 |
| CONCOR AM                     | 1116789                | TM24134WO00                                |
| CONCOR AM                     | 121545                 | TM24134BG00                                |
| CONCOR AM                     | Z-201171552            | TM24134SI00                                |
| CONCOR AM                     | 302098413              | TM24134HK00                                |
| CONCOR AM                     | M-11-1505              | TM24134LV00                                |
| CONCOR AM                     | 2011 2125              | TM24134LT00                                |
| CONCOR AM                     | 30 2011 068 219.4 / 05 | TM24134DE00                                |
| CONCOR AM                     | 128984                 | TM24134KW00                                |
| CONCOR AM                     | 20123728               | TM24134CR00                                |
| CONCOR AM                     | 1004485                | TM24134CL00                                |
| CONCOR AM                     | 12072452               | TM24134CO00                                |
| CONCOR AM                     | 172739                 | TM24134AE00                                |
| CONCOR AM                     | 2012-10396             | TM24134DO00                                |
| CONCOR AM                     | 2012-21085             | TM24134EC00                                |
| CONCOR AM                     | 2012-03298             | TM24134GT00                                |
| CONCOR AM                     | 14177/2012             | TM24134HN00                                |
| CONCOR AM                     | D00-2012-019845        | TM24134ID00                                |
| CONCOR AM                     | 60294                  | TM24134JM00                                |
| CONCOR AM                     | 123960                 | TM24134JO00                                |
| CONCOR AM                     | 1269017                | TM24134MX00                                |
| CONCOR AM                     | 2012006812             | TM24134MY00                                |
| CONCOR AM                     | 491408                 | TM24134PE00                                |
| CONCOR AM                     | 318877                 | TM24134PK00                                |
| CONCOR AM                     | 74391                  | TM24134QA00                                |
| CONCOR AM                     | 181602                 | TM24134SA00                                |
| CONCOR AM                     | E-118018-2012          | TM24134SV00                                |
| CONCOR AM                     | 845265                 | TM24134TH00                                |
| CONCOR AM                     | 45276                  | TM24134TT00                                |
| CONCOR AM                     | 212122                 | TM24134PA00                                |
| CONCOR AM                     | 143561                 | TM24134LB00                                |
| CONCOR AM                     | 2012-001914            | TM24134NI00                                |
| CONCOR AM                     | 2356288                | TM24134IN00                                |
| CONCOR AM                     | F/TM/O/2017/115317     | TM24134NG00                                |
| CONCOR AM                     | M 2011 08312           | TM24134RO00                                |
| CONCOR AM                     | 61698                  | TM24134IQ00                                |
| CONCOR AM                     | 22688631               | TM24134CN00                                |

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| (CHINESE) 1             |                        |                                            |
| CONCOR AM (CHINESE) 2   | [not available]        | TM24134CN01                                |
| CONCOR AM (CHINESE) 3   | [not available]        | TM24134CN02                                |
| CONCOR AM (CHINESE) 4   | [not available]        | TM24134CN03                                |
| CONCOR AM (KYRILLISCH)  | 2012709877             | TM24134RU00                                |
| CONCOR AMLO             | 113585                 | TM24142DZ00                                |
| CONCOR AMLO             | M11 03859              | TM24142HU00                                |
| CONCOR AMLO             | 2012/00626             | TM24142TN00                                |
| CONCOR AMLO             | 141566                 | TM24142MA00                                |
| CONCOR AMLO             | 2012/31975             | TM24142ZA00                                |
| CONCOR AMLO             | 904283836              | TM24142BR00                                |
| CONCOR AM-LOGO          | 763596                 | TM5197WO00                                 |
| CONCOR AM-LOGO          | 003453099              | TM5197EU00                                 |
| CONCOR AM-LOGO          | 116254                 | TM5197EC05                                 |
| CONCOR AM-LOGO          | 17089-2001             | TM5197SV05                                 |
| CONCOR AM-LOGO          | 2001-05492             | TM5197GT05                                 |
| CONCOR AM-LOGO          | 3218-2001              | TM5197HN05                                 |
| CONCOR AM-LOGO          | 497111                 | TM5197MX05                                 |
| CONCOR AM-LOGO          | 2839                   | TM5197NI00                                 |
| CONCOR AM-LOGO          | 19018                  | TM5197PY05                                 |
| CONCOR AM-LOGO          | 131944                 | TM5197PE05                                 |
| CONCOR AM-LOGO          | 2001 11575             | TM5197HK00                                 |
| CONCOR AM-LOGO          | 150836                 | TM5197IL05                                 |
| CONCOR AM-LOGO          | 40-200131806           | TM5197KR00                                 |
| CONCOR AM-LOGO          | 88109                  | TM5197LB00                                 |
| CONCOR AM-LOGO          | 2001-09597             | TM5197MY05                                 |
| CONCOR AM-LOGO          | 642056                 | TM5197NZ00                                 |
| CONCOR AM-LOGO          | 172943                 | TM5197PK05                                 |
| CONCOR AM-LOGO          | 2001-017132            | TM5197VE05                                 |
| CONCOR AM-LOGO          | 2347184                | TM5197AR05                                 |
| CONCOR AM-LOGO          | 117                    | TM5197BO05                                 |
| CONCOR AM-LOGO          | 823610063              | TM5197BR05                                 |
| CONCOR AM-LOGO          | 537763                 | TM5197CL00                                 |
| CONCOR AM-LOGO          | 1061320                | TM5197CO05                                 |
| CONCOR AM-LOGO          | 2001-0005595           | TM5197CR05                                 |
| CONCOR AM-LOGO          | 4-2004-005681          | TM5197PH01                                 |
| CONCOR ASA              | 493394                 | TM24133PT00                                |
| CONCOR ASA              | [not available]        | TM24133PL00                                |
| CONCOR ASA              | 2012703870             | TM24133RU00                                |
| CONCOR ASA (KYRILLISCH) | 2012703871             | TM24133RU01                                |
| CONCOR ASA-LOGO         | 1119190                | TM24175WO00                                |
| CONCOR ASA-LOGO         | 010835262              | TM24175EU00                                |
| CONCOR ASA-LOGO         | 1134058                | TM24175WO01                                |
| CONCOR ASA-LOGO         | 010988616              | TM24175EU01                                |
| CONCOR ASA-LOGO         | 30 2011 069 032.4 / 05 | TM24175DE00                                |
| CONCOR ASA-LOGO         | 30 2012 036 680.5 / 44 | TM24175DE01                                |
| CONCOR COR              | Z-2003/2009            | TM9007RS00                                 |
| CONCOR COR              | 2356289                | TM9007IN00                                 |
| CONCOR COR              | TM9007MM00             |                                            |
| CONCOR COR              | 200969                 | TM9007LK00                                 |
| CONCOR COR              | 2016703823             | TM9007RU00                                 |
| CONCOR COR              | TM 2010/1233           | TM9007MK00                                 |
| CONCOR COR              | 51579                  | TM9007NP00                                 |
| CONCOR COR              | 26452                  | TM9007LY00                                 |
| CONCOR COR (KYRILLISCH) | 2016704651             | TM25553RU00                                |
| CONCOR COR-LOGO         | 763631                 | TM7245WO00                                 |
| CONCOR COR-LOGO         | 009125361              | TM7245EU00                                 |
| CONCOR COR-LOGO         | 300 91 892.5           | TM7245DE00                                 |
| CONCOR COR-LOGO         | 60757                  | TM7245CY05                                 |
| CONCOR COR-LOGO         | 2002 02574             | TM7245HK00                                 |
| CONCOR COR-LOGO         | 1030049                | TM7245IN00                                 |
| CONCOR COR-LOGO         | 150843                 | TM7245IL05                                 |

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| CONCOR COR-LOGO             | 63680              | TM7245JO05                                 |
| CONCOR COR-LOGO             | 51840              | TM7245KW05                                 |
| CONCOR COR-LOGO             | 88107              | TM7245LB00                                 |
| CONCOR COR-LOGO             | 26013              | TM7245OM05                                 |
| CONCOR COR-LOGO             | 642057             | TM7245NZ00                                 |
| CONCOR COR-LOGO             | 172995             | TM7245PK05                                 |
| CONCOR COR-LOGO             | 25793              | TM7245QA05                                 |
| CONCOR COR-LOGO             | 72382              | TM7245SA05                                 |
| CONCOR COR-LOGO             | 2001/12777         | TM7245ZA05                                 |
| CONCOR COR-LOGO             | 44153              | TM7245AE05                                 |
| CONCOR COR-LOGO             | 6363               | TM9264KO00                                 |
| CONCOR Heart Shaped Pill 3D | 1745020            | TM26167MX00                                |
| CONCOR PLUS                 | 90/2231            | TM7257ZA05                                 |
| CONCOR PLUS                 | 2356290            | TM7257IN00                                 |
| CONCOR PLUS                 | 224502             | TM7257IR00                                 |
| CONCOR PLUS-LOGO            | 763592             | TM7258WO00                                 |
| CONCOR PLUS-LOGO            | 003414638          | TM7258EU00                                 |
| CONCOR PLUS-LOGO            | 300 91 891.7       | TM7258DE00                                 |
| CONCOR PLUS-LOGO            | 72335              | TM7258SA05                                 |
| CONCOR PLUS-LOGO            | 88108              | TM7258LB00                                 |
| CONCOR PLUS-LOGO            | 60758              | TM7258CY05                                 |
| CONCORAM                    | 2011/30369         | TM24143ZA00                                |
| CONCORAM                    | Z-393833           | TM24143PL00                                |
| CONCORAM                    | 37/2012            | TM24143SZ00                                |
| CONCORAM                    | BW/M/12/00136      | TM24143BW00                                |
| CONCORAM                    | LS/M/12/00059      | TM24143LS00                                |
| CONCORAM                    | 2012/0148          | TM24143NA00                                |
| CONCORAM 3D                 | 010957314          | TM24266EU00                                |
| CONCORAMLO                  | Z-201271146        | TM24273SI00                                |
| CONCORASA                   | 5505/2011          | TM24133AT00                                |
| CONCORASA                   | Z-201171444        | TM24133SI00                                |
| CONCORASA                   | Z20111966A         | TM24133HR00                                |
| CONCORASA                   | Z-1846/2011        | TM24133RS00                                |
| CONCORASA                   | 490976             | TM24133PT01                                |
| CONCORDINA                  | Z-201371495        | TM24862SI00                                |
| CONCORE                     | 80595              | TM7268PH00                                 |
| CONCORE AM                  | 4-2012-005505      | TM24257PH00                                |
| CONCOR-LOGO                 | 763593             | TM7262WO00                                 |
| CONCOR-LOGO                 | 009125154          | TM9199EU00                                 |
| CONCOR-LOGO                 | 300 91 890.9       | TM7262DE00                                 |
| CONCOR-LOGO                 | 60756              | TM7262CY05                                 |
| CONCOR-LOGO                 | 2001 11745         | TM7262HK00                                 |
| CONCOR-LOGO                 | 1030050            | TM7262IN00                                 |
| CONCOR-LOGO                 | D00200116402       | TM7262ID05                                 |
| CONCOR-LOGO                 | 150844             | TM7262IL05                                 |
| CONCOR-LOGO                 | 63679              | TM7262JO05                                 |
| CONCOR-LOGO                 | 40-200132237       | TM7262KR00                                 |
| CONCOR-LOGO                 | 51839              | TM7262KW05                                 |
| CONCOR-LOGO                 | 88106              | TM7262LB00                                 |
| CONCOR-LOGO                 | 2001-09598         | TM7262MY05                                 |
| CONCOR-LOGO                 | 642058             | TM7262NZ00                                 |
| CONCOR-LOGO                 | 26012              | TM7262OM05                                 |
| CONCOR-LOGO                 | 172994             | TM7262PK05                                 |
| CONCOR-LOGO                 | 4-2001-05326       | TM7262PH00                                 |
| CONCOR-LOGO                 | 25792              | TM7262QA05                                 |
| CONCOR-LOGO                 | 72384              | TM7262SA05                                 |
| CONCOR-LOGO                 | 2001/12778         | TM7262ZA05                                 |
| CONCOR-LOGO                 | 90030417           | TM7262TW00                                 |
| CONCOR-LOGO                 | 461343             | TM7262TH05                                 |
| CONCOR-LOGO                 | 44152              | TM7262AE05                                 |
| CONCOR-LOGO                 | 18176              | TM7262YE05                                 |
| CONCOR-LOGO                 | 2347185            | TM7262AR05                                 |
| CONCOR-LOGO                 | 118                | TM7262BO05                                 |
| CONCOR-LOGO                 | 823610152          | TM7262BR05                                 |
| CONCOR-LOGO                 | 537764             | TM7262CL00                                 |
| CONCOR-LOGO                 | 1061318            | TM7262CO05                                 |
| CONCOR-LOGO                 | 2001-0005596       | TM7262CR05                                 |

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| CONCOR-LOGO   | [not available]    | TM7262DO05                                 |
| CONCOR-LOGO   | 116255             | TM7262EC05                                 |
| CONCOR-LOGO   | 17086-2001         | TM7262SV05                                 |
| CONCOR-LOGO   | 2001-5491          | TM7262GT05                                 |
| CONCOR-LOGO   | 3217               | TM7262HN05                                 |
| CONCOR-LOGO   | 497112             | TM7262MX05                                 |
| CONCOR-LOGO   | 2840               | TM7262NI00                                 |
| CONCOR-LOGO   | 116417             | TM7262PA05                                 |
| CONCOR-LOGO   | 19019              | TM7262PY05                                 |
| CONCOR-LOGO   | 131942             | TM7262PE05                                 |
| CONCOR-LOGO   | 332969             | TM7262UY00                                 |
| CONCOR-LOGO   | 2001-017131        | TM7262VE05                                 |
| CONCOR-LOGO   | 6359               | TM9265KO00                                 |
| CONCOR-LOGO 1 | 37325/2010         | TM9214PY05                                 |
| CONGESCOR     | 000051227          | TM7280EU01                                 |
| CONGESCOR     | 699824             | TM7280WO00                                 |
| CONGESCOR     | 699824             | TM7280WO00                                 |
| CONGESCOR     | 98/763166          | TM7280FR00                                 |
| CONGESCOR     | 846209             | TM7280AU00                                 |
| CONGESCOR     | 6360               | TM9266KO00                                 |
| CONGESCOR     | 209328             | TM7280IE00                                 |
| CONGESCOR     | 138077             | TM7280GR00                                 |
| CONGESCOR     | 15757              | TM7280TR00                                 |
| CONTI 7       | 777180             | TM7284WO00                                 |
| CONTI 7       | 777180             | TM7284WO00                                 |
| CONTI 7       | 301 70 620.4       | TM7284DE00                                 |
| CONTILAC      | 429693             | TM7286CL00                                 |
| CONTISEVEN    | 777148             | TM7287WO00                                 |
| CONTISEVEN    | 777148             | TM7287WO00                                 |
| CONTISEVEN    | 301 70 621.2       | TM7287DE00                                 |
| CONTISEVEN    | MI2001C 012673     | TM7287IT00                                 |
| CONTROL-K     | 395671             | TM7297UY00                                 |
| CORBRADA      | 4-2016-015333      | TM26183PH00                                |
| CORVALOX      | 787.707            | TM4241CL00                                 |
| CORVALOX      | 188943             | TM4241EC05                                 |
| CORVALOX      | 881557             | TM4241MX05                                 |
| CORVALOX      | 328104             | TM4241PE05                                 |
| CORVALOX      | 385.194            | TM4241UY00                                 |
| CORVALOX      | 2007-021596        | TM4241VE05                                 |
| CORVALOX      | SM-3978-2007       | TM4241BO05                                 |
| CORVALOX      | IEPI-2015-54257    | TM4241EC00                                 |
| CORVALOX      | 1704776            | TM4241MX00                                 |
| CORVALOX      | 15136897           | TM4241CO00                                 |
| CORVALOX      | 829359443          | TM4241BR05                                 |
| CORVALOX AMLO | 1669935            | TM25391MX00                                |
| CORVALOX AMLO | 15136893           | TM25391CO00                                |
| CORVALOX HCT  | 1669933            | TM25392MX00                                |
| CORVALOX HCT  | 15136918           | TM25392CO00                                |
| CUPERON       | 970658             | TM4411WO00                                 |
| CUPERON       | 302008001422.9/05  | TM4411DE00                                 |
| CUPERON       | 2.836.936          | TM4411AR05                                 |
| CUPERON       | 5493.08            | TM4411BZ05                                 |
| CUPERON       | SM-3116-08         | TM4411BO05                                 |
| CUPERON       | 827.333            | TM4411CL00                                 |
| CUPERON       | 08068751           | TM4411CO05                                 |
| CUPERON       | 2008-006413        | TM4411CR05                                 |
| CUPERON       | 2008-28543         | TM4411DO05                                 |
| CUPERON       | 201757             | TM4411EC05                                 |
| CUPERON       | E-77768-2008       | TM4411SV05                                 |
| CUPERON       | 2008-05523         | TM4411GT05                                 |
| CUPERON       | 23027/2008         | TM4411HN05                                 |
| CUPERON       | 216593             | TM4411PA00                                 |
| CUPERON       | 2012-003334        | TM4411NI01                                 |
| CUPERON       | 2008-02428         | TM4411NI00                                 |
| CUPERON       | 172511             | TM4411PA05                                 |
| CUPERON       | 358890             | TM4411PE05                                 |
| CUPERON       | 393.813            | TM4411UY00                                 |
| CUPERON       | 2008-013025        | TM4411VE05                                 |

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| CUPERON        | 2011-011715        | TM4411VE01                                 |
| CUPERON        | 2013-5714          | TM4411DO00                                 |
| CUPERON-LOGO   | 11077556           | TM4411CO00                                 |
| CUPERON-LOGO   | 459251             | TM4411PE00                                 |
| CUPERON-LOGO   | 2012-28285         | TM4411EC00                                 |
| CURAEUS        | 302017026188       | TM26617DE00                                |
| CURAF A        | 3020170261861      | TM26616DE00                                |
| CURAF A        | [not available]    | TM26616BR05                                |
| CURAF A        | [not available]    | TM26616BR35                                |
| CURAF A        | [not available]    | TM26616BR36                                |
| CURAF A        | [not available]    | TM26616BR38                                |
| CURAF A        | [not available]    | TM26616BR41                                |
| CURAF A        | [not available]    | TM26616BR42                                |
| CURAF A        | [not available]    | TM26616BR44                                |
| CURAF A        | [not available]    | TM26616CN00                                |
| CURAF A        | [not available]    | TM26616NG05                                |
| CURAF A        | [not available]    | TM26616NG35                                |
| CURAF A        | [not available]    | TM26616NG36                                |
| CURAF A        | [not available]    | TM26616NG38                                |
| CURAF A        | [not available]    | TM26616NG41                                |
| CURAF A        | [not available]    | TM26616NG42                                |
| CURAF A        | [not available]    | TM26616NG44                                |
| CURAF A        | [not available]    | TM26616OA00                                |
| CURAF A        | [not available]    | TM26616GH05                                |
| CURAF A        | [not available]    | TM26616GH35                                |
| CURAF A        | [not available]    | TM26616GH36                                |
| CURAF A        | [not available]    | TM26616GH38                                |
| CURAF A        | [not available]    | TM26616GH41                                |
| CURAF A        | [not available]    | TM26616GH42                                |
| CURAF A        | [not available]    | TM26616GH44                                |
| CURAF A        | [not available]    | TM26616ZA05                                |
| CURAF A        | [not available]    | TM26616ZA38                                |
| CURAF A        | [not available]    | TM26616ZA44                                |
| CURAF A        | [not available]    | TM26616OA05                                |
| CURAF A        | 99717              | TM26616KE00                                |
| CYPERIO        | 3201601271         | TM25646OA00                                |
| CYPERIO        | FTM/7378/2016      | TM25646ET00                                |
| CYSTICIDE      | 97/00447           | TM7453LS00                                 |
| CYSTICIDE      | 172/86             | TM7453ZW05                                 |
| CYSTICIDE      | 97/0828            | TM7453NA05                                 |
| CYSTICIDE      | M49170/5WZ         | TM7453DE00                                 |
| CYSTICIDE      | 81/6014            | TM7453ZA05                                 |
| CYSTICIDE      | 81/6014            | TM7453BW00                                 |
| CYTOBION       | 003093176          | TM7461EU00                                 |
| CYTOBION       | 72809              | TM7461JO05                                 |
| CYTOBION       | 86195              | TM7461SA05                                 |
| CYTOBION       | M59396/5WZ         | TM7461DE00                                 |
| DABERIDE XR    | 1779350            | TM26059MX00                                |
| DACORTIN       | 193274             | TM7499WO00                                 |
| DACORTIN       | 193274             | TM7499WO00                                 |
| DANADEN        | 2.767.918          | TM7506AR05                                 |
| DANCOR         | 563606             | TM7510WO00                                 |
| DANCOR         | 003289774          | TM7510EU00                                 |
| DANCOR         | 92/4360            | TM7510ZA05                                 |
| DANCOR         | 46713              | TM7510AO00                                 |
| DANCOR         | 1992-05461         | TM7510GT05                                 |
| DECENTAN       | 210262             | TM7539WO00                                 |
| DECENTAN       | 210262             | TM7539WO00                                 |
| DECENTAN       | M11390/5WZ         | TM7539DE00                                 |
| DECENTAN-DEPOT | M42155/5WZ         | TM7540DE00                                 |
| DECORTIN       | 672645             | TM7567WO00                                 |
| DECORTIN       | 003289139          | TM7567EU00                                 |
| DECORTIN       | M9270/5WZ          | TM7567DE00                                 |
| DECORTIN       | W62077             | TM7567DE01                                 |
| DEFLOX         | 251865             | TM7578MX05                                 |
| DEFLUIN        | 386.360            | TM7583CL00                                 |
| DELAX          | 4/13446/2015       | TM3437MM00                                 |
| DEMEXOR        | 822341620          | TM7597BR05                                 |

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| DEMEXOR     | 133299             | TM7597IL05                                 |
| DENVAR      | E-1694-93          | TM7612SV05                                 |
| DENVAR      | 65608              | TM7612PA05                                 |
| DENVAR      | 141147             | TM7612MX05                                 |
| DENVAR      | 1992-06620         | TM7612GT05                                 |
| DENVAR      | 25479              | TM7612BS05                                 |
| DENVAR      | 1325               | TM7612BZ05                                 |
| DENVAR      | 043398             | TM7612JM00                                 |
| DENVAR      | 33335              | TM7612TT00                                 |
| DENVAR      | 1993/00385         | TM7612NI00                                 |
| DENVAR      | 38148              | TM7612CR05                                 |
| DENVAR      | 8068-04            | TM7612HN05                                 |
| DENVAR      | 33843              | TM7612DO05                                 |
| DENVAR      | 1026034MX          | TM7612ES00                                 |
| DENVAR      | [not available]    | TM7612BB00                                 |
| DENVAR      | Z-1021/12          | TM7612RS00                                 |
| DEPEX       | 4620               | TM7616AF00                                 |
| DEPICOR     | 504803             | TM7618IN00                                 |
| DEPICOR     | 111613             | TM7618LK05                                 |
| DEPICOR     | BT/T/2015/8538     | TM7618BT05                                 |
| DEPICOR     | 59710              | TM7618NP05                                 |
| DESFLAM     | 200390             | TM7722MX05                                 |
| DESMO       | E-1249/84          | TM7732SV05                                 |
| DEXFLAM     | 455007             | TM7771CL00                                 |
| DIABETAL    | 259713             | TM7772MX05                                 |
| DIAFORMIN   | 2016/24630         | TM26136ZA00                                |
| DIADVANCE   | [not available]    | TM8078AU01                                 |
| DICLIN      | 823984362          | TM7794BR0501                               |
| DIGIMERCK   | 003280401          | TM7830EU00                                 |
| DIGIMERCK   | M4446/5WZ          | TM7830DE00                                 |
| DIONIN-LOGO | M3080/5WZ          | TM7948DE00                                 |
| DIP         | 263685             | TM7969PE05                                 |
| DIP         | 95-0881            | TM7969BO05                                 |
| DIP         | 3570-95            | TM7969VE05                                 |
| DIP         | 02049649           | TM7969CO05                                 |
| DIP         | 54611              | TM7969EC05                                 |
| DISLIPINA   | 47.806             | TM25314AO00                                |
| DISMAM      | 125.803            | TM8003CL00                                 |
| DISMAM      | 89936              | TM8003PE05                                 |
| DISMAM      | 13877              | TM8003BO05                                 |
| DITAVEN     | 331861             | TM8025WO00                                 |
| DIZIL       | 46.997             | TM25315AO00                                |
| DOLMATRA    | SM-1600-2005       | TM3243BO05                                 |
| DOLMATRA    | 827784104          | TM3243BR05                                 |
| DOLMATRA    | 684.318            | TM3243CL00                                 |
| DOLMATRA    | 05045588           | TM3243CO05                                 |
| DOLMATRA    | 2005-0003211       | TM3243CR05                                 |
| DOLMATRA    | 2005-27132         | TM3243DO05                                 |
| DOLMATRA    | 156789             | TM3243EC05                                 |
| DOLMATRA    | E-48580-2005       | TM3243SV05                                 |
| DOLMATRA    | 2005-2886          | TM3243GT05                                 |
| DOLMATRA    | 8376-05            | TM3243HN05                                 |
| DOLMATRA    | 715045             | TM3243MX05                                 |
| DOLMATRA    | 2005-01479         | TM3243NI00                                 |
| DOLMATRA    | 142604-01          | TM3243PA05                                 |
| DOLMATRA    | 240965             | TM3243PE05                                 |
| DOLMATRA    | 2005-008060        | TM3243VE05                                 |
| DOLOMAS     | 123.187            | TM8235CL00                                 |
| DOMATRA     | 827784112          | TM3244BR05                                 |
| DOMATRA     | 684.320            | TM3244CL00                                 |
| DOMATRA     | 2012-0335          | TM3244CU00                                 |
| DOMATRA     | 05045578           | TM3244CO05                                 |
| DOMATRA     | 2005-0003212       | TM3244CR05                                 |
| DOMATRA     | 2005-27133         | TM3244DO05                                 |
| DOMATRA     | 156788             | TM3244EC05                                 |
| DOMATRA     | E-48581-2005       | TM3244SV05                                 |
| DOMATRA     | 2005-02887         | TM3244GT05                                 |
| DOMATRA     | 11.290-2005        | TM3244HN05                                 |

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| DOMATRA          | 0720221            | TM3244MX05                                 |
| DOMATRA          | 2005-01478         | TM3244NI00                                 |
| DOMATRA          | 142548-01          | TM3244PA05                                 |
| DOMATRA          | 240966             | TM3244PE05                                 |
| DOMATRA          | 2005-008061        | TM3244VE05                                 |
| DOMATRA          | 397596             | TM3792UY00                                 |
| DOMATRA PLUS     | 2006-0005045       | TM3792CR05                                 |
| DOMATRA PLUS     | 410800             | TM3792UY01                                 |
| DOXAMERCK        | 98/18607           | TM8390TR00                                 |
| DOXAMERCK        | 398 71 415.0       | TM8390DE00                                 |
| DRAGIPOL         | 810109050          | TM8434BR01                                 |
| DUOCARGIC        | 113869670          | TM24112FR00                                |
| DUOPRIDE         | 2006-0000939       | TM3803CR05                                 |
| DUOPRIDE         | 2006-7157          | TM3803DO05                                 |
| DUOPRIDE         | E-55486-06         | TM3803SV05                                 |
| DUOPRIDE         | 2006-00681         | TM3803GT05                                 |
| DUOPRIDE         | 2006-00342         | TM3803NI00                                 |
| DUSODRIL-LOGO    | 302 02 510.3       | TM2494DE00                                 |
| EFIBAXA          | 495/2016           | TM25618GH00                                |
| EFIBAXA          | 56096              | TM25618UG00                                |
| EFIBAXA          | TZ/T/2016/664      | TM25618TZ00                                |
| EFIBAXA          | 55128              | TM25618SD00                                |
| EFIBAXA          | F/T/2016/2357      | TM25618NG00                                |
| EFIBAXA          | 308572016          | TM25618MZ00                                |
| EFIBAXA          | 91416              | TM25618KE00                                |
| EFIBAXA          | 3201600773         | TM25618OA00                                |
| EFIBAXA          | FTM/7208/2016      | TM25618ET00                                |
| EFIBAXA          | 48550              | TM25618AO00                                |
| ELEMPRYS         | 910691312          | TM25560BR00                                |
| ELEMPRYS         | 55195              | TM25560UG00                                |
| ELEMPRYS         | 2017052164         | TM25560MY00                                |
| ELEMPRYS         | [not available]    | TM25560SV00                                |
| ELEMPRYS         | [not available]    | TM25560PA00                                |
| ELEMPRYS         | [not available]    | TM25560HN00                                |
| ELEMPRYS         | [not available]    | TM25560NI00                                |
| ELEMPRYS         | [not available]    | TM25560CR00                                |
| ELEMPRYS         | [not available]    | TM25560GT00                                |
| ELEMPRYS         | [not available]    | TM25560VN00                                |
| ELEMPRYS         | [not available]    | TM25560TH00                                |
| ELEMPRYS         | 40201702319Y       | TM25560SG00                                |
| ELEMPRYS         | [not available]    | TM25560PE00                                |
| ELEMPRYS         | [not available]    | TM25560EC00                                |
| ELEMPRYS         | [not available]    | TM25560CO00                                |
| ELEMPRYS         | [not available]    | TM25560CL00                                |
| ELEMPRYS         | 4-2016-012401      | TM25560PH00                                |
| ELEMPRYS         | TZ/T/2016/1256     | TM25560TZ00                                |
| ELEMPRYS         | 54997              | TM25560SD00                                |
| ELEMPRYS         | [not available]    | TM25560NG00                                |
| ELEMPRYS         | 30762/2016         | TM25560MZ00                                |
| ELEMPRYS         | 91148              | TM25560KE00                                |
| ELEMPRYS         | 401/2016           | TM25560GH00                                |
| ELEMPRYS         | 48.314             | TM25560AO00                                |
| ELEMPRYS         | 1717758            | TM25560MX00                                |
| ELMETRIN         | 332586             | TM2841MX05                                 |
| ELMETRIN         | 062091             | TM2841PE05                                 |
| ELMETRIN         | 98024737           | TM2841DO05                                 |
| ELUFLO           | 149276             | TM2874IL05                                 |
| ELUFLO           | 171267             | TM2874PK05                                 |
| EMADINE          | 628838             | TM2930IN00                                 |
| EMADINE          | 1932283            | TM9081IN00                                 |
| EMADINE          | BT/T/2015/8539     | TM2930BT05                                 |
| EMADINE          | 59709              | TM2930NP05                                 |
| EMBICOR          | 1315049            | TM2945GB00                                 |
| EMBRACING CARERS | 1374055            | TM26277WO00                                |
| EMBRACING CARERS | 302017215729       | TM26277DE00                                |
| EMBRACING        | 1866960            | TM26277CA00                                |

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| CARERS                |                    |                                            |
| EMBRACING CARERS-LOGO | 017242918          | TM26604EU00                                |
| EMBRACING CARERS-LOGO | [not available]    | TM26604WO00                                |
| EMBRACING CARERS-LOGO | 302017023596       | TM26604DE00                                |
| EMCONCOR              | 492458             | TM2971WO00                                 |
| EMCONCOR              | 492458             | TM2971WO00                                 |
| EMCONCOR              | 003280237          | TM2971EU00                                 |
| EMCONCOR              | 850735             | TM2971NO00                                 |
| EMCONGEST             | 716084             | TM2981WO00                                 |
| EMCONGEST             | 84752              | TM2981PE05                                 |
| EMCONGEST             | 376786             | TM2981MX05                                 |
| EMCONGEST             | 98/763165          | TM2981FR00                                 |
| EMCONGEST             | 398 71 420.7       | TM2981DE00                                 |
| EMCONGEST             | 928364             | TM2981BX00                                 |
| EMCOR                 | 2001408            | TM2986GB00                                 |
| EMCOR                 | 2861/86            | TM2986IE00                                 |
| EMCOR                 | 104906             | TM2986RU00                                 |
| EMCOR                 | 696387             | TM2986BX00                                 |
| EMCOR (KYRILLISCH)    | 104908             | TM2990RU00                                 |
| EMCORETIC             | 587046             | TM2993WO00                                 |
| EMCORETIC             | 1315050            | TM2993GB00                                 |
| EMCORETIC             | 7462/90            | TM2993IE00                                 |
| EMCORETIC             | 757130             | TM2993BX00                                 |
| EMCORIL               | 1501697            | TM2995GB00                                 |
| EMDAR                 | 271139             | TM3057MX05                                 |
| EMFLAM                | 467598             | TM3160IN00                                 |
| EMFLAM                | 6210               | TM3160AF00                                 |
| EMFLAM                | 56046              | TM3160NP00                                 |
| EMFLEX                | 1326228            | TM3169GB00                                 |
| EMFLEX                | 6093/89            | TM3169IE00                                 |
| EMILIP                | 916343             | TM3195IN00                                 |
| EMLARTA               | 93447              | TM26090KE00                                |
| EMLARTA               | F/T/2016/6621      | TM26090NG00                                |
| EMLARTA PLUS          | 50071              | TM26102AO00                                |
| EMLARTA PLUS          | FTM/7721/2016      | TM26102ET00                                |
| EMLARTA PLUS          | 1467/2016          | TM26102GH00                                |
| EMLARTA PLUS          | 55901              | TM26102SD00                                |
| EMLARTA PLUS          | F/T/2016/9360      | TM26102NG00                                |
| EMPAX                 | 089415             | TM3214PA05                                 |
| EMPAX                 | 6449/97            | TM3214HN05                                 |
| EMPAX                 | 830-S              | TM3214HT05                                 |
| EMPAX                 | 29299              | TM3214DO05                                 |
| EMPAX                 | 78929              | TM3214EC05                                 |
| EMPAX                 | 97-032559          | TM3214CO05                                 |
| EMPAX                 | 53                 | TM3214CU05                                 |
| EMPAX                 | 5062-97            | TM3214SV05                                 |
| EMPAX                 | 1997-0005070       | TM3214CR05                                 |
| EMPAX                 | 9705875            | TM3214GT05                                 |
| EMPAX                 | 2005-01961         | TM3214NI01                                 |
| EMPAX                 | 11746-97           | TM3214VE05                                 |
| EMPAX                 | 040916             | TM3214PE05                                 |
| EMPAX                 | 298251             | TM3214MX05                                 |
| ENBIATA               | 308562016          | TM25617MZ00                                |
| ENBIATA               | 91417              | TM25617KE00                                |
| ENBIATA               | 3201600774         | TM25617OA00                                |
| ENBIATA               | FTM/7207/2016      | TM25617ET00                                |
| ENBIATA               | 48552              | TM25617AO00                                |
| ENBIATA               | 501/2016           | TM25617GH00                                |
| ENBIATA               | 56097              | TM25617UG00                                |
| ENBIATA               | TZ/T/2016/665      | TM25617TZ00                                |
| ENBIATA               | 55127              | TM25617SD00                                |
| ENBIATA               | F/T/2016/2356      | TM25617NG00                                |
| ENCEFABOL             | 389233             | TM3277UY00                                 |
| ENCEFABOL             | 2008-06533         | TM3277GT05                                 |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

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| ENCEFABOL               | 5642.08            | TM3277BZ05                                 |
| ENCEFABOL               | 515731             | TM3277CL00                                 |
| ENCEFABOL               | 92358925           | TM3277CO05                                 |
| ENCEFABOL               | 1900-2638705       | TM3277CR05                                 |
| ENCEFABOL               | [not available]    | TM3277DO05                                 |
| ENCEFABOL               | 504                | TM3277EC05                                 |
| ENCEFABOL               | E-10514-62         | TM3277SV05                                 |
| ENCEFABOL               | [not available]    | TM3277HT05                                 |
| ENCEFABOL               | 1910-012421        | TM3277NI00                                 |
| ENCEFABOL               | 163189             | TM3277PE05                                 |
| ENCEFABOL               | 12.454-2002        | TM3277HN05                                 |
| ENCEFABOL               | 123280-01          | TM3277PA05                                 |
| ENCEFABOL-MERCK         | 612695             | TM3278CL00                                 |
| ENCEPHABOL              | 318052             | TM3286WO00                                 |
| ENCEPHABOL              | 003296373          | TM3286EU00                                 |
| ENCEPHABOL              | AM039224           | TM3286GE00                                 |
| ENCEPHABOL              | 509079             | TM3286IN00                                 |
| ENCEPHABOL              | 13593              | TM3286YE05                                 |
| ENCEPHABOL              | 19456              | TM3286OM05                                 |
| ENCEPHABOL              | 7361               | TM3286W505                                 |
| ENCEPHABOL              | 6463               | TM3286GZ05                                 |
| ENCEPHABOL              | 97/00433           | TM3286LS00                                 |
| ENCEPHABOL              | 63537              | TM3286IL05                                 |
| ENCEPHABOL              | 33687              | TM3286KE00                                 |
| ENCEPHABOL              | 42334/82           | TM3286NG05                                 |
| ENCEPHABOL              | M19156/5WZ         | TM3286DE00                                 |
| ENCEPHABOL              | 194257             | TM3286AU00                                 |
| ENCEPHABOL              | 8850               | TM3286CY05                                 |
| ENCEPHABOL              | 7167/94            | TM3286HN05                                 |
| ENCEPHABOL              | 42/73              | TM3286HK00                                 |
| ENCEPHABOL              | 253764             | TM3286IN01                                 |
| ENCEPHABOL              | R00-2011-001263    | TM3286ID05                                 |
| ENCEPHABOL              | 10111              | TM3286IQ00                                 |
| ENCEPHABOL              | 1504/64            | TM3286IE00                                 |
| ENCEPHABOL              | 6259               | TM3286JO05                                 |
| ENCEPHABOL              | [not available]    | TM3286LB00                                 |
| ENCEPHABOL              | 58492              | TM3286MY05                                 |
| ENCEPHABOL              | 111385             | TM3286MX01                                 |
| ENCEPHABOL              | AM 699/62          | TM3286AT00                                 |
| ENCEPHABOL              | 43612              | TM3286PK05                                 |
| ENCEPHABOL              | 17955              | TM3286PA05                                 |
| ENCEPHABOL              | 23976              | TM3286PH00                                 |
| ENCEPHABOL              | 8373/4             | TM3286SA05                                 |
| ENCEPHABOL              | 14310              | TM3286SD05                                 |
| ENCEPHABOL              | 64/3926            | TM3286ZA05                                 |
| ENCEPHABOL              | 75/0322            | TM3286NA05                                 |
| ENCEPHABOL              | 14772              | TM3286SY00                                 |
| ENCEPHABOL              | 231679             | TM3286TH05                                 |
| ENCEPHABOL              | 9718               | TM3286TR00                                 |
| ENCEPHABOL              | 62593              | TM3286RU00                                 |
| ENCEPHABOL              | 43612              | TM3286BD05                                 |
| ENCEPHABOL              | [not available]    | TM3286CN05                                 |
| ENCEPHABOL              | 64/3926            | TM3286BW00                                 |
| ENCEPHABOL              | Z-99557            | TM3286PL00                                 |
| ENCEPHABOL              | 44056              | TM3286KW05                                 |
| ENCEPHABOL              | 32,146             | TM8910BS00                                 |
| ENCEPHABOL              | 6357               | TM9268KO00                                 |
| ENCEPHABOL              | 4/2250/2015        | TM3286MM00                                 |
| ENCEPHABOL              | 59708              | TM3286NP05                                 |
| ENCEPHABOL              | 19999              | TM3286QA05                                 |
| ENCEPHABOL              | 31201              | TM3286AE05                                 |
| ENCEPHABOL              | 682668             | TM3294WO00                                 |
| ENCEPHABOL (KYRILLISCH) |                    |                                            |
| ENCEPHABOL (KYRILLISCH) | 682668             | TM3294WO00                                 |
| ENCEPHABOL (KYRILLISCH) | AM039255           | TM3294GE00                                 |
| ENCEPHABOL              | 90169              | TM3294RU00                                 |

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| (KYRILLISCH)            |                           |                                            |
| ENCEPHABOL (KOREAN)     | 17321/87                  | TM3289KR00                                 |
| ENCEPHABOL (UKRAINISCH) | 2017 01718                | TM3286UA00                                 |
| ENCEPHABOL (URDU)       | 111051                    | TM3558PK05                                 |
| ENCEPHABOL SUSPENSION   | 509078                    | TM4533IN00                                 |
| ENDROX                  | 819905992                 | TM3347BR05                                 |
| ENZYPRIDE               | 1987-05716                | TM3374GT05                                 |
| ENZYPRIDE               | 1900-6993005              | TM3374CR05                                 |
| ENZYPRIDE               | 003961                    | TM3374NI00                                 |
| ENZYPRIDE               | 047587                    | TM3374PA05                                 |
| ENZYPRIDE               | 97402                     | TM3374BZ05                                 |
| ENZYPRIDE               | 33473                     | TM3374TT00                                 |
| ENZYPRIDE               | 42841                     | TM3374JM00                                 |
| ENZYPRIDE               | 81/17426                  | TM3374BB05                                 |
| ENZYPRIDE               | 25,396                    | TM3374BS05                                 |
| ENZYPRIDE               | D-200661                  | TM3374CW00                                 |
| ENZYPRIDE               | [not available]           | TM3374DO05                                 |
| ENZYPRIDE               | 001980                    | TM3374SV05                                 |
| ENZYPRIDE               | [not available]           | TM3374HT05                                 |
| ENZYPRIDE               | 1724/88                   | TM3374HN05                                 |
| ENZYPRIDE               | IEPI-2015-7098            | TM25182EC00                                |
| ENZYPRIDE               | 15 042402                 | TM25182CO05                                |
| ENZYPRIDE               | 030902.31                 | TM3374AW00                                 |
| ENZYPRIDE               | 981                       | TM3374BQ00                                 |
| ENZYPRIDE               | D-200661                  | TM3374SX00                                 |
| ENZYPRIDE               | 1439/97                   | TM3374CU05                                 |
| EP PATCH                | 302 03 391.2              | TM3375DE00                                 |
| ERBITEST                | 302015039640              | TM25380DE00                                |
| ERBI-TEST               | 302015039641              | TM25381DE00                                |
| ERBITUX                 | 001886134                 | TM7488EU00                                 |
| ERBITUX                 | 883691                    | TM7488WO00                                 |
| ERBITUX                 | 33851                     | TM7488KZ00                                 |
| ERBITUX                 | 3200701851                | TM7488OA00                                 |
| ERBITUX                 | Z 2001/1018               | TM7488ME05                                 |
| ERBITUX                 | 20080634.3                | TM7488KG00                                 |
| ERBITUX                 | 1363/R                    | TM7488KO00                                 |
| ERBITUX                 | 880981                    | TM7488AU00                                 |
| ERBITUX                 | 640628                    | TM7488NZ00                                 |
| ERBITUX                 | 494315                    | TM7488MX05                                 |
| ERBITUX                 | 540397                    | TM7488CL00                                 |
| ERBITUX                 | 130728-2001 / neu: 455626 | TM7488PE05                                 |
| ERBITUX                 | 2000-108501               | TM7488JP00                                 |
| ERBITUX                 | 023027                    | TM7488MC00                                 |
| ERBITUX                 | 78459                     | TM7488MA00                                 |
| ERBITUX                 | 20153                     | TM7488TA01                                 |
| ERBITUX                 | 8007145                   | TM7488IR00                                 |
| ERBITUX                 | 462331                    | TM7488TH05                                 |
| ERBITUX                 | 2001155803                | TM7488CN05                                 |
| ERBITUX                 | 2001/11230                | TM7488ZA05                                 |
| ERBITUX                 | Z 1018/01                 | TM7488RS00                                 |
| ERBITUX                 | 150396                    | TM7488IL05                                 |
| ERBITUX                 | 172252                    | TM7488PK05                                 |
| ERBITUX                 | 72923                     | TM7488SA05                                 |
| ERBITUX                 | 63871                     | TM7488JO05                                 |
| ERBITUX                 | 62829                     | TM7488AE05                                 |
| ERBITUX                 | Z20040232A                | TM7488HR00                                 |
| ERBITUX                 | 97185                     | TM7488LB00                                 |
| ERBITUX                 | 45040                     | TM7488JM00                                 |
| ERBITUX                 | 41150                     | TM7488BM05                                 |
| ERBITUX                 | 81/19511                  | TM7488BB05                                 |
| ERBITUX                 | 27,871                    | TM7488BS05                                 |
| ERBITUX                 | IM-040618.24              | TM7488AW00                                 |
| ERBITUX                 | 742                       | TM7488IS00                                 |

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|-----------|----------------------|--------------------------------------------|
| ERBITUX   | D00-2004-10741-10820 | TM7488ID05                                 |
| ERBITUX   | 137489               | TM7488PA05                                 |
| ERBITUX   | 2004-000992          | TM7488NI00                                 |
| ERBITUX   | 8469-04              | TM7488HN05                                 |
| ERBITUX   | 2004-02137           | TM7488GT05                                 |
| ERBITUX   | E-61529-2006         | TM7488SV05                                 |
| ERBITUX   | 2004-0198            | TM7488CU05                                 |
| ERBITUX   | 2004-28104           | TM7488DO05                                 |
| ERBITUX   | 04003488             | TM7488CR05                                 |
| ERBITUX   | 63656                | TM7488KW05                                 |
| ERBITUX   | 7965                 | TM7488SY00                                 |
| ERBITUX   | 41542                | TM7488BH05                                 |
| ERBITUX   | 30170                | TM7488YE05                                 |
| ERBITUX   | 32973                | TM7488OM05                                 |
| ERBITUX   | 3272                 | TM7488LY05                                 |
| ERBITUX   | 0511642              | TM7488DZ01                                 |
| ERBITUX   | 2005-03178           | TM7488BO0501                               |
| ERBITUX   | 5004126              | TM7488CN0501                               |
| ERBITUX   | 23512-05             | TM7488HN0501                               |
| ERBITUX   | 99469                | TM7488MA01                                 |
| ERBITUX   | 602427               | TM7488TH0501                               |
| ERBITUX   | 2005 10766           | TM7488UA01                                 |
| ERBITUX   | 2005/038371          | TM7488TR01                                 |
| ERBITUX   | 4-2004-002540        | TM7488PH01                                 |
| ERBITUX   | 6398.09              | TM7488BZ00                                 |
| ERBITUX   | 40,601               | TM7488BN00                                 |
| ERBITUX   | 746/2010             | TM7488MM00                                 |
| ERBITUX   | N/45273              | TM7488MO00                                 |
| ERBITUX   | E092128              | TM7488TN00                                 |
| ERBITUX   | 55182                | TM7488IQ00                                 |
| ERBITUX   | 20100070             | TM7488AM00                                 |
| ERBITUX   | 0071                 | TM7488AZ00                                 |
| ERBITUX   | 10010226             | TM7488TJ00                                 |
| ERBITUX   | MGU 2010 0155        | TM7488UZ00                                 |
| ERBITUX   | 56742/03             | TM7488GE00                                 |
| ERBITUX   | 2010.0014            | TM7488TM00                                 |
| ERBITUX   | Z-2010/53            | TM7488ME00                                 |
| ERBITUX   | 149164               | TM7488BD00                                 |
| ERBITUX   | 167522               | TM7488LK00                                 |
| ERBITUX   | 1433                 | TM7488MV00                                 |
| ERBITUX   | 825-H                | TM7488HT0501                               |
| ERBITUX   | 20140181             | TM7488TM01                                 |
| ERBITUX   | 59830                | TM7488UG00                                 |
| ERBITUX   | TZ/T/2017/1300       | TM7488TZ00                                 |
| ERBITUX   | RW/T/2017/564        | TM7488RW00                                 |
| ERBITUX   | MU/M.2017/25419      | TM7488MU00                                 |
| ERBITUX   | [not available]      | TM7488K400                                 |
| ERBITUX   | 8243/BI              | TM7488BI00                                 |
| ERBITUX   | ZN/T/2017/427        | TM7488Z100                                 |
| ERBITUX   | ZW/T/2017/733        | TM7488ZW00                                 |
| ERBITUX   | 11372017             | TM7488ZM00                                 |
| ERBITUX   | BW/M/2017/00655      | TM7488BW00                                 |
| ERBITUX   | 42549                | TM7488NP05                                 |
| ERBITUX   | 1188                 | TM7488BQ00                                 |
| ERBITUX   | D400115              | TM7488SX00                                 |
| ERBITUX   | 40483                | TM7488AO05                                 |
| ERBITUX   | 024351               | TM7488MD00                                 |
| ERBITUX   | F/TM/0/2013/11729    | TM7488NG05                                 |
| ERBITUX   | 34961                | TM7488TT00                                 |
| ERBITUX   | D400115              | TM7488CW00                                 |
| ERBITUX   | 05374/2001           | TM7488CH00                                 |
| ERBITUX   | 200108094            | TM7488NO00                                 |
| ERBITUX   | 2001720059           | TM7488RU00                                 |
| ERBITUX   | 2001 10471           | TM7488HK00                                 |
| ERBITUX   | 2001-016136          | TM7488VE05                                 |
| ERBITUX   | 01054601             | TM7488CO05                                 |
| ERBITUX   | 2340618              | TM7488AR05                                 |

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| ERBITUX                              | 823.779.025        | TM7488BR05                                 |
| ERBITUX                              | 115661             | TM7488EC05                                 |
| ERBITUX                              | 15788              | TM7488PY05                                 |
| ERBITUX                              | 332400             | TM7488UY00                                 |
| ERBITUX                              | 2001/02352         | TM7488BO05                                 |
| ERBITUX                              | 2001/13062         | TM7488TR00                                 |
| ERBITUX                              | T01/10033Z         | TM7488SG05                                 |
| ERBITUX                              | 1022813            | TM7488IN00                                 |
| ERBITUX                              | 66049              | TM7488CY05                                 |
| ERBITUX                              | 143884             | TM7488EG05                                 |
| ERBITUX                              | 90026767           | TM7488TW00                                 |
| ERBITUX                              | 2001-0028452       | TM7488KR00                                 |
| ERBITUX                              | 4-2001-03912       | TM7488VN00                                 |
| ERBITUX                              | 011427             | TM7488DZ00                                 |
| ERBITUX                              | 2001-08466         | TM7488MY05                                 |
| ERBITUX                              | 2001074101         | TM7488UA00                                 |
| ERBITUX                              | Z-2001/745         | TM7488MK00                                 |
| ERBITUX                              | BAZ015328A         | TM7488BA00                                 |
| ERBITUX (ARABIC+LATIN)               | 32233              | TM1723QA05                                 |
| ERBITUX (CHINESE 14)                 | 4508505            | TM2999CN05                                 |
| ERBITUX (CHINESE 14)-LOGO            | 5144704            | TM3619CN05                                 |
| ERBITUX (CHINESE 14+ENGLISH)-LOGO 1  | 5144701            | TM3616CN05                                 |
| ERBITUX (CHINESE 14+ENGLISH)-LOGO 2  | 5144702            | TM3617CN05                                 |
| ERBITUX (CHINESE 14+ENGLISH)-LOGO 3  | 5144703            | TM3618CN05                                 |
| ERBITUX (CHINESE 6)                  | 093035804          | TM1875TW00                                 |
| ERBITUX (CYRILLIC)                   | 20080579.3         | TM3929KG00                                 |
| ERBITUX (CYRILLIC)                   | 20100071           | TM3929AM00                                 |
| ERBITUX (CYRILLIC)                   | 0072               | TM3929AZ00                                 |
| ERBITUX (CYRILLIC)                   | 10010227           | TM3929TJ00                                 |
| ERBITUX (CYRILLIC)                   | MGU 2010 0156      | TM3929UZ00                                 |
| ERBITUX (CYRILLIC)                   | 56743/03           | TM3929GE00                                 |
| ERBITUX (CYRILLIC)                   | 2010.0015          | TM3929TM00                                 |
| ERBITUX (CYRILLIC)                   | 20130671.3         | TM3929KG01                                 |
| ERBITUX (CYRILLIC)                   | 20140182           | TM3929TM01                                 |
| ERBITUX (CYRILLIC)                   | 2014730975         | TM3929JU01                                 |
| ERBITUX (CYRILLIC)                   | 024348             | TM3929MD00                                 |
| ERBITUX (CYRILLIC)                   | 20064099           | TM3929BY00                                 |
| ERBITUX (CYRILLIC)                   | 37226              | TM3929KZ00                                 |
| ERBITUX (CYRILLIC)                   | 2006735978         | TM3929RU00                                 |
| ERBITUX (CYRILLIC)                   | m 2006 19536       | TM3929UA00                                 |
| ERBITUX (KATA1)                      | 2008-14935         | TM1853JP00                                 |
| ERBITUX (KATA2)                      | 2008-14941         | TM1854JP00                                 |
| ERBITUX (KATA2)                      | 2004-72633         | TM1854JP01                                 |
| ERBITUX (KATA3)                      | 2008-14936         | TM1855JP00                                 |
| ERBITUX (KATA4)                      | 2008-14942         | TM1857JP00                                 |
| ERBITUX (KOREAN)                     | 40-2008-0055633    | TM4788KR00                                 |
| ERBITUX (THAI)                       | 708032             | TM4698TH05                                 |
| ERBITUX CETUXIMAB-LOGO (old version) | 003054095          | TM7561EU00                                 |
| ERBITUX CETUXIMAB-LOGO (old version) | 2003-16513         | TM7561JP00                                 |
| ERBITUX-LOGO 2                       | 2003-105292        | TM7562JP00                                 |
| ERBITUX-LOGO 3                       | 960714             | TM3931WO00                                 |
| ERBITUX-LOGO 3                       | 960714             | TM3931WO00                                 |
| ERBITUX-LOGO 3                       | 063634             | TM3931DZ00                                 |
| ERBITUX-LOGO 3                       | 195860             | TM3931EG05                                 |
| ERBITUX-LOGO 3                       | 761441             | TM3931NZ00                                 |
| ERBITUX-LOGO 3                       | D-700008           | TM3931CW00                                 |
| ERBITUX-LOGO 3                       | 2006/31672         | TM3931ZA05                                 |
| ERBITUX-LOGO 3                       | 2721118            | TM3931AR05                                 |



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| ERBITUX-LOGO 3           | 828927260          | TM3931BR05                                 |
| ERBITUX-LOGO 3           | 756423             | TM3931CL00                                 |
| ERBITUX-LOGO 3           | 06 130353          | TM3931CO05                                 |
| ERBITUX-LOGO 3           | 06012018           | TM3931CR05                                 |
| ERBITUX-LOGO 3           | 2006-116609        | TM3931DO05                                 |
| ERBITUX-LOGO 3           | 179818             | TM3931EC05                                 |
| ERBITUX-LOGO 3           | E-63671-2006       | TM3931SV05                                 |
| ERBITUX-LOGO 3           | 2006-10789         | TM3931GT05                                 |
| ERBITUX-LOGO 3           | 1387-B             | TM3931HT05                                 |
| ERBITUX-LOGO 3           | 42.497-2006        | TM3931HN05                                 |
| ERBITUX-LOGO 3           | 827648             | TM3931MX05                                 |
| ERBITUX-LOGO 3           | 2007-02052         | TM3931NI00                                 |
| ERBITUX-LOGO 3           | 161777             | TM3931PA05                                 |
| ERBITUX-LOGO 3           | 649069             | TM3931TH05                                 |
| ERBITUX-LOGO 3           | 89021              | TM3931AE05                                 |
| ERBITUX-LOGO 3           | 30 2008 015 041.6  | TM3931DE00                                 |
| ERBITUX-LOGO 3           | 082567             | TM3931DZ01                                 |
| ERBITUX-LOGO 3           | 55627              | TM9023IQ00                                 |
| ERBITUX-LOGO 3           | 3201303658         | TM3931OA00                                 |
| ERBITUX-LOGO 3           | 39787              | TM3931PY05                                 |
| ERBITUX-LOGO 3           | 301281             | TM3931PE05                                 |
| ERBITUX-LOGO 3           | 382042             | TM3931UY00                                 |
| ERBITUX-LOGO 3           | 2007-000190        | TM3931VE05                                 |
| ERBITUX-LOGO 3           | 06005296           | TM3931BO05                                 |
| ERBITUX-LOGO 3           | 300786024          | TM3931HK00                                 |
| ERBITUX-LOGO 3           | 1518922            | TM3931IN00                                 |
| ERBITUX-LOGO 3           | D00-2007-002712    | TM3931ID05                                 |
| ERBITUX-LOGO 3           | 196393             | TM3931IL05                                 |
| ERBITUX-LOGO 3           | 89295              | TM3931JO05                                 |
| ERBITUX-LOGO 3           | 81986              | TM3931KW05                                 |
| ERBITUX-LOGO 3           | 109785             | TM3931LB00                                 |
| ERBITUX-LOGO 3           | 07000307           | TM3931MY05                                 |
| ERBITUX-LOGO 3           | 230746             | TM3931PK05                                 |
| ERBITUX-LOGO 3           | 42955              | TM3931OM05                                 |
| ERBITUX-LOGO 3           | 4-2007-006381      | TM3931PH00                                 |
| ERBITUX-LOGO 3           | 42583              | TM3931QA05                                 |
| ERBITUX-LOGO 3           | 112527             | TM3931SA05                                 |
| ERBITUX-LOGO 3           | 095064244          | TM3931TW00                                 |
| ERBITUX-LOGO 3           | 1144               | TM3931BQ00                                 |
| ERBITUX-LOGO 3           | D-700008           | TM3931SX00                                 |
| ERBITUX-LOGO 3           | 024352             | TM3931MD00                                 |
| ERBITUX-LOGO 3           | BAZ0610740A        | TM3931BA00                                 |
| ERBITUX-LOGO 3           | 47511              | TM3931TT00                                 |
| ERBITUX-LOGO 3           | 64214              | TM3931YE00                                 |
| ERBITUX-LOGO 3 (CHINESE) | 7298651            | TM4846CN05                                 |
| ERBITUX-LOGO 3 (URDU)    | 253091             | TM4617PK05                                 |
| ERBITUX-LOGO 4           | 5556428            | TM3930EU00                                 |
| ERBITUX-LOGO 4           | 2006-116195        | TM3930JP00                                 |
| ERBLOC                   | 33548              | TM7489KZ00                                 |
| ERBLOC                   | 3200701857         | TM7489OA00                                 |
| ERBLOC                   | Z-2001/1019        | TM7489ME05                                 |
| ERBLOC                   | 20080632.3         | TM7489KG00                                 |
| ERBLOC                   | 1362/R             | TM7489KO00                                 |
| ERBLOC                   | 15787              | TM7489PY05                                 |
| ERBLOC                   | 2001-02351         | TM7489BO05                                 |
| ERBLOC                   | 20155              | TM7489TA01                                 |
| ERBLOC                   | 8007143            | TM7489IR00                                 |
| ERBLOC                   | BAZ015326A         | TM7489BA00                                 |
| ERBLOC                   | 41149              | TM7489BM05                                 |
| ERBLOC                   | IM-040618.25       | TM7489AW00                                 |
| ERBLOC                   | 2004-0199          | TM7489CU05                                 |
| ERBLOC                   | 30172              | TM7489YE05                                 |
| ERBLOC                   | 2005-03175         | TM7489BO0501                               |
| ERBLOC                   | 5004123            | TM7489CN0501                               |
| ERBLOC                   | 55998              | TM9024IQ00                                 |
| ERBLOC                   | 20100072           | TM7489AM00                                 |

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| ERBLOC       | 0073               | TM7489AZ00                                 |
| ERBLOC       | 10010228           | TM7489TJ00                                 |
| ERBLOC       | MGU 2010 0154      | TM7489UZ00                                 |
| ERBLOC       | 56744/03           | TM7489GE00                                 |
| ERBLOC       | 2010.0016          | TM7489TM00                                 |
| ERBLOC       | 826-H              | TM7489HT0501                               |
| ERBLOC       | 2977               | TM7489BQ00                                 |
| ERBLOC       | D400116            | TM7489SX00                                 |
| ERBLOC       | 024349             | TM7489MD00                                 |
| ERBLOC       | 34960              | TM7489TT00                                 |
| ERBLOC       | D400116            | TM7489CW00                                 |
| ESCLEROVITAN | 700                | TM3469CU05                                 |
| ESCLEROVITAN | 3034/96            | TM3469SV05                                 |
| ESCLEROVITAN | 5730/96            | TM3469HN05                                 |
| ESCLEROVITAN | 1996/02323         | TM3469NI00                                 |
| ESCLEROVITAN | 004113             | TM3469GT05                                 |
| ESCLEROVITAN | 348.341            | TM3469BR05                                 |
| ESCLEROVITAN | 88.226             | TM3469CL00                                 |
| ESCLEROVITAN | 85804              | TM3469MX01                                 |
| ESCLEROVITAN | 319.061            | TM3469UY00                                 |
| ESCLEROVITAN | 165001             | TM3469CR05                                 |
| ESCLEROVITAN | 33478              | TM3469TT00                                 |
| ESCLEROVITAN | 42839              | TM3469JM00                                 |
| ESCLEROVITAN | 81/17427           | TM3469BB05                                 |
| ESCLEROVITAN | D-200665           | TM3469CW00                                 |
| ESCLEROVITAN | 3026368            | TM3469AR00                                 |
| ESCLEROVITAN | 030902.32          | TM3469AW00                                 |
| ESCLEROVITAN | 982                | TM3469BQ00                                 |
| ESCLEROVITAN | D-200665           | TM3469SX00                                 |
| ESTINARIN    | 78925              | TM3486EC05                                 |
| ESVIN        | 3180               | TM8915AF00                                 |
| EUTHYRAL     | 397944             | TM3507WO00                                 |
| EUTHYROX     | 398834             | TM3508WO00                                 |
| EUTHYROX     | 003280583          | TM3508EU00                                 |
| EUTHYROX     | 96702332           | TM3508RU00                                 |
| EUTHYROX     | 811,242            | TM3508CA00                                 |
| EUTHYROX     | 14780              | TM3508LY05                                 |
| EUTHYROX     | 097027085          | TM3508TW00                                 |
| EUTHYROX     | 395668             | TM3508UY00                                 |
| EUTHYROX     | 217644             | TM3508EG05                                 |
| EUTHYROX     | 60147              | TM3508CY05                                 |
| EUTHYROX     | 7359               | TM3508W505                                 |
| EUTHYROX     | 6465               | TM3508GZ05                                 |
| EUTHYROX     | 121815             | TM3508EC05                                 |
| EUTHYROX     | 814074235          | TM3508BR05                                 |
| EUTHYROX     | 84488              | TM3508PL00                                 |
| EUTHYROX     | M34897/5WZ         | TM3508DE00                                 |
| EUTHYROX     | 73-2377            | TM3508SE00                                 |
| EUTHYROX     | 4356/79            | TM3508DK00                                 |
| EUTHYROX     | 2884/79            | TM3508IE00                                 |
| EUTHYROX     | R00-02-05096.05099 | TM3508ID05                                 |
| EUTHYROX     | 95073411           | TM3508CN05                                 |
| EUTHYROX     | 2475315            | TM3508AR05                                 |
| EUTHYROX     | 55589              | TM3508PY05                                 |
| EUTHYROX     | 12130              | TM3508KH05                                 |
| EUTHYROX     | 843564             | TM3508IN00                                 |
| EUTHYROX     | T99/03188J         | TM3508SG05                                 |
| EUTHYROX     | 98768              | TM3508LB00                                 |
| EUTHYROX     | 99/01699           | TM3508MY05                                 |
| EUTHYROX     | 384762             | TM3508TH05                                 |
| EUTHYROX     | 4-1999-01481       | TM3508PH00                                 |
| EUTHYROX     | 7165               | TM3508LA00                                 |
| EUTHYROX     | 6354               | TM9269KO00                                 |
| EUTHYROX     | 242708             | TM3508IL00                                 |
| EUTHYROX     | 85864099           | TM9017US01                                 |
| EUTHYROX     | 139250140001005268 | TM3508IR00                                 |
| EUTHYROX     | BW/M/2013/00975    | TM3508BW00                                 |
| EUTHYROX     | 2013/1395          | TM3508NA00                                 |

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| EUTHYROX                         | 85021              | TM3508KE00                                 |
| EUTHYROX                         | 2013-84167         | TM3508JP00                                 |
| EUTHYROX                         | TM.60/M/13         | TM3508TZ00                                 |
| EUTHYROX                         | [not available]    | TM3508UG00                                 |
| EUTHYROX                         | 3201303486         | TM3508OA00                                 |
| EUTHYROX                         | F/T/2016/7767      | TM3508NG00                                 |
| EUTHYROX                         | 1823144            | TM3508AU00                                 |
| EUTHYROX                         | 87357377           | TM9017US02                                 |
| EUTHYROX                         | 77/912,501         | TM9017US00                                 |
| EUTHYROX                         | 52378              | TM3508JO05                                 |
| EUTHYROX                         | 2594-96            | TM3508VE05                                 |
| EUTHYROX                         | 2009/22973         | TM8965ZA00                                 |
| EUTHYROX (ARABIC)                | 242710             | TM3508IL02                                 |
| EUTHYROX (CHINESE SIMPLIFIED)    | 990002511          | TM3509CN05                                 |
| EUTHYROX (CHINESE TRADITIONAL 1) | 097027089          | TM4589TW00                                 |
| EUTHYROX (CHINESE TRADITIONAL 2) | 097027091          | TM4590TW00                                 |
| EUTHYROX (CHINESE TRADITIONAL 4) | 097027094          | TM4594TW00                                 |
| EUTHYROX (CHINESE TRADITIONAL 5) | 097027095          | TM4595TW00                                 |
| EUTHYROX (CYRILLIC)              | 683234             | TM3510WO00                                 |
| EUTHYROX (CYRILLIC)              | 97705804           | TM3510RU00                                 |
| EUTHYROX (CYRILLIC)              | 242707             | TM3508IL03                                 |
| EUTHYROX (HEBREW)                | 242709             | TM3508IL01                                 |
| EUTHYZOL                         | 4-2017-010578      | TM26402PH00                                |
| EUTIMOL                          | 47100              | TM3511CL00                                 |
| EUTIROKS                         | MGU 2014 1755      | TM25119UZ00                                |
| EUTIROX                          | 316618             | TM3515PT00                                 |
| EUTIROX                          | 2007-0217          | TM3515CU05                                 |
| EUTIROX                          | 2421643            | TM3515ES00                                 |
| EUTIROX                          | 19739C/81          | TM3515IT00                                 |
| EUTIROX                          | 168532             | TM3515PE05                                 |
| EUTIROX                          | 108188             | TM3515CR05                                 |
| EUTIROX                          | [not available]    | TM3515DO05                                 |
| EUTIROX                          | 001971             | TM3515SV05                                 |
| EUTIROX                          | 160787             | TM3515GT05                                 |
| EUTIROX                          | 000378             | TM3515HT05                                 |
| EUTIROX                          | 4611-87            | TM3515HN05                                 |
| EUTIROX                          | 047590             | TM3515PA05                                 |
| EUTIROX                          | 048292             | TM3515BO05                                 |
| EUTIROX                          | 40449              | TM3515EC05                                 |
| EUTIROX                          | 115221             | TM3515MX05                                 |
| EUTIROX                          | 87/10.628          | TM3515PY05                                 |
| EUTIROX                          | 48.512             | TM3515CL00                                 |
| EUTIROX                          | 25,467             | TM3515BS05                                 |
| EUTIROX                          | [not available]    | TM3515BB05                                 |
| EUTIROX                          | 43072              | TM3515JM00                                 |
| EUTIROX                          | D-200075           | TM3515CW00                                 |
| EUTIROX                          | 33472              | TM3515TT00                                 |
| EUTIROX                          | 998                | TM3515BQ00                                 |
| EUTIROX                          | D-200075           | TM3515SX00                                 |
| EUTIROX                          | 3195799            | TM3515AR00                                 |
| EUTIROX                          | 000783             | TM3515NI00                                 |
| EUTIROX                          | [not available]    | TM3515AO00                                 |
| EUTIROX                          | 92272765           | TM3515CO05                                 |
| EUTIROX                          | 23930/2013         | TM3515MZ00                                 |

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| EUTIROX          | 2004-002715        | TM3515VE05                                 |
| EUTIZ-LOGO 1     | 766680             | TM3626MX05                                 |
| EVICOR           | 757650             | TM3526IN00                                 |
| EVICOR           | 2200716            | TM3526IN01                                 |
| EVILIN           | 07061              | TM3539PY05                                 |
| EVILIN           | 823940144          | TM3539BR05                                 |
| EVILIN           | 212458             | TM3539CL00                                 |
| EVILIN           | 303.444            | TM3539UY00                                 |
| EXECOR           | 414161             | TM3559TH05                                 |
| EXFLAM           | 471455             | TM3565IN00                                 |
| EXFLAM           | 111617             | TM3565LK05                                 |
| EXIGENTIN        | 3187               | TM4540AF00                                 |
| FACIDA           | 30 2008 000 936.5  | TM4360DE00                                 |
| FASTSH           | [not available]    | TM25502CO00                                |
| FEM 7            | 647506             | TM3632WO00                                 |
| FEM 7            | 647506             | TM3632WO00                                 |
| FEM 7            | 2031639            | TM3632GB00                                 |
| FEM 7            | 395 33 450.0       | TM3632DE00                                 |
| FEM 7            | 96-08919           | TM3632MY05                                 |
| FEM 7            | 136914             | TM3632PK05                                 |
| FEM 7            | 8810               | TM3632BO05                                 |
| FEM 7            | 819439045          | TM3632BR05                                 |
| FEM 7            | 762288             | TM3632CL00                                 |
| FEM 7            | 96044843           | TM3632CO05                                 |
| FEM 7            | 71460              | TM3632EC05                                 |
| FEM 7            | 15.495-96          | TM3632VE05                                 |
| FEM 7            | 265876             | TM3632NZ00                                 |
| FEM 7            | 96/13336           | TM3632ZA05                                 |
| FEM 7            | 6538               | TM3632GT05                                 |
| FEM 7            | 0088/97            | TM3632SV05                                 |
| FEM 7            | 98-02488           | TM3632NI00                                 |
| FEM 7            | 970024065          | TM3632CN05                                 |
| FEM 7            | 6155               | TM3632TR00                                 |
| FEM 7            | 1000267            | TM3632CA00                                 |
| FEM 7            | 132516             | TM3632IL05                                 |
| FEM 7            | 40856              | TM3632MT05                                 |
| FEM 7            | 68736              | TM3632CY05                                 |
| FEM 7            | 9810073            | TM3632HK00                                 |
| FEM 7            | 303.442            | TM3632UY00                                 |
| FEM 7            | 2.966.807          | TM8968AR00                                 |
| FEM 7            | 26370-13           | TM3632HN00                                 |
| FEM 7            | 1996-7578          | TM3632CR05                                 |
| FEM 7 (CHINESE)  | 9800133140         | TM3636CN05                                 |
| FEM 7 (CYRILLIC) | 39828748.1         | TM3639DE00                                 |
| FEM 7 (CYRILLIC) | 2004729123         | TM3639RU00                                 |
| FEM 7 CONTI      | 842702             | TM1750WO00                                 |
| FEM 7 CONTI      | 842702             | TM1750WO00                                 |
| FEM 7 CONTI      | 304 41 789.0       | TM1750DE00                                 |
| FEM 7 DUAL       | 003362332          | TM7671EU00                                 |
| FEM 7 DUAL       | 825941814          | TM7671BR05                                 |
| FEM 7 EVO        | 003363017          | TM7670EU00                                 |
| FEM 7 EVO        | 838062             | TM7670WO00                                 |
| FEM 7 EVO        | 838062             | TM7670WO00                                 |
| FEM 7 EVO        | 010211951          | TM7670EU01                                 |
| FEM 7 EVO        | 825941806          | TM7670BR05                                 |
| FEM 7 EVO        | 2004-00018333      | TM7670CR05                                 |
| FEM 7 EVO        | 2004-21911         | TM7670DO05                                 |
| FEM 7 EVO        | E-39632/04         | TM7670SV05                                 |
| FEM 7 EVO        | 2004-02044         | TM7670GT05                                 |
| FEM 7 EVO        | 6134-2004          | TM7670HN05                                 |
| FEM 7 EVO        | 2004-001070        | TM7670NI00                                 |
| FEM 7 EVO        | 04027182           | TM7670CO05                                 |
| FEM 7 EVO        | 2005-002315        | TM7670VE05                                 |
| FEM 7 EVO        | 304 32 313.6       | TM7670DE00                                 |
| FEM 7 EVO        | 300302435          | TM7670HK00                                 |
| FEM 7 EVO        | 2687.04            | TM7670BZ05                                 |
| FEM 7 EVO        | 719991             | TM7670NZ00                                 |
| FEM 7 EVO        | 142778             | TM7670EC05                                 |

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| FEM 7 EVO           | 205726             | TM7670PE05                                 |
| FEM 7-LOGO          | 1005469            | TM4723WO00                                 |
| FEM 7-LOGO          | 302009001753.0     | TM4723DE00                                 |
| FEM 7-LOGO          | 830282521          | TM4723BR00                                 |
| FEM 7-LOGO          | 09047328           | TM4723CO00                                 |
| FEM 7-LOGO          | 863.799            | TM4723CL00                                 |
| FEM 7-LOGO          | 2.968.610          | TM8967AR00                                 |
| FEM SEVEN           | 2025318            | TM3647GB00                                 |
| FEM SEVEN           | 4259/95            | TM3647IE00                                 |
| FEM SEVEN           | 395 25 866.9       | TM3647DE00                                 |
| FEMINOVA            | 647654             | TM3766WO00                                 |
| FEMINOVA            | 265877             | TM3766NZ00                                 |
| FEMINOVA            | [not available]    | TM3766TT00                                 |
| FEMINOVA COMBI      | 145837             | TM3777GR00                                 |
| FEMITY              | 002499200          | TM3782EU00                                 |
| FEMITY              | 301 66 064.6       | TM3782DE00                                 |
| FEMSEPT             | 600733/95          | TM3783FR00                                 |
| FEMSEPT EVO         | 063422373          | TM3680FR00                                 |
| FEMSEPTCOMBI        | 99/807 530         | TM3787FR00                                 |
| FEMSEPTPLUS         | 013135440          | TM3791FR00                                 |
| FEMSETE             | 316996             | TM3797PT00                                 |
| FEMSETE EVO         | 400933             | TM3681PT00                                 |
| FEMSEVEN            | 663639             | TM3802WO00                                 |
| FEMSEVEN            | 003413374          | TM3802EU00                                 |
| FEMSEVEN            | 1303169            | TM3802CA00                                 |
| FEMSEVEN            | 962200             | TM3802NO00                                 |
| FEMSEVEN            | 0006362            | TM3802BO05                                 |
| FEMSEVEN            | 96038530           | TM3802CO05                                 |
| FEMSEVEN            | 69903              | TM3802EC05                                 |
| FEMSEVEN            | 1996-012959        | TM3802VE05                                 |
| FEMSEVEN            | [not available]    | TM3802DO05                                 |
| FEMSEVEN            | 7618/96            | TM3802HN05                                 |
| FEMSEVEN            | 819.414.808        | TM3802BR05                                 |
| FEMSEVEN            | 754805             | TM3802CL00                                 |
| FEMSEVEN            | 4895-99            | TM3802GT05                                 |
| FEMSEVEN            | 396 28 165.6       | TM3802DE00                                 |
| FEMSEVEN            | 96/11057           | TM3802ZA05                                 |
| FEMSEVEN            | 96-08918           | TM3802MY05                                 |
| FEMSEVEN            | 136913             | TM3802PK05                                 |
| FEMSEVEN            | 265875             | TM3802NZ00                                 |
| FEMSEVEN            | 5596/96            | TM3802SV05                                 |
| FEMSEVEN            | 5659/96/2055       | TM3802IE00                                 |
| FEMSEVEN            | 970024067          | TM3802CN05                                 |
| FEMSEVEN            | 98 10074           | TM3802HK00                                 |
| FEMSEVEN            | 5368               | TM3802TR00                                 |
| FEMSEVEN (CHINESE)  | 970024066          | TM3807CN05                                 |
| FEMSEVEN (CYRILLIC) | 39828751.1         | TM3814DE00                                 |
| FEMSEVEN (CYRILLIC) | 2004729122         | TM3814RU00                                 |
| FEMSIEBEN           | 396 18 893.1       | TM3826DE00                                 |
| FEMSIETE            | 2.966.808          | TM8969AR00                                 |
| FEXIBIA             | 92317              | TM26022KE00                                |
| FEXIBIA             | TZ/T/2016/1241     | TM26022TZ00                                |
| FEXIBIA             | 56711              | TM26022UG00                                |
| FIBROGINAC          | 15 251040          | TM23973CO00                                |
| FIBROGINAC          | 1669948            | TM23973MX00                                |
| FIBROGINAC          | E-147361/15        | TM23973SV00                                |
| FIBROGINAC          | [not available]    | TM23973HN00                                |
| FIBROGINAC          | 2015-004120        | TM23973NI00                                |
| FIBROGINAC          | 245371             | TM23973PA00                                |
| FIBROGINAC          | 469083             | TM23973UY00                                |
| FIBROGINAC          | 637731             | TM23973PE00                                |
| FIBROGINAC          | IEPI-2015-44241    | TM23973EC00                                |
| FIBROGINAC          | 2015-019934        | TM23973CR00                                |
| FIBROGINAC          | 1254876            | TM23973CL00                                |
| FIBROGINAC          | 4-2017-16511       | TM23973VN00                                |

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| FIBROGINAC               | 40201711237T       | TM23973SG00                                |
| FIBROGINAC               | 12301.15           | TM23973BZ00                                |
| FIBROGINAC               | [not available]    | TM23973VE00                                |
| FIXIME                   | 1130899            | TM3905WO00                                 |
| FIXIME                   | 97/0829            | TM3905NA05                                 |
| FIXIME                   | BW/M/97/00670      | TM3905BW00                                 |
| FIXIME                   | 93/1097            | TM3905ZA05                                 |
| FIXIME                   | 32807              | TM3905AO00                                 |
| FIXIME                   | 756/223            | TM3905BI00                                 |
| FIXIME                   | MU/M/12/15512      | TM3905MU00                                 |
| FIXIME                   | MW/TM/2012/00727   | TM3905MW00                                 |
| FIXIME                   | AP-1000918         | TM3905RW00                                 |
| FIXIME                   | TZ/T/2012/1017     | TM3905TZ00                                 |
| FIXIME                   | UG/T/2012/045835   | TM3905UG00                                 |
| FIXIME                   | ZN/T/2012/351      | TM3905Z100                                 |
| FIXIME                   | 920/12             | TM3905ZW00                                 |
| FIXIME                   | 133/2015           | TM3905SZ01                                 |
| FIXIME                   | 97/00459           | TM3905LS00                                 |
| FLAXIN                   | [not available]    | TM3926DO05                                 |
| FLAXIN                   | 819300900          | TM3926BR05                                 |
| FLEXOR                   | 824140966          | TM3964BR05                                 |
| FLOGAM                   | 51502              | TM3970EC05                                 |
| FLOGAN                   | 026413             | TM3975BR05                                 |
| FLOGOZAN                 | 1994-02971         | TM3979GT05                                 |
| FLOGOZAN                 | [not available]    | TM3979CR05                                 |
| FLOGOZAN                 | E-1469-95          | TM3979SV05                                 |
| FLOGOZAN                 | 1995/000565        | TM3979NI00                                 |
| FLOGOZAN                 | 75048              | TM3979PA05                                 |
| FLOGOZAN                 | 2007-5613          | TM3979CR0501                               |
| FLOGOZAN                 | 5286/94            | TM3979HN05                                 |
| FLOGOZAN                 | 2767               | TM3979DO05                                 |
| FLOGOZAN                 | IM-040618.23       | TM3979AW00                                 |
| FLOGOZAN                 | 45333              | TM3979JM00                                 |
| FLOGOZAN                 | D400272            | TM3979CW00                                 |
| FLOGOZAN                 | 35164              | TM3979TT00                                 |
| FLOGOZAN                 | 999                | TM3979BQ00                                 |
| FLOGOZAN                 | D400272            | TM3979SX00                                 |
| FLUCOTIC                 | 93451              | TM26096KE00                                |
| FLUCOTIC                 | F/T/2016/6708      | TM26096NG00                                |
| FLUCOTIC                 | TZ/T/2016/1951     | TM26096TZ00                                |
| FLUCOTIC                 | 57324              | TM26096UG00                                |
| FLUKIMEX                 | 1065018            | TM9242WO00                                 |
| FLUKIMEX                 | 302010059637.6/05  | TM9242DE00                                 |
| FORECORT                 | 860149             | TM8916WO00                                 |
| FORECORT                 | MI/2005/005620     | TM8809IT00                                 |
| FORTECORTIN              | 192760             | TM4156WO00                                 |
| FORTECORTIN              | 192760             | TM4156WO00                                 |
| FORTECORTIN              | 003280674          | TM4156EU00                                 |
| FORTECORTIN              | 830473             | TM4156MX05                                 |
| FORTECORTIN              | M9408/5WZ          | TM4156DE00                                 |
| FORTECORTIN              | R00-02-05097.05100 | TM4156ID05                                 |
| FORTECORTIN              | 36409              | TM4156JO05                                 |
| FORTECORTIN              | M3581793-3         | TM4156ES00                                 |
| FORTECORTIN (CYRILLIC)   | 683381             | TM4167WO00                                 |
| FORTECORTIN (KATAKANA 1) | 2007-042207        | TM4037JP00                                 |
| FORTECORTIN (KATAKANA 2) | 2007-042208        | TM4038JP00                                 |
| GABANEURIN               | 229886             | TM2957PE05                                 |
| GALENUS-LOGO             | 648789             | TM25371CL00                                |
| GAMANIL                  | 1183601            | TM4274GB00                                 |
| GAMANIL                  | 2003/00431         | TM4274IE00                                 |
| GASPERIA                 | 4-2016-504030      | TM26111PH00                                |
| GASPERIA                 | 3410231            | TM26111IN00                                |
| GASPERIA                 | 40201706839W       | TM26111SG00                                |
| GASPERIA                 | 4-2017-09721       | TM26111VN00                                |
| GEMMA                    | 1528670            | TM3985IN00                                 |

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| GENTACORTIN           | D00-1904           | TM4335ID05                                 |
| GESTER                | 395669             | TM4394UY00                                 |
| GIABRI                | 003982634          | TM8707EU00                                 |
| GIABRI                | 833464             | TM8707WO00                                 |
| GIABRI                | 833464             | TM8707WO00                                 |
| GIABRI                | 2007-11823         | TM8707CR05                                 |
| GIABRI                | 2812167            | TM8707AR05                                 |
| GIABRI                | 196925             | TM8707EC05                                 |
| GIABRI                | 2008-000776        | TM8707NI00                                 |
| GIABRI                | 170388             | TM8707PA05                                 |
| GIABRI                | 2008-003338        | TM8707VE05                                 |
| GIABRI                | 27004              | TM8707BS05                                 |
| GIABRI                | 42174              | TM8707BH05                                 |
| GIABRI                | 2573.04            | TM8707BZ05                                 |
| GIABRI                | 41329              | TM8707BM05                                 |
| GIABRI                | 0008755            | TM8707BO05                                 |
| GIABRI                | 65816              | TM8707KW05                                 |
| GIABRI                | 99313              | TM8707LB00                                 |
| GIABRI                | 04011980           | TM8707MY05                                 |
| GIABRI                | 672007             | TM8707MX05                                 |
| GIABRI                | 716963             | TM8707NZ00                                 |
| GIABRI                | 2004-002569        | TM8707NI01                                 |
| GIABRI                | 34176              | TM8707OM05                                 |
| GIABRI                | 21894-2004         | TM8707PY05                                 |
| GIABRI                | 217688             | TM8707PE05                                 |
| GIABRI                | 2004-14049         | TM8707ZA05                                 |
| GIABRI                | 19367              | TM8707SR00                                 |
| GIABRI                | 93641              | TM8707SY00                                 |
| GIABRI                | 93089093           | TM8707TW00                                 |
| GIABRI                | 562920             | TM8707TH05                                 |
| GIABRI                | EE041743           | TM8707TN00                                 |
| GIABRI                | 63269              | TM8707AE05                                 |
| GIABRI                | 2004-013913        | TM8707VE0501                               |
| GIABRI                | 30229              | TM8707YE05                                 |
| GIABRI                | 826818242          | TM8707BR0501                               |
| GIABRI                | 656640             | TM8707CL00                                 |
| GIABRI                | 04081662           | TM8707CO05                                 |
| GIABRI                | 2004-67734         | TM8707DO05                                 |
| GIABRI                | 147904             | TM8707EC0501                               |
| GIABRI                | 2004-06023         | TM8707GT05                                 |
| GIABRI                | 20,358A            | TM8707GY05                                 |
| GIABRI                | not available      | TM8707HT05                                 |
| GIABRI                | 300268885          | TM8707HK00                                 |
| GIABRI                | 1302909            | TM8707IN00                                 |
| GIABRI                | 83051584           | TM8707IR00                                 |
| GIABRI                | 45635              | TM8707JM00                                 |
| GIABRI                | 76962              | TM8707JO05                                 |
| GIABRI (ARABIC+LATIN) | 33356              | TM1830QA05                                 |
| GIABRI-LOGO           | 909220352          | TM8707BR00                                 |
| GIABRI-LOGO 1         | 196925             | TM4535EC05                                 |
| GILDAL                | 391.239            | TM4400CL00                                 |
| GINECOMOVIL           | 119564             | TM4406PE42                                 |
| GLIFAZID XR           | 906547008          | TM24744BR00                                |
| GLIMET                | 69649              | TM4443EC05                                 |
| GLIMET                | 011936             | TM4443PE05                                 |
| GLIMET                | 7853-96            | TM4443VE05                                 |
| GLIMET                | [not available]    | TM4443DO05                                 |
| GLIMET                | [not available]    | TM4443HT05                                 |
| GLIMET                | 819304034          | TM4443BR05                                 |
| GLIMET                | 344104             | TM4443CL00                                 |
| GLIMET                | 1996-5898          | TM4443CR05                                 |
| GLIMET                | 1997-02162         | TM4443NI00                                 |
| GLIMET                | 82893              | TM4443PA05                                 |
| GLIOPTIM              | 4610               | TM4561AF05                                 |
| GLIOPTIM              | 200914             | TM4561LK05                                 |
| GLIPERID              | D00-2007-031614    | TM4247ID05                                 |
| GLISULIN              | 76986              | TM4478PA05                                 |

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| GLISULIN     | 2007-4959          | TM4478CR05                                 |
| GLISULIN     | 16                 | TM4478CU05                                 |
| GLISULIN     | E-3485-95          | TM4478SV05                                 |
| GLISULIN     | 98-6680            | TM4478GT05                                 |
| GLISULIN     | 1995-02017         | TM4478NI00                                 |
| GLISULIN     | [not available]    | TM4478BB05                                 |
| GLISULIN     | 25296              | TM4478BS05                                 |
| GLISULIN     | 09010              | TM4478CW00                                 |
| GLISULIN     | 5031/95            | TM4478HN05                                 |
| GLISULIN     | [not available]    | TM4478HT05                                 |
| GLISULIN     | 23425              | TM4478DO05                                 |
| GLISULIN     | 234631             | TM4478MX05                                 |
| GLISULIN     | 09010              | TM4478SX00                                 |
| GLISULIN     | 030902.33          | TM4478AW00                                 |
| GLUCOGLIM XR | 4-2015-501708      | TM25234PH00                                |
| GLUCOMERCK   | 0-152018-00        | TM4496CZ00                                 |
| GLUCOMERCK   | POZ 0473-2000      | TM4496SK00                                 |
| GLUCOMERCK   | 304 22 637.8       | TM4496DE00                                 |
| GLUCONEWS    | 136926             | TM4505PE16                                 |
| GLUCONOTAS   | 136927             | TM4506PE16                                 |
| GLUCORIDE XR | 40201711207Q       | TM25233SG00                                |
| GLUCORIDE XR | 4-2015-501709      | TM25233PH00                                |
| GLUCOZID XR  | 906546907          | TM24743BR00                                |
| GLUFORMIN    | 386362             | TM4514CL00                                 |
| GLYMINDA     | 1779331            | TM26060MX00                                |
| GLYMINDA     | 40201711208S       | TM26060SG00                                |
| GRELIVO      | 4-2017-09722       | TM26263VN00                                |
| GRELIVO      | 40201706843T       | TM26264SG00                                |
| HANPOXIA     | 012849022          | TM24796EU00                                |
| HANPOXIA     | 1211187            | TM24796WO00                                |
| HANPOXIA     | 1211187            | TM24796WO00                                |
| HANPOXIA     | 302013059739       | TM24796DE00                                |
| HANPOXIA     | 3324463            | TM24796AR05                                |
| HANPOXIA     | 38226              | TM24796BS05                                |
| HANPOXIA     | SM025472014        | TM24796BO05                                |
| HANPOXIA     | 45099              | TM24796BN00                                |
| HANPOXIA     | 1105481            | TM24796CL00                                |
| HANPOXIA     | 2014-003775        | TM24796CR05                                |
| HANPOXIA     | 2014-13035         | TM24796DO05                                |
| HANPOXIA     | IEPI2014203        | TM24796EC05                                |
| HANPOXIA     | E1352302014        | TM24796SV05                                |
| HANPOXIA     | 361285             | TM24796PK05                                |
| HANPOXIA     | 231889             | TM24796PA05                                |
| HANPOXIA     | 185612014          | TM24796PY05                                |
| HANPOXIA     | 573917             | TM24796PE05                                |
| HANPOXIA     | 88992              | TM24796QA05                                |
| HANPOXIA     | 1435013756         | TM24796SA05                                |
| HANPOXIA     | 201411153          | TM24796ZA05                                |
| HANPOXIA     | 103024611          | TM24796TW00                                |
| HANPOXIA     | 936117             | TM24796TH05                                |
| HANPOXIA     | 48253              | TM24796TT00                                |
| HANPOXIA     | 211224             | TM24796AE05                                |
| HANPOXIA     | 454987             | TM24796UY00                                |
| HANPOXIA     | 2014-006037        | TM24796VE05                                |
| HANPOXIA     | 66780              | TM24796YE05                                |
| HANPOXIA     | 2014004099         | TM24796GT05                                |
| HANPOXIA     | 15164/2014         | TM24796HN05                                |
| HANPOXIA     | 302983898          | TM24796HK00                                |
| HANPOXIA     | D002014021449      | TM24796ID05                                |
| HANPOXIA     | 264785             | TM24796IL05                                |
| HANPOXIA     | 64683              | TM24796JM00                                |
| HANPOXIA     | 134288             | TM24796JO05                                |
| HANPOXIA     | KSM2014414         | TM24796KO00                                |
| HANPOXIA     | 150916             | TM24796KW05                                |
| HANPOXIA     | 158321             | TM24796LB00                                |
| HANPOXIA     | 27746              | TM24796LY05                                |
| HANPOXIA     | N85852             | TM24796MO05                                |
| HANPOXIA     | 2014004973         | TM24796MY05                                |

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| HANPOXIA          | 2014001537         | TM24796NI00                                |
| HANPOXIA          | FTM0201417335      | TM24796NG05                                |
| HANPOXIA          | 3201401646         | TM24796OA00                                |
| HARPOON           | 634703             | TM4653IN00                                 |
| HARPOON           | 56045              | TM4653NP00                                 |
| HARPOON           | 8534               | TM4653BT00                                 |
| HEALTHIFY         | 302017026163       | TM26615DE00                                |
| HEDRIC            | SM-0184-2006       | TM3586BO05                                 |
| HEDRIC            | 900064382          | TM3586BR05                                 |
| HEDRIC            | 294185             | TM3586PE05                                 |
| HEDRIC-LOGO       | SM-0185-2006       | TM3587BO05                                 |
| HEPABIONTA        | 75546              | TM4716PK05                                 |
| HEPABIONTA (URDU) | 111058             | TM7512PK05                                 |
| HERZFORM-LOGO 1   | 396 34 151.9       | TM4787DE00                                 |
| HERZFORM-LOGO 2   | 666161             | TM4792WO00                                 |
| HERZFORM-LOGO 2   | 666161             | TM4792WO00                                 |
| HERZFORM-LOGO 2   | 000366013          | TM4792EU00                                 |
| HERZFORM-LOGO 2   | 396 31 358.2       | TM4792DE00                                 |
| HERZFORM-LOGO 2   | 475939             | TM4792MX05                                 |
| HERZFORM-LOGO 2   | 113677             | TM4792PA05                                 |
| HERZFORM-LOGO 2   | 522614             | TM4792CL00                                 |
| HERZFORM-LOGO 3   | 666651             | TM4794WO00                                 |
| HERZFORM-LOGO 3   | 666651             | TM4794WO00                                 |
| HERZFORM-LOGO 3   | 396 32 244.1       | TM4794DE00                                 |
| HERZFORM-LOGO 3   | 3185574            | TM4794AR05                                 |
| HERZFORM-LOGO 3   | 823940225          | TM4794BR05                                 |
| HERZFORM-LOGO 3   | 01020197           | TM4794CO05                                 |
| HERZFORM-LOGO 3   | 2001-1888          | TM4794CR05                                 |
| HERZFORM-LOGO 3   | 2002-158784        | TM4794DO05                                 |
| HERZFORM-LOGO 3   | 112663             | TM4794EC05                                 |
| HERZFORM-LOGO 3   | E-13853-01         | TM4794SV05                                 |
| HERZFORM-LOGO 3   | 1489               | TM4794GT05                                 |
| HERZFORM-LOGO 3   | 1131               | TM4794HN05                                 |
| HERZFORM-LOGO 3   | 1030               | TM4794NI00                                 |
| HERZFORM-LOGO 3   | 124979 / neu:73488 | TM4794PE05                                 |
| HERZFORM-LOGO 3   | 2001-003728        | TM4794VE05                                 |
| HERZFORM-LOGO 3   | 7462/2000          | TM4794CH00                                 |
| HEXOBION          | 101979             | TM4805WO00                                 |
| HEXOBION          | M59927/5WZ         | TM4805DE00                                 |
| HICANDET          | 2017052163         | TM25559MY00                                |
| HICANDET          | [not available]    | TM25559SV00                                |
| HICANDET          | [not available]    | TM25559PA00                                |
| HICANDET          | [not available]    | TM25559HN00                                |
| HICANDET          | [not available]    | TM25559NI00                                |
| HICANDET          | [not available]    | TM25559CR00                                |
| HICANDET          | [not available]    | TM25559GT00                                |
| HICANDET          | [not available]    | TM25559VN00                                |
| HICANDET          | [not available]    | TM25559TH00                                |
| HICANDET          | 40201702318U       | TM25559SG00                                |
| HICANDET          | [not available]    | TM25559PE00                                |
| HICANDET          | [not available]    | TM25559EC00                                |
| HICANDET          | [not available]    | TM25559CO00                                |
| HICANDET          | [not available]    | TM25559CL00                                |
| HICANDET          | 910691673          | TM25559BR00                                |
| HICANDET          | 55190              | TM25559UG00                                |
| HICANDET          | TZ/T/2016/1251     | TM25559TZ00                                |
| HICANDET          | 54996              | TM25559SD00                                |
| HICANDET          | [not available]    | TM25559NG00                                |
| HICANDET          | 30764/2016         | TM25559MZ00                                |
| HICANDET          | 91147              | TM25559KE00                                |
| HICANDET          | 400/2016           | TM25559GH00                                |
| HICANDET          | 48.322             | TM25559AO00                                |
| HICANDET          | 1717753            | TM25559MX00                                |
| HICANSIO          | 910691169          | TM25557BR00                                |
| HICANSIO          | 55188              | TM25557UG00                                |
| HICANSIO          | TZ/T/2016/1252     | TM25557TZ00                                |
| HICANSIO          | 54994              | TM25557SD00                                |

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| HICANSIO   | F/T/2016/1778      | TM25557NG00                                |
| HICANSIO   | 30761/2016         | TM25557MZ00                                |
| HICANSIO   | 91145              | TM25557KE00                                |
| HICANSIO   | 402/2016           | TM25557GH00                                |
| HICANSIO   | 48.318             | TM25557AO00                                |
| HICANSIO   | 1717761            | TM25557MX00                                |
| HICANSIO   | 2017052161         | TM25557MY00                                |
| HICANSIO   | [not available]    | TM25557SV00                                |
| HICANSIO   | [not available]    | TM25557PA00                                |
| HICANSIO   | [not available]    | TM25557HN00                                |
| HICANSIO   | [not available]    | TM25557NI00                                |
| HICANSIO   | [not available]    | TM25557CR00                                |
| HICANSIO   | [not available]    | TM25557GT00                                |
| HICANSIO   | [not available]    | TM25557VN00                                |
| HICANSIO   | [not available]    | TM25557TH00                                |
| HICANSIO   | 40201702317S       | TM25557SG00                                |
| HICANSIO   | [not available]    | TM25557PE00                                |
| HICANSIO   | [not available]    | TM25557EC00                                |
| HICANSIO   | [not available]    | TM25557CO00                                |
| HICANSIO   | [not available]    | TM25557CL00                                |
| HINPOXIA   | 302013059741       | TM24798DE00                                |
| HIPERGEL   | 2003-0001409       | TM7509CR05                                 |
| HIPERGEL   | 132493             | TM7509EC05                                 |
| HIPERGEL   | 2003/000757        | TM7509NI00                                 |
| HIPERGEL   | 128068             | TM7509PA05                                 |
| HIPERGEL   | 175138             | TM7509PE05                                 |
| HIPERGEL   | 2005-016098        | TM7509VE0501                               |
| HIPERGEL   | 05076617           | TM7509CO0501                               |
| HIPERGEL   | 18.652-05          | TM7509HN05                                 |
| HRT-LOGO 2 | 689183             | TM4842WO00                                 |
| HRT-LOGO 2 | 397 35 206.9       | TM4842DE00                                 |
| HRT-LOGO 2 | 5366               | TM4842TR00                                 |
| HRT-LOGO 2 | [not available]    | TM4842BB05                                 |
| HRT-LOGO 2 | 30472              | TM4842BM05                                 |
| HRT-LOGO 2 | 29170              | TM4842TT00                                 |
| HRT-LOGO 2 | 98/21918           | TM4842ZA05                                 |
| HRT-LOGO 2 | 310682             | TM4842UY00                                 |
| HRT-LOGO 2 | 7366               | TM4842W505                                 |
| HRT-LOGO 2 | 6468               | TM4842GZ05                                 |
| HRT-LOGO 2 | 137218             | TM4842GR00                                 |
| HRT-LOGO 2 | 40-199912858       | TM4842KR00                                 |
| HRT-LOGO 2 | 44326              | TM4842KW05                                 |
| HRT-LOGO 2 | 99003523           | TM4842MY05                                 |
| HRT-LOGO 2 | 851711             | TM4842IN00                                 |
| HRT-LOGO 2 | 127350             | TM4842IL05                                 |
| HRT-LOGO 2 | 48939              | TM4842SA05                                 |
| HRT-LOGO 2 | T99/04190F         | TM4842SG05                                 |
| HRT-LOGO 2 | 397558             | TM4842TH05                                 |
| HRT-LOGO 2 | 19981              | TM4842OM05                                 |
| HRT-LOGO 2 | 20593              | TM4842QA05                                 |
| HRT-LOGO 2 | 6346               | TM9274KO00                                 |
| HRT-LOGO 2 | 2988681            | TM4842AR05                                 |
| HRT-LOGO 2 | 16810              | TM4842BO05                                 |
| HRT-LOGO 2 | 434969             | TM4842CL00                                 |
| HRT-LOGO 2 | 1999-45            | TM4842CR05                                 |
| HRT-LOGO 2 | [not available]    | TM4842DO05                                 |
| HRT-LOGO 2 | 92831              | TM4842EC05                                 |
| HRT-LOGO 2 | 7854               | TM4842SV05                                 |
| HRT-LOGO 2 | 9615-98            | TM4842GT05                                 |
| HRT-LOGO 2 | 16334              | TM4842HN05                                 |
| HRT-LOGO 2 | 98076470           | TM4842CO05                                 |
| HRT-LOGO 2 | 356925             | TM4842MX05                                 |
| HRT-LOGO 2 | 01245              | TM4842NI00                                 |
| HRT-LOGO 2 | 97897              | TM4842PA05                                 |
| HRT-LOGO 2 | 27928              | TM4842PY05                                 |
| HRT-LOGO 2 | 75291              | TM4842PE05                                 |
| HRT-LOGO 2 | 31335              | TM4842AE05                                 |
| HRT-LOGO 2 | 1223/99            | TM4842BH05                                 |

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| HRT-LOGO 2           | 791549                 | TM4842AU00                                 |
| HRT-LOGO 2           | 2000/02823             | TM4842IE00                                 |
| HRT-LOGO 2 FemSeven  | 2103721                | TM4842GB00                                 |
| HRT-LOGO 3           | 688814                 | TM4843WO00                                 |
| HRT-LOGO 3           | 397 35 205.0           | TM4843DE00                                 |
| HRT-LOGO 3           | 6343                   | TM9275KO00                                 |
| HRT-LOGO 3           | 2000/02820             | TM4843IE00                                 |
| HRT-LOGO 3           | 137217                 | TM4843GR00                                 |
| HUND-LOGO            | 99-01693               | TM4845GT00                                 |
| HYLIPTA              | M16 00743              | TM25591HU00                                |
| HYPAXIG              | 012312138              | TM24703EU00                                |
| HYPAXIG              | 302013025746           | TM24703DE00                                |
| HYPOXIA EXPOSED-LOGO | 013181847              | TM25040EU00                                |
| HYPOXIA EXPOSED-LOGO | 2014070314             | TM25040JP00                                |
| HYPOXIN              | 30 2012 055 189.0 / 05 | TM24384DE00                                |
| HYXAP                | 012312252              | TM24704EU00                                |
| HYXAP                | 302013025747           | TM24704DE00                                |
| HYXOGA               | 012312294              | TM24705EU00                                |
| HYXOGA               | 302013025748           | TM24705DE00                                |
| HYXOPA               | 012312311              | TM24706EU00                                |
| HYXOPA               | 302013025749           | TM24706DE00                                |
| HYXOPIA              | 302013059738           | TM24795DE00                                |
| HYXOVO               | 012312369              | TM24707EU00                                |
| HYXOVO               | 302013025750           | TM24707DE00                                |
| HYXTOPIA             | 012849287              | TM24797EU00                                |
| HYXTOPIA             | 1211186                | TM24797WO00                                |
| HYXTOPIA             | 1211186                | TM24797WO00                                |
| HYXTOPIA             | 302013059740           | TM24797DE00                                |
| HYXTOPIA             | 3324462                | TM24797AR05                                |
| HYXTOPIA             | 38227                  | TM24797BS05                                |
| HYXTOPIA             | SM025462014            | TM24797BO05                                |
| HYXTOPIA             | 45100                  | TM24797BN00                                |
| HYXTOPIA             | 1105631                | TM24797CL00                                |
| HYXTOPIA             | 2014-003772            | TM24797CR05                                |
| HYXTOPIA             | 2014-13037             | TM24797DO05                                |
| HYXTOPIA             | IEPI2014579            | TM24797EC05                                |
| HYXTOPIA             | 231887                 | TM24797PA05                                |
| HYXTOPIA             | 185622014              | TM24797PY05                                |
| HYXTOPIA             | 573914                 | TM24797PE05                                |
| HYXTOPIA             | 88993                  | TM24797QA05                                |
| HYXTOPIA             | 1435013761             | TM24797SA05                                |
| HYXTOPIA             | 201411154              | TM24797ZA05                                |
| HYXTOPIA             | 103024612              | TM24797TW00                                |
| HYXTOPIA             | 936118                 | TM24797TH05                                |
| HYXTOPIA             | 48251                  | TM24797TT00                                |
| HYXTOPIA             | 211132                 | TM24797AE05                                |
| HYXTOPIA             | 454988                 | TM24797UY00                                |
| HYXTOPIA             | 2014-006035            | TM24797VE05                                |
| HYXTOPIA             | 66777                  | TM24797YE05                                |
| HYXTOPIA             | E1352292014            | TM24797SV05                                |
| HYXTOPIA             | 2014004100             | TM24797GT05                                |
| HYXTOPIA             | 15163/2014             | TM24797HN05                                |
| HYXTOPIA             | 302983889              | TM24797HK00                                |
| HYXTOPIA             | D002014021452          | TM24797ID05                                |
| HYXTOPIA             | 264964                 | TM24797IL05                                |
| HYXTOPIA             | 64652                  | TM24797JM00                                |
| HYXTOPIA             | 134291                 | TM24797JO05                                |
| HYXTOPIA             | KSM2014413             | TM24797KO00                                |
| HYXTOPIA             | 150915                 | TM24797KW05                                |
| HYXTOPIA             | 158370                 | TM24797LB00                                |
| HYXTOPIA             | 27744                  | TM24797LY05                                |
| HYXTOPIA             | N85851                 | TM24797MO05                                |
| HYXTOPIA             | 2014004974             | TM24797MY05                                |
| HYXTOPIA             | 2014001538             | TM24797NI00                                |
| HYXTOPIA             | FTM0201417333          | TM24797NG05                                |

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| HYXTOPIA   | 3201401645          | TM24797OA00                                |
| HYXTOPIA   | 361286              | TM24797PK05                                |
| HYXTUMIO   | 012312427           | TM24708EU00                                |
| HYXTUMIO   | 302013025751        | TM24708DE00                                |
| IBERCAL    | 2001-00459          | TM4886NI00                                 |
| IDEBEN     | 12.778-98           | TM4904VE05                                 |
| IGBION     | 1339801             | TM3003IN00                                 |
| ILOBAN     | 2008-0001184        | TM4912CR05                                 |
| ILOBAN     | 2111                | TM4912BO05                                 |
| ILOBAN     | 81/17424            | TM4912BB05                                 |
| ILOBAN     | 1900-1627405        | TM4912CR0501                               |
| ILOBAN     | [not available]     | TM4912DO05                                 |
| ILOBAN     | [not available]     | TM4912EC05                                 |
| ILOBAN     | 10105140            | TM4912CO00                                 |
| ILOBAN     | E-3308-92           | TM4912SV05                                 |
| ILOBAN     | 147039              | TM4912IN00                                 |
| ILOBAN     | [not available]     | TM4912HT05                                 |
| ILOBAN     | 003564002           | TM4912BR05                                 |
| ILOBAN     | 482154 / neu 907897 | TM4912CL00                                 |
| ILOSTAL    | 687237              | TM3269CL00                                 |
| ILVITOS    | 7679                | TM4940VE05                                 |
| IMOXINE    | 1,203,086           | TM4615CA00                                 |
| IMOXINE    | 6820103             | TM4615CN05                                 |
| IMPEC      | 301213361           | TM4945HK00                                 |
| IMPEC      | [not available]     | TM4945CR05                                 |
| IMPEC      | 798347              | TM4945NZ00                                 |
| IMPEC      | 08.116.779          | TM4945CO05                                 |
| IMPEC      | 1749566             | TM4945IN00                                 |
| IMPEC      | 2008/25803          | TM4945ZA05                                 |
| IMPEC      | 133300              | TM4945IL05                                 |
| IMPEC      | 77/273.308          | TM4945US00                                 |
| IMPEC      | 4663-08             | TM4945BO05                                 |
| IMPEC-LOGO | 971501              | TM4789MX05                                 |
| IMPEC-LOGO | 2878401             | TM4789AR05                                 |
| INDACOR    | 666363              | TM4951IN00                                 |
| INFEXIN    | 3178                | TM8695AF00                                 |
| INFEXYME   | 92319               | TM26024KE00                                |
| INFEXYME   | TZ/T/2016/1243      | TM26024TZ00                                |
| INFEXYME   | 56714               | TM26024UG00                                |
| INPREVIA   | 499/2016            | TM25616GH00                                |
| INPREVIA   | 56337               | TM25616UG00                                |
| INPREVIA   | TZ/T/2016/668       | TM25616TZ00                                |
| INPREVIA   | 55126               | TM25616SD00                                |
| INPREVIA   | [not available]     | TM25616NG00                                |
| INPREVIA   | 308552016           | TM25616MZ00                                |
| INPREVIA   | 91418               | TM25616KE00                                |
| INPREVIA   | 3201600775          | TM25616OA00                                |
| INPREVIA   | FTM/7209/2016       | TM25616ET00                                |
| INPREVIA   | 48551               | TM25616AO00                                |
| INTAFIA    | 302017026191        | TM26619DE00                                |
| INURAT     | 389490              | TM4964MX05                                 |
| IONC       | 1201273             | TM24741WO00                                |
| IONC       | 1201273             | TM24741WO00                                |
| ISERA      | 30 2008 000 949.7   | TM4353DE00                                 |
| ISOCOR     | 558270              | TM4996IN00                                 |
| ISOCOR     | 4/2253/2015         | TM4996MM00                                 |
| ISOCOR     | 59713               | TM4996NP05                                 |
| JANCUTIN   | 147038              | TM25184IN00                                |
| JANTRIC    | M16 02523           | TM26076HU00                                |
| JANTRIC    | 1779329             | TM26076MX00                                |
| JANTRIC    | 911450130           | TM26076BR00                                |
| JANTRIC    | D00-2016-037742     | TM26076ID00                                |
| JANTRIC    | [not available]     | TM26076UG00                                |
| JANTRIC    | 32739/2016          | TM26076MZ00                                |
| JANTRIC    | TZ/T/2016/2861      | TM26076TZ00                                |
| JANTRIC    | [not available]     | TM26076AO00                                |
| JANTRIC    | 3201603872          | TM26076OA00                                |
| JANTRIC    | 56702               | TM26076SD00                                |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

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| JANTRIC                                | FTM/8352/2017      | TM26076ET00                                |
| JANTRIC                                | 2320/2016          | TM26076GH00                                |
| JANTRIC                                | 95282              | TM26076KE00                                |
| JANTRIC                                | F/T/2016/11024     | TM26076NG00                                |
| JODBALANCE-LOGO (CYRILLIC)             | MGU20030834        | TM7778UZ00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | 2004.0001          | TM7778TM00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | 20031213575        | TM7778UA00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | 014013             | TM7778MD00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | 04006546           | TM7778TJ00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | 25905              | TM7778KZ00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | 20040001.3         | TM7778KG00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | 2003725435         | TM7778RU00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | 20040010           | TM7778BY00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | AM2003017579       | TM7778GE00                                 |
| JODBALANCE-LOGO (CYRILLIC)             | 20040001           | TM7778AZ00                                 |
| JODBALANCE-LOGO (CYRILLIC) black&white | 20151719           | TM7778AM01                                 |
| JODBALANCE-SLOGAN (CYRILLIC)           | 200616054          | TM3906UA00                                 |
| JODID                                  | 139474             | TM5013PL00                                 |
| JODID                                  | 77.433             | TM5013MA00                                 |
| JODID                                  | 60149              | TM5013CY05                                 |
| JODID (CYRILLIC)                       | 682674             | TM5014WO00                                 |
| JODID MERCK                            | 734727             | TM5015WO00                                 |
| JODID MERCK                            | 003628161          | TM5015EU00                                 |
| JODID MERCK                            | 39807461.5         | TM5015DE00                                 |
| JODID MERCK                            | 6342               | TM9276KO00                                 |
| JODID VERMA                            | 398 74 816.0       | TM5016DE00                                 |
| JODIX                                  | M09 03374          | TM8966HU00                                 |
| JODTHYROX                              | 495036             | TM5018WO00                                 |
| JODTHYROX                              | 003287968          | TM5018EU00                                 |
| JODTHYROX (CYRILLIC)                   | 682682             | TM5020WO00                                 |
| JODTHYROX (CYRILLIC)                   | 97705810           | TM5020RU00                                 |
| JODTHYROX-MERCK                        | 2332/87            | TM5021AT00                                 |
| JOINTIL                                | 823969410          | TM5022BR05                                 |
| JOVIUS                                 | M16 02520          | TM26073HU00                                |
| JOVIUS                                 | D00-2016-037736    | TM26073ID00                                |
| JOVIUS                                 | 1779324            | TM26073MX00                                |
| JOVIUS                                 | 911449868          | TM26073BR00                                |
| JOVIUS                                 | 56699              | TM26073SD00                                |
| JOVIUS                                 | FTM/8348/2017      | TM26073ET00                                |
| JOVIUS                                 | 2318/2016          | TM26073GH00                                |
| JOVIUS                                 | 95277              | TM26073KE00                                |
| JOVIUS                                 | F/T/2016/11020     | TM26073NG00                                |
| JOVIUS                                 | [not available]    | TM26073UG00                                |
| JOVIUS                                 | 32740/2016         | TM26073MZ00                                |
| JOVIUS                                 | TZ/T/2016/2860     | TM26073TZ00                                |
| JOVIUS                                 | [not available]    | TM26073AO00                                |
| JOVIUS                                 | 3201603871         | TM26073OA00                                |
| KALIDIL                                | MI99C003713        | TM5024IT01                                 |
| KALIOILITE                             | 114816             | TM5025MX05                                 |
| KALMOXI                                | 752/2016           | TM25639GH00                                |
| KALMOXI                                | 56345              | TM25639UG00                                |
| KALMOXI                                | TZ/T/2016/1064     | TM25639TZ00                                |
| KALMOXI                                | 311542016          | TM25639MZ00                                |

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| KALMOXI                                                | 48788              | TM25639AO00                                |
| KELSPRIG                                               | 012312591          | TM24723EU00                                |
| KELSPRIG                                               | 1205058            | TM24723WO00                                |
| KELSPRIG                                               | 1205058            | TM24723WO00                                |
| KELSPRIG                                               | 3324460            | TM24723AR05                                |
| KELSPRIG                                               | 38372              | TM24723BS05                                |
| KELSPRIG                                               | SM025442014        | TM24723BO05                                |
| KELSPRIG                                               | 907661750          | TM24723BR05                                |
| KELSPRIG                                               | 45102              | TM24723BN00                                |
| KELSPRIG                                               | 1675172            | TM24723CA00                                |
| KELSPRIG                                               | 1105484            | TM24723CL00                                |
| KELSPRIG                                               | 2014-003776        | TM24723CR05                                |
| KELSPRIG                                               | 2014-13036         | TM24723DO05                                |
| KELSPRIG                                               | IEPI2014618        | TM24723EC05                                |
| KELSPRIG                                               | E1352272014        | TM24723SV05                                |
| KELSPRIG                                               | 2014004101         | TM24723GT05                                |
| KELSPRIG                                               | 15161/2014         | TM24723HN05                                |
| KELSPRIG                                               | 88953              | TM24723QA05                                |
| KELSPRIG                                               | 1435013750         | TM24723SA05                                |
| KELSPRIG                                               | 201411147          | TM24723ZA05                                |
| KELSPRIG                                               | 103024609          | TM24723TW00                                |
| KELSPRIG                                               | 936120             | TM24723TH05                                |
| KELSPRIG                                               | 48229              | TM24723TT00                                |
| KELSPRIG                                               | 211223             | TM24723AE05                                |
| KELSPRIG                                               | 454990             | TM24723UY00                                |
| KELSPRIG                                               | 2014-006036        | TM24723VE05                                |
| KELSPRIG                                               | 66775              | TM24723YE05                                |
| KELSPRIG                                               | 302982295          | TM24723HK00                                |
| KELSPRIG                                               | D002014021454      | TM24723ID05                                |
| KELSPRIG                                               | 67066              | TM24723IQ00                                |
| KELSPRIG                                               | 264787             | TM24723IL05                                |
| KELSPRIG                                               | 64651              | TM24723JM00                                |
| KELSPRIG                                               | 134290             | TM24723JO05                                |
| KELSPRIG                                               | KSM2014398         | TM24723KO00                                |
| KELSPRIG                                               | 150811             | TM24723KW05                                |
| KELSPRIG                                               | 158369             | TM24723LB00                                |
| KELSPRIG                                               | 27747              | TM24723LY05                                |
| KELSPRIG                                               | N85786             | TM24723MO05                                |
| KELSPRIG                                               | 2014004972         | TM24723MY05                                |
| KELSPRIG                                               | 498122014          | TM24723MM05                                |
| KELSPRIG                                               | 2014001536         | TM24723NI00                                |
| KELSPRIG                                               | FTM0201417338      | TM24723NG05                                |
| KELSPRIG                                               | 3201401647         | TM24723OA00                                |
| KELSPRIG                                               | 361148             | TM24723PK05                                |
| KELSPRIG                                               | 231886             | TM24723PA05                                |
| KELSPRIG                                               | 192202014          | TM24723PY05                                |
| KELSPRIG                                               | 573915             | TM24723PE05                                |
| KELSPRIG                                               | 302013028594       | TM24723DE00                                |
| KELSPRIG                                               | DZ/T/2014/001924   | TM24723DZ00                                |
| KELSPRIG                                               | 4-2017-017998      | TM24723PH00                                |
| KELSPRIG (KATAKANA)                                    | 2014-099775        | TM25116JP00                                |
| KEY4SKIN-LOGO                                          | 1050198            | TM9194WO00                                 |
| KEY4SKIN-LOGO                                          | 30 2010 037 346    | TM9194DE00                                 |
| KIALUZ                                                 | 302008001426.1/05  | TM4416DE00                                 |
| KLARIBACT                                              | 51955              | TM7742UG00                                 |
| KLARIBACT                                              | 4/13447/2015       | TM7742MM00                                 |
| KLARIBACT                                              | 3188               | TM7742AF00                                 |
| KLARIBACT                                              | 193312             | TM7742LK00                                 |
| KONKOR                                                 | MGU 2014 1754      | TM25118UZ00                                |
| LA DIABETES TIPO 2 EN NINOS NO ES UN JUEGO, ES UN RETO | 101097             | TM26138MX41                                |
| LA DIABETES TIPO 2 EN NINOS NO ES UN JUEGO, ES UN RETO | 101098             | TM26138MX44                                |
| LACTAM                                                 | 90146              | TM5102PE05                                 |
| LANSART                                                | Z-457385           | TM26028PL00                                |

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| LANSART                         | D00-2016-031139        | TM26028ID00                                |
| LANSART                         | 4-2016-0013389         | TM26028PH00                                |
| LANSART                         | 4-2017-20628           | TM26028VN00                                |
| LANSART                         | [not available]        | TM26028MY00                                |
| LANSART AM                      | Z-457380               | TM26028PL01                                |
| LANSART AM                      | D00-2016-031150        | TM26028ID01                                |
| LARTEMA                         | 93446                  | TM26089KE00                                |
| LARTEMA                         | F/T/2016/6620          | TM26089NG00                                |
| LARTEMA PLUS                    | 50072                  | TM26101AO00                                |
| LARTEMA PLUS                    | FTM/7718/2016          | TM26101ET00                                |
| LARTEMA PLUS                    | 1468/2016              | TM26101GH00                                |
| LARTEMA PLUS                    | 55900                  | TM26101SD00                                |
| LARTEMA PLUS                    | F/T/2016/9364          | TM26101NG00                                |
| LAS CONSECUENCIAS NO SON DULCES | 102217                 | TM25522MX00                                |
| LAS CONSECUENCIAS NO SON DULCES | 102219                 | TM25522MX01                                |
| LAXTAM                          | 814195415              | TM5117BR05                                 |
| LEDIPSA                         | 910739480              | TM25588BR00                                |
| LEDIPSA                         | M16 00740              | TM25588HU00                                |
| LEDIPSA                         | 4-2016-010438          | TM25588PH00                                |
| LEDIPSA                         | 3411803                | TM25588IN00                                |
| LEDIPSA                         | [not available]        | TM25588TH00                                |
| LEDIPSA                         | 2017056461             | TM25588MY00                                |
| LEDIPSA                         | [not available]        | TM25588SG00                                |
| LEDIPSA                         | [not available]        | TM25588VN00                                |
| LEDIPSA SIM                     | 4-2016-013386          | TM26068PH00                                |
| LEDIPSA SV                      | [not available]        | TM26068TH00                                |
| LEDIPSA SV                      | 2017056429             | TM26068MY00                                |
| LEDIPSA SV                      | 1779332                | TM26068MX00                                |
| LEDIPSA SV                      | 911419586              | TM26068BR00                                |
| LEJENZA                         | M16 02525              | TM26078HU00                                |
| LEJENZA                         | 1779330                | TM26078MX00                                |
| LEJENZA                         | 911450246              | TM26078BR00                                |
| LEJENZA                         | D00-2016-037749        | TM26078ID00                                |
| LEJENZA                         | [not available]        | TM26078UG00                                |
| LEJENZA                         | 32741/2016             | TM26078MZ00                                |
| LEJENZA                         | TZ/T/2016/2863         | TM26078TZ00                                |
| LEJENZA                         | [not available]        | TM26078AO00                                |
| LEJENZA                         | 3201603874             | TM26078OA00                                |
| LEJENZA                         | 56704                  | TM26078SD00                                |
| LEJENZA                         | FTM/8349/2017          | TM26078ET00                                |
| LEJENZA                         | 2316/2016              | TM26078GH00                                |
| LEJENZA                         | 95281                  | TM26078KE00                                |
| LEJENZA                         | F/T/2016/11025         | TM26078NG00                                |
| LESILIP                         | 910741360              | TM25590BR00                                |
| LESILIP                         | M16 00742              | TM25590HU00                                |
| LESILIP                         | 4-2016-013388          | TM25590PH00                                |
| LESILIP SIM                     | 4-2016-013387          | TM25590PH01                                |
| LEVOMERC                        | 51959                  | TM8921UG00                                 |
| LEVOMERC                        | 3189                   | TM8921AF00                                 |
| LEVOTHYROX                      | 30155986.4             | TM8283DE00                                 |
| LEVOTHYROX                      | 30 2011 051 232.9 / 05 | TM8283DE01                                 |
| LEXAVOD                         | 910692394              | TM25577BR00                                |
| LEXAVOD                         | 55836                  | TM25577UG00                                |
| LEXAVOD                         | TZ/T/2016/1253         | TM25577TZ00                                |
| LEXAVOD                         | 55010                  | TM25577SD00                                |
| LEXAVOD                         | F/T/2016/1799          | TM25577NG00                                |
| LEXAVOD                         | [not available]        | TM25577MZ00                                |
| LEXAVOD                         | 91183                  | TM25577KE00                                |
| LEXAVOD                         | 398/2016               | TM25577GH00                                |
| LEXAVOD                         | 3201600630             | TM25577OA00                                |
| LEXAVOD                         | 48315                  | TM25577AO00                                |
| LEXAVOD                         | Z-453107               | TM25577PL00                                |
| LEXAVOD                         | M16 00644              | TM25577HU00                                |
| LEXAVOD                         | 3197476                | TM25577IN00                                |

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| LEXAVOD   | 1718724            | TM25577MX00                                |
| LEXAVOD   | D00-2016-047125    | TM25577ID00                                |
| LIACOR    | 011095387          | TM5127EU00                                 |
| LIACOR    | 1156015            | TM5127WO00                                 |
| LIACOR    | 1156015            | TM5127WO00                                 |
| LIACOR    | 111746             | TM5127GR00                                 |
| LIACOR    | MI2012C004570      | TM5127IT00                                 |
| LIACOR    | MI2010C000242      | TM5127IT02                                 |
| LIACOR    | M64344/5WZ         | TM5127DE00                                 |
| LIACOR    | 326/90             | TM5127DK00                                 |
| LIACOR    | 213/90             | TM5127FI00                                 |
| LIACOR    | 900264             | TM5127NO00                                 |
| LIACOR    | 90-0328            | TM5127SE00                                 |
| LIACOR    | 2478816            | TM5127ES00                                 |
| LIACOR    | 68780              | TM5127SK00                                 |
| LIACOR    | 780513             | TM5127BX00                                 |
| LIACOR    | 68780-92           | TM5127CZ00                                 |
| LIACOR    | Z109816            | TM5127PL00                                 |
| LIACOR    | 27009              | TM5127RO00                                 |
| LIACOR    | 3976/1992.6        | TM5127CH00                                 |
| LIACOR    | 159494             | TM5127RU00                                 |
| LIACOR    | 9202764            | TM5127HU00                                 |
| LIBRACOR  | 1519892            | TM5130GB00                                 |
| LIBRACOR  | 5892/92            | TM5130IE00                                 |
| LIPCORAL  | 911596577          | TM26055BR00                                |
| LIPCORAL  | 1779344            | TM26055MX00                                |
| LIPDUXA   | 910692734          | TM25570BR00                                |
| LIPDUXA   | 55837              | TM25570UG00                                |
| LIPDUXA   | TZ/T/2016/1254     | TM25570TZ00                                |
| LIPDUXA   | 55000              | TM25570SD00                                |
| LIPDUXA   | F/T/2016/1795      | TM25570NG00                                |
| LIPDUXA   | 30772/2016         | TM25570MZ00                                |
| LIPDUXA   | 91182              | TM25570KE00                                |
| LIPDUXA   | 397/2016           | TM25570GH00                                |
| LIPDUXA   | 3201600614         | TM25570OA00                                |
| LIPDUXA   | 2017052139         | TM25570MY00                                |
| LIPDUXA   | [not available]    | TM25570SV00                                |
| LIPDUXA   | [not available]    | TM25570PA00                                |
| LIPDUXA   | 6074/2017          | TM25570HN00                                |
| LIPDUXA   | [not available]    | TM25570NI00                                |
| LIPDUXA   | 2017-4716          | TM25570DO00                                |
| LIPDUXA   | [not available]    | TM25570CR00                                |
| LIPDUXA   | [not available]    | TM25570GT00                                |
| LIPDUXA   | 4-2017-02520       | TM25570VN00                                |
| LIPDUXA   | 170107998          | TM25570TH00                                |
| LIPDUXA   | 40201702146Y       | TM25570SG00                                |
| LIPDUXA   | 692729             | TM25570PE00                                |
| LIPDUXA   | [not available]    | TM25570EC00                                |
| LIPDUXA   | SD2017/0007989     | TM25570CO00                                |
| LIPDUXA   | 1241082            | TM25570CL00                                |
| LIPDUXA   | D00-2016-047114    | TM25570ID00                                |
| LIPDUXA   | 48.321             | TM25570AO00                                |
| LIPDUXA   | 3195679            | TM25570IN00                                |
| LIPDUXA   | 1718715            | TM25570MX00                                |
| LIPOBION  | 66154-A            | TM5174CL00                                 |
| LIPRIAZA  | 910741590          | TM25589BR00                                |
| LIPRIAZA  | M16 00744          | TM25589HU00                                |
| LIPRIL    | 46.712             | TM25321AO00                                |
| LIPSUVA   | TZ/T/2016/1250     | TM25569TZ00                                |
| LIPSUVA   | 54999              | TM25569SD00                                |
| LIPSUVA   | F/T/2016/1798      | TM25569NG00                                |
| LIPSUVA   | 30773/2016         | TM25569MZ00                                |
| LIPSUVA   | 91181              | TM25569KE00                                |
| LIPSUVA   | 407/2016           | TM25569GH00                                |
| LIPSUVA   | 3201600613         | TM25569OA00                                |
| LIPSUVA   | 48.320             | TM25569AO00                                |
| LIPSUVA   | 3195678            | TM25569IN00                                |
| LIPSUVA   | 1718716            | TM25569MX00                                |



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| LIPSUVA      | 2017052143         | TM25569MY00                                |
| LIPSUVA      | [not available]    | TM25569PA00                                |
| LIPSUVA      | 6073/2017          | TM25569HN00                                |
| LIPSUVA      | [not available]    | TM25569NI00                                |
| LIPSUVA      | 2017-4717          | TM25569DO00                                |
| LIPSUVA      | [not available]    | TM25569CR00                                |
| LIPSUVA      | [not available]    | TM25569GT00                                |
| LIPSUVA      | 4-2017-02519       | TM25569VN00                                |
| LIPSUVA      | 170107996          | TM25569TH00                                |
| LIPSUVA      | 40201702149Q       | TM25569SG00                                |
| LIPSUVA      | 692724             | TM25569PE00                                |
| LIPSUVA      | [not available]    | TM25569EC00                                |
| LIPSUVA      | SD2017/0007988     | TM25569CO00                                |
| LIPSUVA      | 1241084            | TM25569CL00                                |
| LIPSUVA      | [not available]    | TM25569SV00                                |
| LIPSUVA      | D00-2016-047113    | TM25569ID00                                |
| LIPSUVA      | 910692726          | TM25569BR00                                |
| LIPSUVA      | 55838              | TM25569UG00                                |
| LIPTEKA      | 911419993          | TM26056BR00                                |
| LIPTEKA      | 1779345            | TM26056MX00                                |
| LIPTEKA      | 716587             | TM26056PE00                                |
| LIPTRALYS    | 910740909          | TM25592BR00                                |
| LIPTRALYS    | M16 00741          | TM25592HU00                                |
| LIPTRALYS    | [not available]    | TM25592TH00                                |
| LIPTRALYS    | 2017056459         | TM25592MY00                                |
| LIPTRALYS SV | [not available]    | TM26069TH00                                |
| LIPTRALYS SV | 2017056433         | TM26069MY00                                |
| LIPTRALYS SV | 911419675          | TM26069BR00                                |
| LIPTRALYS SV | 1779333            | TM26069MX00                                |
| LIRTODAC     | 202249             | TM4694EC05                                 |
| LIRTODAC     | 09.043.240         | TM4694CO00                                 |
| LODARZA      | Z-457386           | TM26030PL00                                |
| LODARZA      | D00-2016-031147    | TM26030ID00                                |
| LODARZA      | 4-2017-16512       | TM26030VN00                                |
| LODARZA      | [not available]    | TM26030TH00                                |
| LODARZA      | 40201711241S       | TM26030SG00                                |
| LODARZA      | [not available]    | TM26030MY00                                |
| LODARZA AM   | Z-457387           | TM26030PL01                                |
| LODARZA AM   | D00-2016-031129    | TM26030ID01                                |
| LODICOR      | 433670             | TM5192CL00                                 |
| LODOPIN      | 4618               | TM7789AF00                                 |
| LODOZ        | 771134             | TM5195WO00                                 |
| LODOZ        | 771134             | TM5195WO00                                 |
| LODOZ        | 003288297          | TM5195EU00                                 |
| LODOZ        | 14781              | TM5195LY05                                 |
| LODOZ        | 674481/97          | TM5195FR00                                 |
| LODOZ        | Z20010166A         | TM5195HR00                                 |
| LODOZ        | 1400/2001          | TM5195CH00                                 |
| LODOZ        | Z-200170205        | TM5195SI00                                 |
| LODOZ        | M-01-234           | TM5195LV00                                 |
| LODOZ        | 367614             | TM5195TH05                                 |
| LODOZ        | 9800044221         | TM5195CN05                                 |
| LODOZ        | 147813             | TM5195PK05                                 |
| LODOZ        | 98-10858           | TM5195KR00                                 |
| LODOZ        | D 98 14796         | TM5195ID05                                 |
| LODOZ        | 98-08373           | TM5195SE00                                 |
| LODOZ        | 199810327          | TM5195NO00                                 |
| LODOZ        | 926535             | TM5195BX00                                 |
| LODOZ        | 77435              | TM5195MA00                                 |
| LODOZ        | 60150              | TM5195CY05                                 |
| LODOZ        | M1200C007349       | TM5195IT00                                 |
| LODOZ        | 846221             | TM5195AU00                                 |
| LODOZ        | 138779             | TM5195IL05                                 |
| LODOZ        | 301 51 810.6       | TM5195DE00                                 |
| LODOZ        | 134775             | TM5195EG05                                 |
| LODOZ        | 111614             | TM5195LK05                                 |
| LODOZ        | 87877              | TM5195SA05                                 |
| LODOZ        | 97363              | TM5195LB00                                 |

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| LODOZ                            | 62986                | TM5195KW05                                 |
| LODOZ                            | 98010362             | TM5195MY05                                 |
| LODOZ                            | T98/07146A           | TM5195SG05                                 |
| LODOZ                            | 199704272            | TM5195FI00                                 |
| LODOZ                            | 135081               | TM5195GR00                                 |
| LODOZ                            | 12002                | TM5195TR00                                 |
| LODOZ                            | 857017               | TM5195IN00                                 |
| LODOZ                            | 6339                 | TM5195KO00                                 |
| LODOZ                            | 4/2252/2015          | TM5195MM00                                 |
| LODOZ                            | KH/65814/15          | TM5195KH05                                 |
| LODOZ                            | 101988               | TM5195BD05                                 |
| LODOZ                            | 56341                | TM5195NP00                                 |
| LODOZ                            | [not available]      | TM5195PF00                                 |
| LODOZ                            | MU/M/2014/19771      | TM5195MU00                                 |
| LODOZ                            | 69079                | TM5195YE00                                 |
| LODOZ                            | 93083                | TM5195QA00                                 |
| LODOZ                            | 3201404194           | TM5195OA00                                 |
| LODOZ                            | FTM/6766/2015        | TM5195ET00                                 |
| LODOZ                            | F/T/2014/5609        | TM5195NG00                                 |
| LODOZ                            | [not available]      | TM5195ER00                                 |
| LODOZ                            | 633209               | TM5195NZ00                                 |
| LODOZ (CHINESE4)                 | 5603827              | TM4009CN05                                 |
| LODOZ (CHINESE5 - OLD : NUO SHI) | 301473417            | TM8964HK00                                 |
| LODOZ (CHINESE5)                 | 5603826              | TM4010CN05                                 |
| LODOZ (CYRILLIC)                 | 830991               | TM7766WO00                                 |
| LODOZ (CYRILLIC)                 | 303 64 034.0         | TM7766DE00                                 |
| LODOZ (URDU)                     | 149643               | TM3550PK05                                 |
| LODOZ MERCK                      | 98 09267             | TM5196HK00                                 |
| LODOZ-LOGO                       | 793123               | TM7332WO00                                 |
| LODOZ-LOGO                       | 51418                | TM7332AE05                                 |
| LODOZ-LOGO                       | 51419                | TM7332AE16                                 |
| LODOZ-LOGO                       | 506386               | TM7332TH05                                 |
| LODOZ-LOGO                       | 506387               | TM7332TH16                                 |
| LODOZ-LOGO                       | 182053               | TM7332PK05                                 |
| LODOZ-LOGO                       | 182054               | TM7332PK16                                 |
| LODOZ-LOGO                       | 02015118             | TM7332MY05                                 |
| LODOZ-LOGO                       | 02015119             | TM7332MY16                                 |
| LODOZ-LOGO                       | D00-2002-29303.29628 | TM7332ID05                                 |
| LODOZ-LOGO                       | D00-2002-29304.29629 | TM7332ID16                                 |
| LODOZ-LOGO                       | 1155900              | TM7332IN00                                 |
| LODOZ-LOGO                       | 1155899              | TM7332IN01                                 |
| LODOZ-LOGO                       | 02111620             | TM7332CO05                                 |
| LODOZ-LOGO                       | 02111590             | TM7332CO16                                 |
| LODOZ-LOGO                       | 2002 18934           | TM7332HK00                                 |
| LODOZ-LOGO                       | 2002 18933           | TM7332HK01                                 |
| LODOZ-LOGO                       | 2002/19304           | TM7332ZA05                                 |
| LODOZ-LOGO                       | 2002/19305           | TM7332ZA16                                 |
| LODOZ-LOGO                       | [not available]      | TM7332GH16                                 |
| LODOZ-LOGO                       | 34868                | TM7332GH05                                 |
| LODOZ-LOGO                       | 2002-019002          | TM7332VE05                                 |
| LODOZ-LOGO                       | 2002-019003          | TM7332VE16                                 |
| LODOZ-LOGO                       | 168588               | TM7332PE16                                 |
| LODOZ-LOGO                       | 168587               | TM7332PE05                                 |
| LODOZ-LOGO                       | 578622               | TM7332MX05                                 |
| LODOZ-LOGO                       | 578621               | TM7332MX16                                 |
| LODOZ-LOGO                       | 825144795            | TM7332BR05                                 |
| LODOZ-LOGO                       | 825144787            | TM7332BR16                                 |
| LODOZ-LOGO                       | 591544               | TM7332CL00                                 |
| LODOZ-LOGO                       | 2002-08619           | TM7332GT05                                 |
| LODOZ-LOGO                       | 2002-08615           | TM7332GT16                                 |
| LODOZ-LOGO                       | 129828               | TM7332EC05                                 |
| LODOZ-LOGO                       | 129827               | TM7332EC16                                 |
| LODOZ-LOGO                       | 2225-2004            | TM7332BO05                                 |
| LODOZ-LOGO                       | 2226-2004            | TM7332BO16                                 |
| LODOZ-LOGO                       | 591545               | TM7332CL01                                 |

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| LODOZ-LOGO | 6336               | TM7332KO00                                 |
| LODOZ-LOGO | 4-2012-003115      | TM7332PH01                                 |
| LODOZ-LOGO | D00-2010-033874    | TM9175ID00                                 |
| LOFLAM     | 2007-2250          | TM5200CR05                                 |
| LOFLAM     | 60                 | TM5200CU05                                 |
| LOFLAM     | 143716             | TM5200PE05                                 |
| LOFLAM     | 50392              | TM5200CL00                                 |
| LOFLAM     | 54745              | TM5200EC05                                 |
| LOFLAM     | 97047152           | TM5200CO05                                 |
| LOFLAM     | O.NR.              | TM5200DO05                                 |
| LOFLAM     | [not available]    | TM5200HT05                                 |
| LOFLAM     | 9759/97            | TM5200HN05                                 |
| LOFLAM     | 089785             | TM5200PA05                                 |
| LOFLAM     | 9707007            | TM5200GT05                                 |
| LOFLAM     | 1998/03845         | TM5200NI00                                 |
| LOFLAM     | 5683-97            | TM5200SV05                                 |
| LOTUGAR    | 012312468          | TM24709EU00                                |
| LOTUGAR    | 302013025752       | TM24709DE00                                |
| LOTUGEO    | 012312567          | TM24721EU00                                |
| LOTUGEO    | 302013028591       | TM24721DE00                                |
| LOXTARGA   | 012312492          | TM24710EU00                                |
| LOXTARGA   | 302013025753       | TM24710DE00                                |
| LOXTOMNI   | 012312633          | TM24724EU00                                |
| LOXTOMNI   | 302013028595       | TM24724DE00                                |
| LUCANTIM   | 93454              | TM26099KE00                                |
| LUCANTIM   | F/T/2016/6628      | TM26099NG00                                |
| LUCANTIM   | TZ/T/2016/1955     | TM26099TZ00                                |
| LUCANTIM   | 57323              | TM26099UG00                                |
| LUCLERA    | 93453              | TM26098KE00                                |
| LUCLERA    | F/T/2016/6627      | TM26098NG00                                |
| LUCLERA    | TZ/T/2016/1954     | TM26098TZ00                                |
| LUCLERA    | 57328              | TM26098UG00                                |
| LUVEXIA    | 93452              | TM26097KE00                                |
| LUVEXIA    | F/T/2016/7573      | TM26097NG00                                |
| LUVEXIA    | TZ/T/2016/1953     | TM26097TZ00                                |
| LUVEXIA    | 57327              | TM26097UG00                                |
| LUXOFAR    | 191035             | TM4503EC05                                 |
| LYPARE     | 2017052146         | TM25568MY00                                |
| LYPARE     | [not available]    | TM25568SV00                                |
| LYPARE     | [not available]    | TM25568PA00                                |
| LYPARE     | [not available]    | TM25568HN00                                |
| LYPARE     | [not available]    | TM25568NI00                                |
| LYPARE     | [not available]    | TM25568CR00                                |
| LYPARE     | [not available]    | TM25568GT00                                |
| LYPARE     | 4-2017-02521       | TM25568VN00                                |
| LYPARE     | 170107999          | TM25568TH00                                |
| LYPARE     | 40201702152X       | TM25568SG00                                |
| LYPARE     | [not available]    | TM25568PE00                                |
| LYPARE     | [not available]    | TM25568EC00                                |
| LYPARE     | SD2017/0008544     | TM25568CO00                                |
| LYPARE     | 1241520            | TM25568CL00                                |
| LYPARE     | D00-2016-04711     | TM25568ID00                                |
| LYPARE     | 910692750          | TM25568BR00                                |
| LYPARE     | 55834              | TM25568UG00                                |
| LYPARE     | TZ/T/2016/1255     | TM25568TZ00                                |
| LYPARE     | 54998              | TM25568SD00                                |
| LYPARE     | F/T/2016/1794      | TM25568NG00                                |
| LYPARE     | 30774/2016         | TM25568MZ00                                |
| LYPARE     | 91180              | TM25568KE00                                |
| LYPARE     | 404/2016           | TM25568GH00                                |
| LYPARE     | 3201600615         | TM25568OA00                                |
| LYPARE     | 48.323             | TM25568AO00                                |
| LYPARE     | 3195677            | TM25568IN00                                |
| LYPARE     | 1718717            | TM25568MX00                                |
| LYPSTANA   | M16 02493          | TM25574HU00                                |
| LYPSTANA   | 910692246          | TM25574BR00                                |
| LYPSTANA   | 1718711            | TM25574MX00                                |
| LYPSTANA   | [not available]    | TM25574VN00                                |

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| LYPSTANA                     | [not available]    | TM25574SG00                                |
| LYPSTANA SV                  | 911419527          | TM26071BR00                                |
| LYPSTANA SV                  | 1779335            | TM26071MX00                                |
| MACETUX                      | 8586               | TM5238BO05                                 |
| MARFAN                       | 457.489            | TM5265CL00                                 |
| MECURA                       | 30 2008 000 945.4  | TM4349DE00                                 |
| MEGLYDIA                     | 1779339            | TM26061MX00                                |
| MEGLYDIA                     | 40201711209T       | TM26061SG00                                |
| MELANTY                      | 93448              | TM26091KE00                                |
| MELANTY                      | F/T/2016/6622      | TM26091NG00                                |
| MELANTY PLUS                 | 50067              | TM26103AO00                                |
| MELANTY PLUS                 | FTM/7722/2016      | TM26103ET00                                |
| MELANTY PLUS                 | 1465/2016          | TM26103GH00                                |
| MELANTY PLUS                 | 55902              | TM26103SD00                                |
| MELANTY PLUS                 | F/T/2016/9361      | TM26103NG00                                |
| MELITROL                     | 997904             | TM24223IN00                                |
| MELIVANCE                    | 997910             | TM1709IN00                                 |
| MELRANT                      | 910964343          | TM25656BR00                                |
| MELRANT                      | 56710              | TM25656UG00                                |
| MELRANT                      | TZ/T/2016/1249     | TM25656TZ00                                |
| MELRANT                      | 55504              | TM25656SD00                                |
| MELRANT                      | F/T/2016/3797      | TM25656NG00                                |
| MELRANT                      | 31262/2016         | TM25656MZ00                                |
| MELRANT                      | 92060              | TM25656KE00                                |
| MELRANT                      | 831/2016           | TM25656GH00                                |
| MELRANT                      | 3201601369         | TM25656OA00                                |
| MELRANT                      | FTM/7414/2016      | TM25656ET00                                |
| MELRANT                      | 48.938             | TM25656AO00                                |
| MELRANT                      | Z-455709           | TM25656PL00                                |
| MELRANT                      | M16 01439          | TM25656HU00                                |
| MELRANT                      | 1741830            | TM25656MX00                                |
| MEMENTO NF                   | 07063              | TM5291PY05                                 |
| MEMENTO NF                   | 303441             | TM5291UY00                                 |
| MERCEFEX                     | 51957              | TM7753UG00                                 |
| MERCEFEX                     | 3190               | TM7753AF00                                 |
| MERCEPAM                     | 434596             | TM26168PK00                                |
| MERCINA                      | 590290             | TM5304CL00                                 |
| MERCIP                       | 51961              | TM7759UG00                                 |
| MERCIP                       | 3191               | TM7759AF00                                 |
| MERCIP                       | 4/13445/2015       | TM7759MM00                                 |
| MERCK DURA                   | 399 49 298.4       | TM5316DE00                                 |
| GESUNDHEIT-LOGO              |                    |                                            |
| MERCK GENERICS-LOGO 2        | 1997-002444        | TM5328VE05                                 |
| MERCK GENERICS-LOGO          | 5944-97            | TM5330SV05                                 |
| MERCK GENERICS-LOGO 1        | 396086             | TM5331TH05                                 |
| MERCK GENERICS-LOGO 2        | 1997-002443        | TM5332VE05                                 |
| MERCK GENERICS-LOGO 2        | 220/99             | TM5332CU05                                 |
| MERCK GENERICS-LOGO 2        | 4740664            | TM5332CN05                                 |
| MERCK GENERICS-LOGO 5        | 480-2000           | TM3340GT05                                 |
| MERCK GÉNÉRIQUES: C'EST OUI! | 00/3.059.572       | TM5341FR00                                 |
| MERCKFORMIN                  | M9704625           | TM5396HU00                                 |
| MERCKMOVIL                   | 119563             | TM5397PE42                                 |
| METGLYDIA                    | 1779338            | TM26062MX00                                |
| METGLYDIA                    | 20201716320W       | TM26062SG00                                |
| METHIAZOL                    | 2017/93590         | TM26621TR00                                |
| METIASOL                     | 2017/93586         | TM26623TR00                                |
| METIAZOL                     | 2017/93587         | TM26622TR00                                |
| METIGLYM                     | 1779336            | TM26063MX00                                |
| METIGLYM                     | 40201711211P       | TM26063SG00                                |
| METIAZOL                     | 2017/93584         | TM26620TR00                                |

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| METRONIMERCK            | 397 27 361.4       | TM5444DE00                                 |
| MIAVEL                  | 99/809971          | TM5449FR00                                 |
| MIAVEL                  | 300 40 268.6       | TM5449DE00                                 |
| MINART                  | 07114716           | TM4242CO05                                 |
| MINART                  | 332863             | TM4242PE05                                 |
| MINART                  | 2011-0440          | TM24046CU00                                |
| MINART                  | 910144575          | TM4242BR00                                 |
| MINART                  | 1669945            | TM4242MX00                                 |
| MINART                  | 2015-011933        | TM4242CR00                                 |
| MINART                  | IEPI-2015-54232    | TM4242EC00                                 |
| MINART                  | FTM/7909/2016      | TM4242ET00                                 |
| MINART                  | 50.556             | TM4242AO00                                 |
| MINART                  | [not available]    | TM4242UG00                                 |
| MINART                  | [not available]    | TM4242TZ00                                 |
| MINART                  | 56318              | TM4242SD00                                 |
| MINART                  | [not available]    | TM4242NG00                                 |
| MINART                  | MZ/T/32149/2016    | TM4242MZ00                                 |
| MINART                  | 94281              | TM4242KE00                                 |
| MINART                  | [not available]    | TM4242GH00                                 |
| MINART                  | 3201603084         | TM4242OA00                                 |
| MINART                  | 12302.15           | TM4242BZ00                                 |
| MINART                  | 2007-11822         | TM4242CR05                                 |
| MINART                  | 2007-39267         | TM4242DO05                                 |
| MINART                  | E-69800-07         | TM4242SV05                                 |
| MINART                  | 2007-7199          | TM4242GT05                                 |
| MINART                  | 29.505-07          | TM4242HN05                                 |
| MINART                  | 2007-03149         | TM4242NI00                                 |
| MINART                  | 164587             | TM4242PA05                                 |
| MINART                  | 2008-020608        | TM4242VE05                                 |
| MINART 3D<br>VERPACKUNG | 11157913           | TM4242CO00                                 |
| MINART PLUS             | 30765/2016         | TM25556MZ00                                |
| MINART PLUS             | 91144              | TM25556KE00                                |
| MINART PLUS             | 406/2016           | TM25556GH00                                |
| MINART PLUS             | 48.374             | TM25556AO00                                |
| MINART PLUS             | 1717760            | TM25556MX00                                |
| MINART PLUS             | 2017052178         | TM25556MY00                                |
| MINART PLUS             | [not available]    | TM25556SV00                                |
| MINART PLUS             | [not available]    | TM25556PA00                                |
| MINART PLUS             | [not available]    | TM25556HN00                                |
| MINART PLUS             | [not available]    | TM25556NI00                                |
| MINART PLUS             | [not available]    | TM25556CR00                                |
| MINART PLUS             | [not available]    | TM25556GT00                                |
| MINART PLUS             | [not available]    | TM25556VN00                                |
| MINART PLUS             | [not available]    | TM25556TH00                                |
| MINART PLUS             | 40201702158Y       | TM25556SG00                                |
| MINART PLUS             | [not available]    | TM25556PE00                                |
| MINART PLUS             | [not available]    | TM25556EC00                                |
| MINART PLUS             | [not available]    | TM25556CO00                                |
| MINART PLUS             | 1263898            | TM25556CL00                                |
| MINART PLUS             | 4-2016-012400      | TM25556PH00                                |
| MINART PLUS             | 910692050          | TM25556BR00                                |
| MINART PLUS             | 55189              | TM25556UG00                                |
| MINART PLUS             | TZ/T/2016/1248     | TM25556TZ00                                |
| MINART PLUS             | 54993              | TM25556SD00                                |
| MINART PLUS             | [not available]    | TM25556NG00                                |
| MINAX                   | 392740             | TM5479TH05                                 |
| MIOBION                 | 13                 | TM5485CU05                                 |
| MIOBION                 | 123034             | TM5485CL00                                 |
| MIOBION                 | 88/13287           | TM5485PY05                                 |
| MIOBION                 | 814626998          | TM5485BR05                                 |
| MIOBION                 | 51503              | TM5485EC05                                 |
| MIOBION                 | [not available]    | TM5485DO05                                 |
| MIOBION                 | [not available]    | TM5485HT05                                 |
| MIOBION                 | 3582-87            | TM5485HN05                                 |
| MIOBION                 | 8118-98            | TM5485GT05                                 |
| MIOBION                 | 059791             | TM5485PA05                                 |
| MIOCITALGAN             | 821107313          | TM5487BR05                                 |

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| MIO-CITALGAN   | [not available]    | TM5483CR05                                 |
| MIO-CITALGAN   | 2003-60142         | TM5483DO05                                 |
| MIO-CITALGAN   | E-20240            | TM5483SV05                                 |
| MIO-CITALGAN   | 2001-08557         | TM5483GT05                                 |
| MIO-CITALGAN   | 4906               | TM5483HN05                                 |
| MIO-CITALGAN   | 1994/001148        | TM5483NI00                                 |
| MIO-CITALGAN   | 118548-01          | TM5483PA05                                 |
| MIO-CITALGAN   | [not available]    | TM5483HT05                                 |
| MIO-CITALGAN   | 98602              | TM5483BZ05                                 |
| M-MERCK        | 397 27 311.8       | TM5232DE00                                 |
| MODIPERT       | 910691568          | TM25558BR00                                |
| MODIPERT       | 55194              | TM25558UG00                                |
| MODIPERT       | Z-452839           | TM25558PL00                                |
| MODIPERT       | D00-2017-013002    | TM25558ID00                                |
| MODIPERT       | 701436             | TM25558PE00                                |
| MODIPERT       | IEPI-2017-26480    | TM25558EC00                                |
| MODIPERT       | 1250260            | TM25558CL00                                |
| MODIPERT       | 2017056416         | TM25558MY00                                |
| MODIPERT       | TZ/T/2016/1247     | TM25558TZ00                                |
| MODIPERT       | 54995              | TM25558SD00                                |
| MODIPERT       | F/T/2016/1740      | TM25558NG00                                |
| MODIPERT       | 30763/2016         | TM25558MZ00                                |
| MODIPERT       | 91146              | TM25558KE00                                |
| MODIPERT       | 403/2016           | TM25558GH00                                |
| MODIPERT       | 48319              | TM25558AO00                                |
| MODIPERT       | 1717755            | TM25558MX00                                |
| MOFECTO        | 749/2016           | TM25638GH00                                |
| MOFECTO        | 56341              | TM25638UG00                                |
| MOFECTO        | TZ/T/2016/1066     | TM25638TZ00                                |
| MOFECTO        | 311402016          | TM25638MZ00                                |
| MOFECTO        | 48787              | TM25638AO00                                |
| MOFEXIS        | 751/2016           | TM25640GH00                                |
| MOFEXIS        | 56346              | TM25640UG00                                |
| MOFEXIS        | TZ/T/2016/1055     | TM25640TZ00                                |
| MOFEXIS        | 311532016          | TM25640MZ00                                |
| MOFEXIS        | 48790              | TM25640AO00                                |
| MOISTE         | 694709             | TM5504IN00                                 |
| MOKLACIN       | 750/2016           | TM25637GH00                                |
| MOKLACIN       | 48786              | TM25637AO00                                |
| MOKLACIN       | 311412016          | TM25637MZ00                                |
| MOKLACIN       | TZ/T/2016/1067     | TM25637TZ00                                |
| MOKLACIN       | 56344              | TM25637UG00                                |
| MOLGRAMIL      | 503229             | TM2977CN05                                 |
| MORPHIN MERCK  | 301 30 231.6       | TM5514DE00                                 |
| MOVIPRIDE      | 96602              | TM5516BZ05                                 |
| MOVIPRIDE      | [not available]    | TM5516HN05                                 |
| MOVIPRIDE      | 1900-5977005       | TM5516CR05                                 |
| MOVIPRIDE      | 1981/012864        | TM5516NI00                                 |
| MOVIPRIDE      | 64967              | TM5516GT05                                 |
| MOVIPRIDE      | [not available]    | TM5516DO05                                 |
| MOXADYM        | 748/2016           | TM25641GH00                                |
| MOXADYM        | 56347              | TM25641UG00                                |
| MOXADYM        | TZ/T/2016/1065     | TM25641TZ00                                |
| MOXADYM        | 311522016          | TM25641MZ00                                |
| MOXADYM        | 48785              | TM25641AO00                                |
| MUCIMIL        | 1757779            | TM4783IN00                                 |
| MUCOFLUX       | 811807045          | TM5521BR05                                 |
| MUSCHEL-LOGO 1 | 689182             | TM5543WO00                                 |
| MUSCHEL-LOGO 1 | 003421229          | TM5543EU00                                 |
| MUSCHEL-LOGO 1 | 2000/02819         | TM5543IE00                                 |
| MUSCHEL-LOGO 1 | 30473              | TM5543BM05                                 |
| MUSCHEL-LOGO 1 | 29171              | TM5543TT00                                 |
| MUSCHEL-LOGO 1 | 2988682            | TM5543AR05                                 |
| MUSCHEL-LOGO 1 | 16809              | TM5543BO05                                 |
| MUSCHEL-LOGO 1 | 435636             | TM5543CL00                                 |
| MUSCHEL-LOGO 1 | 1999-46            | TM5543CR05                                 |
| MUSCHEL-LOGO 1 | 93193              | TM5543EC05                                 |
| MUSCHEL-LOGO 1 | 615-99             | TM5543SV05                                 |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

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| MUSCHEL-LOGO 1           | 9787               | TM5543GT05                                 |
| MUSCHEL-LOGO 1           | 17130              | TM5543HN05                                 |
| MUSCHEL-LOGO 1           | 98077601           | TM5543CO05                                 |
| MUSCHEL-LOGO 1           | 358994             | TM5543MX05                                 |
| MUSCHEL-LOGO 1           | 01246              | TM5543NI00                                 |
| MUSCHEL-LOGO 1           | 97898              | TM5543PA05                                 |
| MUSCHEL-LOGO 1           | 28985              | TM5543PY05                                 |
| MUSCHEL-LOGO 1           | 075931             | TM5543PE05                                 |
| MUSCHEL-LOGO 1           | 98/22687           | TM5543ZA05                                 |
| MUSCHEL-LOGO 1           | 310767             | TM5543UY00                                 |
| MUSCHEL-LOGO 1           | 6469               | TM5543GZ05                                 |
| MUSCHEL-LOGO 1           | 7363               | TM5543W505                                 |
| MUSCHEL-LOGO 1           | 137216             | TM5543GR00                                 |
| MUSCHEL-LOGO 1           | 20592              | TM5543QA05                                 |
| MUSCHEL-LOGO 1           | 19982              | TM5543OM05                                 |
| MUSCHEL-LOGO 1           | 31336              | TM5543AE05                                 |
| MUSCHEL-LOGO 1           | 792394             | TM5543AU00                                 |
| MUSCHEL-LOGO 1           | 370/2001           | TM5543BH05                                 |
| MUSCHEL-LOGO 1           | 127362             | TM5543IL05                                 |
| MUSCHEL-LOGO 1           | 853219             | TM5543IN00                                 |
| MUSCHEL-LOGO 1           | 49008              | TM5543SA05                                 |
| MUSCHEL-LOGO 1           | T99/04413A         | TM5543SG05                                 |
| MUSCHEL-LOGO 1           | 7473               | TM5543KO00                                 |
| MUSCHEL-LOGO 1           | 401999-22228       | TM5543KR00                                 |
| MUSCHEL-LOGO 1           | 44325              | TM5543KW05                                 |
| MUSCHEL-LOGO 1           | 99/03522           | TM5543MY05                                 |
| MUSCHEL-LOGO 1           | 5367               | TM5543TR00                                 |
| MUSCHEL-LOGO 2           | 003467826          | TM5544EU00                                 |
| MYOACE                   | 111612             | TM5551LK05                                 |
| MYOACE (new application) | [not available]    | TM5551IN01                                 |
| NAFTIMERCK               | 397 27 321.5       | TM5560DE00                                 |
| NEDOLON                  | M47123/5WZ         | TM5603DE00                                 |
| NEFALGIC                 | 1036858            | TM24747WO00                                |
| NEFALGIC                 | 155481             | TM24747SA00                                |
| NEFALGIC                 | 139784             | TM24747AE00                                |
| NEFALGIC                 | 110898             | TM24747KW00                                |
| NEFALGIC                 | 62198              | TM24747QA00                                |
| NEOPROX                  | 3183               | TM7754AF00                                 |
| NEOPROX                  | 193313             | TM7754LK00                                 |
| NETUNAL                  | 303.446            | TM5628UY00                                 |
| NEUGABIN                 | 694608             | TM3311CL00                                 |
| NEUROPENTIN              | 104436             | TM7457BO05                                 |
| NEUROPENTIN              | 130405             | TM7457EC05                                 |
| NEUROPENTIN              | 2003 00418         | TM7457HK00                                 |
| NEUROPENTIN              | 40-2003-1442       | TM7457KR00                                 |
| NEUROPENTIN              | 2003-00411         | TM7457MY05                                 |
| NEUROPENTIN              | 583496             | TM7457MX05                                 |
| NEUROPENTIN              | 2003/00413         | TM7457ZA05                                 |
| NEUROPENTIN              | 2003-000215        | TM7457VE05                                 |
| NIDONIL                  | 4615               | TM7793AF00                                 |
| NIDONIL                  | [not available]    | TM7793MM00                                 |
| NITRENDIMERCK            | 397 22 534.2       | TM5668DE00                                 |
| NITROMERCK               | 397 27 306.1       | TM5671DE00                                 |
| NONJOXIA                 | 302013025754       | TM24711DE00                                |
| NORMOTIL                 | 429694             | TM5687CL00                                 |
| NOSICCA                  | 814402             | TM5689IN00                                 |
| NOVOTHYRAL               | 034631             | TM5709WO00                                 |
| NOVOTHYRAL               | 003290111          | TM5709EU00                                 |
| NOVOTHYRAL               | M41730/5WZ         | TM5709DE00                                 |
| NOVOTHYRAL               | 38                 | TM5709BG00                                 |
| NOVOTHYRAL               | 660.020            | TM5709CL00                                 |
| NOVOTHYRAL               | 42306              | TM5709GR00                                 |
| NOVOTHYRAL               | 9603               | TM5709PE05                                 |
| NOVOTHYRAL               | 70781              | TM5709PL00                                 |
| NOVOTHYRAL               | [not available]    | TM5709BO05                                 |
| NOVOTHYRAL               | 7474               | TM5709KO00                                 |
| NOVOTHYRAL               | 684252             | TM5710WO00                                 |

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| (CYRILLIC)            |                    |                                            |
| NOVOTHYRAL (CYRILLIC) | 97705811           | TM5710RU00                                 |
| NOVOTHYROX            | 77/912,509         | TM9018US00                                 |
| NOVOTIRAL             | 2057-07            | TM5713BO05                                 |
| NOVOTIRAL             | 132752             | TM5713CR05                                 |
| NOVOTIRAL             | 001967             | TM5713SV05                                 |
| NOVOTIRAL             | 160786             | TM5713GT05                                 |
| NOVOTIRAL             | 4610-87            | TM5713HN05                                 |
| NOVOTIRAL             | 92272764           | TM5713CO05                                 |
| NOVOTIRAL             | 69804              | TM5713MX05                                 |
| NOVOTIRAL             | 2012-0022          | TM5713CU00                                 |
| NOVOTIRAL             | 205-000541         | TM5713NI01                                 |
| NOVOTIRAL             | 2014-34367         | TM5713DO00                                 |
| NUPENTIN              | 2003-015353        | TM7710VE05                                 |
| NUTIZYM               | 67-005218          | TM5721VE05                                 |
| NUTRIZIMA             | 757652             | TM5728CL00                                 |
| NUTRIZYM              | 297593             | TM5729WO00                                 |
| NUTRIZYM              | [not available]    | TM5729BO05                                 |
| NUTRIZYM              | 1900-3401505       | TM5729CR05                                 |
| NUTRIZYM              | 497                | TM5729EC05                                 |
| NUTRIZYM              | 930476             | TM5729GB00                                 |
| NUTRIZYM              | 1965-09238         | TM5729GT05                                 |
| NUTRIZYM              | [not available]    | TM5729HN05                                 |
| NUTRIZYM              | 51686              | TM5729LB00                                 |
| NUTRIZYM              | 503225             | TM5729MX05                                 |
| NUTRIZYM              | 1920/015724        | TM5729NI00                                 |
| NUTRIZYM              | 17954              | TM5729PA05                                 |
| NUTRIZYM              | [not available]    | TM5729PY05                                 |
| NUTRIZYM              | [not available]    | TM5729PE05                                 |
| NUTRIZYM              | 326.239            | TM5729UY00                                 |
| NUTRIZYM              | 10017324           | TM5732CO00                                 |
| NUTRIZYM              | 2014-36457         | TM5729DO01                                 |
| NUTRIZYME             | 860/66             | TM5733IE00                                 |
| OLMERAL               | 1527716            | TM4011IN00                                 |
| OLMIGHTY              | 1527715            | TM4012IN00                                 |
| OMELCID               | 3181               | TM7755AF00                                 |
| ONCERB                | 33850              | TM7490KZ00                                 |
| ONCERB                | 3200701850         | TM7490OA00                                 |
| ONCERB                | Z-2001/1020        | TM7490ME05                                 |
| ONCERB                | 20080633.3         | TM7490KG00                                 |
| ONCERB                | 1365/R             | TM7490KO00                                 |
| ONCERB                | 15789              | TM7490PY05                                 |
| ONCERB                | 99655              | TM7490BO05                                 |
| ONCERB                | 20154              | TM7490TA01                                 |
| ONCERB                | 8007144            | TM7490IR00                                 |
| ONCERB                | BAZ0153527A        | TM7490BA00                                 |
| ONCERB                | 41148              | TM7490BM05                                 |
| ONCERB                | IM-040618.26       | TM7490AW00                                 |
| ONCERB                | 2004-0200          | TM7490CU05                                 |
| ONCERB                | 30171              | TM7490YE05                                 |
| ONCERB                | 2005-03176         | TM7490BO0501                               |
| ONCERB                | 5004124            | TM7490CN0501                               |
| ONCERB                | 55996              | TM9025IQ00                                 |
| ONCERB                | 0073               | TM7490AM00                                 |
| ONCERB                | 0074               | TM7490AZ00                                 |
| ONCERB                | 10010229           | TM7490TJ00                                 |
| ONCERB                | MGU 2010 0157      | TM7490UZ00                                 |
| ONCERB                | 567745/03          | TM7490GE00                                 |
| ONCERB                | 2010.0017          | TM7490TM00                                 |
| ONCERB                | 827-H              | TM7490HT0501                               |
| ONCERB                | 2978               | TM7490BQ00                                 |
| ONCERB                | D400114            | TM7490SX00                                 |
| ONCERB                | 024350             | TM7490MD00                                 |
| ONCERB                | 34959              | TM7490TT00                                 |
| ONCERB                | D400114            | TM7490CW00                                 |
| OPOTONICO             | 9867-02            | TM5759HN05                                 |
| OPOTONICO             | E-28269-2002       | TM5759SV05                                 |

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| OPOTONICO        | 1900-1627705       | TM5759CR05                                 |
| OPOTONICO        | [not available]    | TM5759BO05                                 |
| OPOTONICO        | 7483-98            | TM5759GT05                                 |
| OPOTONICO        | [not available]    | TM5759HT05                                 |
| OPOTONICO        | 1910/003259        | TM5759NI00                                 |
| OPOTONICO        | 064202             | TM5759PA05                                 |
| OPOTONICO-LOGO 1 | [not available]    | TM5760DO05                                 |
| OPTIFAM          | 3182               | TM7756AF00                                 |
| OPTIMAX          | 933139             | TM5767GB00                                 |
| OPTIMAX          | 80001B             | TM5767IE00                                 |
| OREZA            | 302008001432.6/05  | TM4420DE00                                 |
| ORHEPTAL         | 147073             | TM5780IN02                                 |
| OSTEOCAPS        | 832907             | TM5795CL00                                 |
| OSTEOCAPS        | SM-1822-04         | TM5795BO05                                 |
| OSTEOCITON       | 42126              | TM5798EC05                                 |
| OSTEOCITON       | 843683             | TM5798CL00                                 |
| OSTEOMIN         | 109.288            | TM5805CL00                                 |
| OXTIN            | 143636             | TM8652EC05                                 |
| OXTIN            | 2004-005343        | TM8652VE05                                 |
| PACTENS          | 79425              | TM5827GR00                                 |
| PACTENS          | 69012              | TM5827MX05                                 |
| PANBALYN         | 4-2016-015204      | TM26180PH00                                |
| PANBALYN         | 2017-0060988       | TM26180CO00                                |
| PANBALYN         | 1266303            | TM26180CL00                                |
| PAXPAR           | 47002              | TM25335AO00                                |
| PCAM             | 3185               | TM7757AF00                                 |
| PCAM             | 193315             | TM7757LK00                                 |
| PECTANOR         | 910692378          | TM25564BR00                                |
| PECTANOR         | M16 00603          | TM25564HU00                                |
| PECTRANA         | M16 00606          | TM25566HU00                                |
| PECTRANA         | 910692572          | TM25567BR00                                |
| PECTRANA         | 2017052156         | TM25567MY00                                |
| PECTRANA         | [not available]    | TM25567SV00                                |
| PECTRANA         | [not available]    | TM25567PA00                                |
| PECTRANA         | [not available]    | TM25567HN00                                |
| PECTRANA         | [not available]    | TM25567NI00                                |
| PECTRANA         | [not available]    | TM25567CR00                                |
| PECTRANA         | [not available]    | TM25567GT00                                |
| PECTRANA         | [not available]    | TM25567VN00                                |
| PECTRANA         | [not available]    | TM25567TH00                                |
| PECTRANA         | 40201702322Q       | TM25567SG00                                |
| PECTRANA         | [not available]    | TM25567PE00                                |
| PECTRANA         | [not available]    | TM25567EC00                                |
| PECTRANA         | [not available]    | TM25567CO00                                |
| PECTRANA         | [not available]    | TM25567CL00                                |
| PEPCEREL         | 4-2016-504031      | TM26110PH00                                |
| PEPCEREL         | 4-2017-09723       | TM26110VN00                                |
| PEPCEREL         | 40201706838Q       | TM26110SG00                                |
| PEPDUMERCK       | 397 27 351.7       | TM5871DE00                                 |
| PERDIN           | 47.003             | TM25336AO00                                |
| PERIZOL          | 2017/93591         | TM26624TR00                                |
| PERPHALIN        | 4-2016-015205      | TM26181PH00                                |
| PINERCA          | 302008001433.4/05  | TM4421DE00                                 |
| PIOVANCE         | 2881853            | TM4784AR05                                 |
| PIOVANCE         | 399 696            | TM4784UY00                                 |
| PLENAX           | 816574936          | TM5904BR05                                 |
| PLIAZON          | 1009756            | TM7689WO01                                 |
| PLIAZON          | 2009-0002214       | TM7689CR05                                 |
| PLIAZON          | 2009-6403          | TM7689DO0501                               |
| PLIAZON          | 726100             | TM7689TH0501                               |
| PLIAZON          | 303 53 598.9       | TM7689DE01                                 |
| PLIAZON          | 27002              | TM7689BS05                                 |
| PLIAZON          | 41291              | TM7689BM05                                 |
| PLIAZON          | 007792             | TM7689BO0501                               |
| PLIAZON          | 655341             | TM7689CL00                                 |
| PLIAZON          | 2004-66028         | TM7689DO0502                               |
| PLIAZON          | 147907             | TM7689EC05                                 |
| PLIAZON          | 9551               | TM7689GZ05                                 |

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| PLIAZON           | 99316              | TM7689LB00                                 |
| PLIAZON           | 10759              | TM7689W505                                 |
| PLIAZON           | 22839              | TM7689SR01                                 |
| PLIAZON           | 116278             | TM7689KW00                                 |
| PLIAZON           | 132504             | TM7689LB01                                 |
| PLIAZON           | 2010/27900         | TM7689ZA0501                               |
| PLIAZON           | 65039              | TM7689QA00                                 |
| PLIAZON           | 30 2010 069 287.1  | TM7689DE02                                 |
| PLIAZON           | 830882375          | TM7689BR0501                               |
| PLIAZON           | 830882340          | TM7689BR03                                 |
| PLIAZON           | 790704             | TM7689TH0503                               |
| PLIAZON           | 790703             | TM7689TH03                                 |
| PLIAZON           | 301780650          | TM7689HK03                                 |
| PLIAZON           | 49350              | TM7689TT02                                 |
| PLIAZON           | 70812              | TM7689IQ00                                 |
| PLIAZON           | 139450140001034605 | TM7689IR02                                 |
| PLIAZON           | N/124301           | TM7689MO05                                 |
| PLIAZON           | 463443             | TM7689PK0501                               |
| PLIAZON           | 87328235           | TM7689US00                                 |
| PLIAZON           | 42016002718        | TM7689PH06                                 |
| PLIAZON           | 302009015825.8     | TM7689DE00                                 |
| PLIAZON           | 2009-01689         | TM7689GT05                                 |
| PLIAZON           | 1796494            | TM7689IN00                                 |
| PLIAZON           | 1003865            | TM7689MX00                                 |
| PLIAZON           | 02936-2010         | TM7689BO0502                               |
| PLIAZON           | 10 081315          | TM7689CO0501                               |
| PLIAZON           | 56336              | TM7689JM02                                 |
| PLIAZON           | 26565/2010         | TM7689PY0501                               |
| PLIAZON           | 2010012034         | TM7689MY0501                               |
| PLIAZON           | TN/E/2011/01768    | TM7689TN01                                 |
| PLIAZON           | 826730             | TM7689NZ02                                 |
| PLIAZON           | 3015832            | TM7689AR0501                               |
| PLIAZON           | 099032406          | TM7689TW02                                 |
| PLIAZON           | 301655785          | TM7689HK02                                 |
| PLIAZON           | 2010-002626        | TM7689NI02                                 |
| PLIAZON           | 41260              | TM7689BN01                                 |
| PLIAZON           | 42434              | TM7689TT01                                 |
| PLIAZON           | 2010-010797        | TM7689VE0502                               |
| PLIAZON (CHINESE) | 101004236          | TM10060TW00                                |
| PLIAZON (CHINESE) | 14280801           | TM7689CN05                                 |
| PLIAZON (CHINESE) | 14290490           | TM7689CN03                                 |
| PLIAZON-LOGO      | 947633             | TM4248WO00                                 |
| PLIAZON-LOGO      | 87062582           | TM4248IR00                                 |
| PLIAZON-LOGO      | KSM20086610        | TM4248KO00                                 |
| PLIAZON-LOGO      | 142025             | TM4248SA05                                 |
| PLIAZON-LOGO      | E-92204-2009       | TM4248SV05                                 |
| PLIAZON-LOGO      | 127223             | TM4248AE05                                 |
| PLIAZON-LOGO      | 188492             | TM4248EC05                                 |
| PLIAZON-LOGO      | 47000              | TM4248YE05                                 |
| PLIAZON-LOGO 3    | 106207             | TM4877JO05                                 |
| PLIAZON-LOGO 3    | 385446             | TM4877PE05                                 |
| PLUSCOR           | 563289             | TM5906WO00                                 |
| PLUSCOR           | 1501690            | TM5906GB00                                 |
| POLIXION          | 398054             | TM5907MX05                                 |
| PRALINDIA         | 2017-0060983       | TM26419CO00                                |
| PRALINDIA         | 715791             | TM26420PE00                                |
| PRALINDIA         | 1266315            | TM26419CL00                                |
| PRAMITONIN        | 827343973          | TM3072BR05                                 |
| PREGULOR          | 58446              | TM26065UG00                                |
| PREGULOR          | 32473/2016         | TM26065MZ00                                |
| PREGULOR          | [not available]    | TM26065TZ00                                |
| PREGULOR          | 50898              | TM26065AO00                                |
| PREGULOR          | 3201603520         | TM26065OA00                                |
| PREGULOR          | 56551              | TM26065SD00                                |
| PREGULOR          | FTM/8080/2016      | TM26065ET00                                |
| PREGULOR          | [not available]    | TM26065GH00                                |
| PREGULOR          | 94860              | TM26065KE00                                |
| PREGULOR          | F/T/2016/10141     | TM26065NG00                                |

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| Trademark        | Application number | Case number according to internal database |
|------------------|--------------------|--------------------------------------------|
| PREGULOR         | 705953             | TM26065PE00                                |
| PREGULOR         | [not available]    | TM26065CO00                                |
| PREGULOR         | 4-2017-16510       | TM26065VN00                                |
| PREGULOR         | 40201711230Q       | TM26065SG00                                |
| PREGULOR         | M16 02495          | TM26065HU00                                |
| PREGULOR         | D00-2016-037740    | TM26065ID00                                |
| PRENEURIN        | D002015004989      | TM25172ID00                                |
| PRENEURIN        | 4-2016-502619      | TM25172PH00                                |
| PRENEURIN        | SM-05181-2015      | TM25172BO00                                |
| PRENEURIN        | [not available]    | TM25172HN00                                |
| PRENEURIN        | [not available]    | TM25172NI00                                |
| PRENEURIN        | [not available]    | TM25172CO00                                |
| PRENEURIN        | IEPI-2015-44242    | TM25172EC00                                |
| PRENEURIN        | [not available]    | TM25172VE00                                |
| PRENEURIN        | 469082             | TM25172UY00                                |
| PRENEURIN        | 637465             | TM25172PE00                                |
| PRENEURIN        | 1669946            | TM25172MX00                                |
| PRENEURIN        | E-147391/15        | TM25172SV00                                |
| PRENEURIN        | 245401             | TM25172PA00                                |
| PRENEURIN        | F/TM/0/2015/69619  | TM25172NG00                                |
| PRENEURIN        | 40201702144R       | TM25172SG00                                |
| PRENEURIN        | 4-2017-02517       | TM25172VN00                                |
| PRENEURIN        | 2017052173         | TM25172MY00                                |
| PRENEURIN        | 58449              | TM25172UG00                                |
| PRENEURIN        | 32303/2016         | TM25172MZ00                                |
| PRENEURIN        | [not available]    | TM25172TZ00                                |
| PRENEURIN        | 3201603314         | TM25172OA00                                |
| PRENEURIN        | 56463              | TM25172SD00                                |
| PRENEURIN        | FTM/8020/2016      | TM25172ET00                                |
| PRENEURIN        | [not available]    | TM25172GH00                                |
| PRENEURIN        | 94562              | TM25172KE00                                |
| PRENEURIN        | 50800              | TM25172AO00                                |
| PRENEURIN        | M15 00171          | TM25172HU00                                |
| PRENURO          | 4-2016-015203      | TM26064PH00                                |
| PRENURO          | [not available]    | TM26064UG00                                |
| PRENURO          | 32471/2016         | TM26064MZ00                                |
| PRENURO          | [not available]    | TM26064TZ00                                |
| PRENURO          | 51.027             | TM26064AO00                                |
| PRENURO          | 3201603518         | TM26064OA00                                |
| PRENURO          | 56550              | TM26064SD00                                |
| PRENURO          | FTM/8081/2016      | TM26064ET00                                |
| PRENURO          | [not available]    | TM26064GH00                                |
| PRENURO          | 94859              | TM26064KE00                                |
| PRENURO          | F/T/2016/10142     | TM26064NG00                                |
| PRENURO          | 705954             | TM26064PE00                                |
| PRENURO          | 40201711224X       | TM26064SG00                                |
| PRENURO          | M16 02494          | TM26064HU00                                |
| PRENURO          | D00-2016-037754    | TM26064ID00                                |
| PREVIX           | 6458-1997          | TM5942HN05                                 |
| PREVIX           | 11747-97           | TM5942VE05                                 |
| PRICK & PITCH    | 003287431          | TM7599EU00                                 |
| PROBIOTRANSIT    | 740.012            | TM3825CL00                                 |
| PROMESFEM        | 840354665          | TM24742BR00                                |
| PROTRANSIT       | 740.011            | TM3828CL00                                 |
| PSIQUIAL         | 96023601           | TM5969CO05                                 |
| PSIQUIAL         | 963498             | TM5969VE05                                 |
| PSIQUIAL         | [not available]    | TM5969BR05                                 |
| PSIQUIAL         | 762289             | TM5969CL00                                 |
| PYOKTANIN        | M126/5WZ           | TM5980DE00                                 |
| QUALITY AFORMEDS | 4-2008-014296      | TM4804PH00                                 |
| RANULCID         | 4/13444/2015       | TM7758MM00                                 |
| RANULCID         | 3184               | TM7758AF00                                 |
| RAVAMIL          | 95/15821           | TM6009ZA05                                 |
| RECLUD           | 302008001437.7/05  | TM4427DE00                                 |
| RECUPEROL        | 590.871            | TM6014CL00                                 |
| REDITOX          | 1,061,679          | TM9021MX05                                 |
| REFOBACIN        | 287043             | TM6024WO00                                 |

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| REFOBACIN          | 287043A            | TM6024WO01                                 |
| REFOBACIN          | 303 Reg. 151       | TM6024HT05                                 |
| REFOBACIN          | 48,024             | TM6024JM00                                 |
| REFOBACIN          | 1430083            | TM6024IN00                                 |
| REFOBACIN          | 719.127            | TM6024CL00                                 |
| REFOBACIN          | 2006-0001007       | TM6024CR05                                 |
| REFOBACIN          | 140                | TM6024AF00                                 |
| REFOBACIN          | 63513              | TM6024IL05                                 |
| REFOBACIN          | 168389             | TM6024PE05                                 |
| REFOBACIN          | 97/00444           | TM6024LS00                                 |
| REFOBACIN          | 2113               | TM6024BO05                                 |
| REFOBACIN          | EE040799           | TM6024TN00                                 |
| REFOBACIN          | M20005/5WZ         | TM6024DE00                                 |
| REFOBACIN          | 92160599           | TM6024CO05                                 |
| REFOBACIN          | 17358              | TM6024CY05                                 |
| REFOBACIN          | [not available]    | TM6024DO05                                 |
| REFOBACIN          | 1155               | TM6024EC05                                 |
| REFOBACIN          | 350-77             | TM6024SV05                                 |
| REFOBACIN          | 762895             | TM6024NO00                                 |
| REFOBACIN          | 64862              | TM6024PK05                                 |
| REFOBACIN          | 63/53              | TM6024SA05                                 |
| REFOBACIN          | 76-5085            | TM6024SE00                                 |
| REFOBACIN          | 78/568             | TM6024NA05                                 |
| REFOBACIN          | 319149             | TM6024TH05                                 |
| REFOBACIN          | 64522              | TM6024LB00                                 |
| REFOBACIN          | 006683320          | TM6024BR05                                 |
| REFOBACIN          | 068019924          | TM6024TW00                                 |
| REFOBACIN          | 1118951            | TM6024GB00                                 |
| REFOBACIN          | 2759/76            | TM6024IE00                                 |
| REFOBACIN          | 6076               | TM6024PY05                                 |
| REFOBACIN          | 69523              | TM6024GR00                                 |
| REFOBACIN          | 13207              | TM6024BD05                                 |
| REFOBACIN (KOREAN) | 89-30105           | TM6025KR00                                 |
| REFOBACIN (URDU)   | 111053             | TM6024PK0501                               |
| RELEMPRIS          | 1718719            | TM25576MX00                                |
| RELEMPRIS          | D00-2017-013004    | TM25576ID00                                |
| RELEMPRIS          | 701434             | TM25576PE00                                |
| RELEMPRIS          | IEPI-2017-26465    | TM25576EC00                                |
| RELEMPRIS          | 1250255            | TM25576CL00                                |
| RELEMPRIS          | 2017056419         | TM25576MY00                                |
| RELEMPRIS          | 4-2016-012397      | TM25576PH00                                |
| RELEMPRIS          | 910692432          | TM25576BR00                                |
| RELEMPRIS          | Z-452842           | TM25576PL00                                |
| RELEMPRIS AM       | 4-2016-012398      | TM25576PH01                                |
| RELEZIM            | M16 02497          | TM25572HU00                                |
| RELEZIM            | 910692610          | TM25572BR00                                |
| RELEZIM            | 1718713            | TM25572MX00                                |
| RELEZIM            | [not available]    | TM25572VN00                                |
| RELEZIM            | [not available]    | TM25572SG00                                |
| RELEZIM SV         | 911419799          | TM26070BR00                                |
| RELEZIM SV         | 1779334            | TM26070MX00                                |
| RELIDA             | 30 2008 000 950.0  | TM4355DE00                                 |
| RELIVIO            | 30 2008 000 952.7  | TM4357DE00                                 |
| RELIXIM            | 496/2016           | TM25605GH00                                |
| RELIXIM            | 55060              | TM25605SD00                                |
| RELIXIM            | F/T/2016/2341      | TM25605NG00                                |
| RELPRESTA          | D00-2017-013006    | TM25575ID00                                |
| RELPRESTA          | 701435             | TM25575PE00                                |
| RELPRESTA          | IEPI-2017-26495    | TM25575EC00                                |
| RELPRESTA          | 1250256            | TM25575CL00                                |
| RELPRESTA          | 2017056425         | TM25575MY00                                |
| RELPRESTA          | 4-2016-012402      | TM25575PH00                                |
| RELPRESTA          | 910692300          | TM25575BR00                                |
| RELPRESTA          | Z.452843           | TM25575PL00                                |
| RELPRESTA          | 1718718            | TM25575MX00                                |
| RELPRESTA AM       | 4-2016-012396      | TM25575PH01                                |
| RELPRESTA HCT      | 3433535            | TM25575IN00                                |

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| REL RIVA      | Z-453173           | TM25599PL00                                |
| REL RIVA      | M16 00773          | TM25599HU00                                |
| REL RIVA      | 1721739            | TM25599MX00                                |
| REL RIVA      | 912239166          | TM25599BR01                                |
| REPRODIN      | 78/5936            | TM6043ZA05                                 |
| REVELODY      | 910692327          | TM25578BR00                                |
| REVELODY      | 55827              | TM25578UG00                                |
| REVELODY      | TZ/T/2016/1246     | TM25578TZ00                                |
| REVELODY      | 55011              | TM25578SD00                                |
| REVELODY      | F/T/2016/1793      | TM25578NG00                                |
| REVELODY      | 30782/2016         | TM25578MZ00                                |
| REVELODY      | 91184              | TM25578KE00                                |
| REVELODY      | 399/2016           | TM25578GH00                                |
| REVELODY      | 3201600631         | TM25578OA00                                |
| REVELODY      | 48317              | TM25578AO00                                |
| REVELODY      | Z-452837           | TM25578PL00                                |
| REVELODY      | M1600643           | TM25578HU00                                |
| REVELODY      | 3197477            | TM25578IN00                                |
| REVELODY      | 1718722            | TM25578MX00                                |
| RISONO        | 302008001435.0/05  | TM4423DE00                                 |
| RIVCARA       | Z-453166           | TM25595PL00                                |
| RIVCARA       | M16 00775          | TM25595HU00                                |
| RIVCARA       | 1721735            | TM25595MX00                                |
| RIVCARA       | 912239077          | TM25595BR01                                |
| ROMBIDUX      | Z-453164           | TM25594PL00                                |
| ROMBIDUX      | M16 00771          | TM25594HU00                                |
| ROMBIDUX      | 1721734            | TM25594MX00                                |
| ROMBIDUX      | 912239026          | TM25594BR01                                |
| ROMRIVA       | 910740798          | TM25598BR00                                |
| ROMRIVA       | Z-453172           | TM25598PL00                                |
| ROMRIVA       | M16 00774          | TM25598HU00                                |
| ROMRIVA       | 1721738            | TM25598MX00                                |
| ROMRIVA       | 4-2016-00015644    | TM25598PH00                                |
| ROXEL         | 16571-96           | TM6089VE05                                 |
| ROXEL         | 67333              | TM6089CO05                                 |
| ROXFLAN       | 819300918          | TM6090BR05                                 |
| ROXFLAN       | 587.751            | TM6090CL01                                 |
| ROXFLAN       | 2002-169176        | TM6090DO0501                               |
| ROXIMERCK     | 397 27 315.0       | TM6094DE00                                 |
| RULZARA       | 4-2017-09724       | TM26265VN00                                |
| RULZARA       | 40201706844R       | TM26266SG00                                |
| SALENTERYL    | 704.981            | TM3438CL00                                 |
| SALENTERYL    | 2005-0007584       | TM3438CR05                                 |
| SALENTERYL    | 2005-0583          | TM3438CU05                                 |
| SALENTERYL    | 2005-65324         | TM3438DO05                                 |
| SALENTERYL    | E-52627-2005       | TM3438SV05                                 |
| SALENTERYL    | 2005-07246         | TM3438GT05                                 |
| SALENTERYL    | 26.244-05          | TM3438HN05                                 |
| SALENTERYL    | 2005-03181         | TM3438NI00                                 |
| SALENTERYL    | 146035             | TM3438PA05                                 |
| SALENTERYL    | 2005-021485        | TM3438VE05                                 |
| SALERCO       | 302008001428.8/05  | TM4417DE00                                 |
| SALUBION      | 551561             | TM6121CL00                                 |
| SALUBION      | 551562             | TM6121CL01                                 |
| SALUBION      | 407319             | TM6121CL02                                 |
| SALUBION      | 212518             | TM6121PE05                                 |
| SALUBION      | 1956-002777        | TM6121VE05                                 |
| SALUBION-LOGO | 568971             | TM7174CL00                                 |
| SALVARA       | 307 45 756.7/05    | TM4166DE00                                 |
| SALVARA       | SM-4803-07         | TM4166BO05                                 |
| SALVARA       | 2007-024919        | TM4166VE05                                 |
| SALVARA       | 328099             | TM4166PE05                                 |
| SALVARA       | 385.195            | TM4166UY00                                 |
| SALVARA       | 787.706            | TM4166CL00                                 |
| SALVARA       | 188942             | TM4166EC05                                 |
| SALVARA       | 881556             | TM4166MX05                                 |
| SALVARA       | D00-2016-031143    | TM4166ID00                                 |
| SALVARA       | 4-2016-013385      | TM4166PH00                                 |

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|---------------|--------------------|--------------------------------------------|
| SALVARA       | 4-2017-20629       | TM4166VN00                                 |
| SALVARA       | [not available]    | TM4166VE00                                 |
| SALVARA       | 15136912           | TM4166CO00                                 |
| SALVARA       | 829359320          | TM4166BR05                                 |
| SALVARA       | [not available]    | TM4166MY00                                 |
| SALVARA AMLO  | 572407             | TM24746PE00                                |
| SALVARA AMLO  | 2013-52667         | TM24746EC00                                |
| SALVARA AMLO  | 1087300            | TM24746CL00                                |
| SALVARA AMLO  | 14 016657          | TM24746CO00                                |
| SALVARA AMLO  | 1442815            | TM24746MX00                                |
| SALVARA AMLO  | 2014-001442        | TM24746VE00                                |
| SALVARA HCT   | 1087298            | TM24850CL00                                |
| SALVARA HCT   | 2013-52665         | TM24850EC00                                |
| SALVARA HCT   | 1442816            | TM24850MX00                                |
| SALVARA HCT   | 2014-001441        | TM24850VE00                                |
| SALVARA HCT   | 15136907           | TM24850CO00                                |
| SAQUINOX      | 823500683          | TM6135BR05                                 |
| SARTAVANCE    | 07114722           | TM4295CO05                                 |
| SARTAVANCE    | 2007-0013356       | TM4295CR05                                 |
| SARTAVANCE    | 2007-39471         | TM4295DO05                                 |
| SARTAVANCE    | E-71261-07         | TM4295SV05                                 |
| SARTAVANCE    | 2007-8928          | TM4295GT05                                 |
| SARTAVANCE    | 2007-035230        | TM4295HN05                                 |
| SARTAVANCE    | 2007-03765         | TM4295NI00                                 |
| SARTAVANCE    | 166973             | TM4295PA05                                 |
| SARTAVANCE    | 332862             | TM4295PE05                                 |
| SEDALITO      | 245040             | TM6160MX05                                 |
| SELEMERCK     | 397 22 533.4       | TM6173DE00                                 |
| SENI          | 16097574           | TM25627CO00                                |
| SENI READER   | 16097557           | TM25629CO00                                |
| SENI-TSH      | [not available]    | TM25504CO00                                |
| SENI-TSH KIT  | 16097564           | TM25628CO00                                |
| SENSA-TSH     | [not available]    | TM25503CO00                                |
| SERPAX        | 46.892             | TM25345AO00                                |
| SERRISE       | 827359845          | TM3193BR05                                 |
| SERTRALOXY    | 827239017          | TM3041BR05                                 |
| SERTROX       | 229887             | TM2958PE05                                 |
| SEVENELLE     | 751132             | TM6198WO00                                 |
| SEVENELLE     | 751132             | TM6198WO00                                 |
| SEVENELLE     | 679                | TM6198BO05                                 |
| SEVENELLE     | 1004421            | TM6198CO05                                 |
| SEVENELLE     | 2001-770           | TM6198CR05                                 |
| SEVENELLE     | 469                | TM6198GT05                                 |
| SEVENELLE     | 291                | TM6198HN05                                 |
| SEVENELLE     | 477901             | TM6198MX05                                 |
| SEVENELLE     | 2001-00407         | TM6198NI00                                 |
| SEVENELLE     | 112686             | TM6198PA05                                 |
| SEVENELLE     | 1036               | TM6198PY05                                 |
| SEVENELLE     | 121866             | TM6198PE05                                 |
| SEVENELLE     | 329091             | TM6198UY00                                 |
| SEVENELLE     | [not available]    | TM6198AD00                                 |
| SEVENELLE     | 33181              | TM6198MT05                                 |
| SEVENELLE     | [not available]    | TM6198IE00                                 |
| SEVENELLE     | 59309              | TM6198CY05                                 |
| SEVENELLE     | 99/809970          | TM6198FR00                                 |
| SEVENELLE     | 300 40 265.1       | TM6198DE00                                 |
| SEVENELLE     | 7472               | TM6198KO00                                 |
| SEVENELLE     | 682-01             | TM6198VE05                                 |
| SIMALART      | 93449              | TM26092KE00                                |
| SIMALART      | F/T/2016/6623      | TM26092NG00                                |
| SIMALART PLUS | 50070              | TM26104AO00                                |
| SIMALART PLUS | FTM/7720/2016      | TM26104ET00                                |
| SIMALART PLUS | 1466/2016          | TM26104GH00                                |
| SIMALART PLUS | 55903              | TM26104SD00                                |
| SIMALART PLUS | F/T/2016/9362      | TM26104NG00                                |
| SIMVAMERCK    | 397 27 354.1       | TM6219DE00                                 |
| SINTAVERIN    | 98802              | TM6228BZ05                                 |
| SINTAVERIN    | 1900-4817905       | TM6228CR05                                 |

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| SINTAVERIN               | [not available]    | TM6228HT05                                 |
| SINTAVERIN               | [not available]    | TM6228HN05                                 |
| SINTAVERIN               | 1973/000534        | TM6228NI00                                 |
| SINTAVERIN               | 073828             | TM6228PA05                                 |
| SINTAVERIN               | 720-81             | TM6228SV05                                 |
| SINTAVERIN               | [not available]    | TM6228DO05                                 |
| SINTAVERIN               | 5418-94            | TM6228GT05                                 |
| SISTALCIN                | 7.282-89           | TM6239VE05                                 |
| SISTALGIN                | [not available]    | TM6240BO05                                 |
| SISTALGIN                | 653                | TM6240EC05                                 |
| SISTALGIN                | 57243              | TM6240PK05                                 |
| SISTALGINA               | 97054572           | TM6241CO05                                 |
| SISTALGINA               | 130                | TM6241EC05                                 |
| SISTALGINA               | 201318             | TM6241PE05                                 |
| SLOZEM                   | 1512763            | TM6248GB00                                 |
| SOLOCARD                 | 47442              | TM6254CL00                                 |
| SOLOCARD                 | 3431-98            | TM6254SV05                                 |
| SOLU-DACORTINA           | 241414             | TM6263PT00                                 |
| SOLU-DECORTIN            | 820571             | TM6265WO00                                 |
| SOLU-DECORTIN            | 2253/91            | TM6265HU00                                 |
| SOLU-DECORTIN            | Z-99558            | TM6265PL00                                 |
| SOLU-DECORTIN            | M52657/5WZ         | TM6265DE00                                 |
| SOLU-DECORTIN (CYRILLIC) | 683379             | TM6266WO00                                 |
| SOTALOMERCK              | 397 23 719.7       | TM6285DE00                                 |
| STARVIO                  | 302008001431.8/05  | TM4419DE00                                 |
| STODIA                   | 011062973          | TM6316EU01                                 |
| STODIA                   | 1131715            | TM6316WO01                                 |
| STODIA                   | 1131715            | TM6316WO01                                 |
| STODIA                   | 301 41 681.8       | TM6316DE00                                 |
| STODIA                   | 148494             | TM6316PE05                                 |
| STODIA                   | 541749             | TM6316MX05                                 |
| STODIA                   | 156144             | TM6316IL05                                 |
| STODIA                   | E-24507            | TM6316SV05                                 |
| STODIA                   | [not available]    | TM6316HT05                                 |
| STODIA                   | 3179547            | TM6316AR00                                 |
| STODIA                   | SM-03900-2012      | TM6316BO00                                 |
| STODIA                   | 840208367          | TM6316BR00                                 |
| STODIA                   | 1017883            | TM6316CL01                                 |
| STODIA                   | 12129602           | TM6316CO00                                 |
| STODIA                   | 2012-6925          | TM6316CR00                                 |
| STODIA                   | 2012-19415         | TM6316DO00                                 |
| STODIA                   | [not available]    | TM6316GT00                                 |
| STODIA                   | 24954/2012         | TM6316HN00                                 |
| STODIA                   | 302324808          | TM6316HK01                                 |
| STODIA                   | 2369020            | TM6316IN01                                 |
| STODIA                   | D00-2012-038925    | TM6316ID00                                 |
| STODIA                   | [not available]    | TM6316JO00                                 |
| STODIA                   | 132231             | TM6316KW00                                 |
| STODIA                   | 144646             | TM6316LB01                                 |
| STODIA                   | 2012012611         | TM6316MY00                                 |
| STODIA                   | 962569             | TM6316NZ01                                 |
| STODIA                   | 2012-003924        | TM6316NI01                                 |
| STODIA                   | 214838             | TM6316PA00                                 |
| STODIA                   | 4-2012-009051      | TM6316PH01                                 |
| STODIA                   | 184841             | TM6316SA00                                 |
| STODIA                   | 2012/19897         | TM6316ZA00                                 |
| STODIA                   | 101041646          | TM6316TW01                                 |
| STODIA                   | 857332             | TM6316TH00                                 |
| STODIA                   | 177348             | TM6316AE00                                 |
| STODIA                   | 438232             | TM6316UY01                                 |
| STODIA                   | 2012-016715        | TM6316VE00                                 |
| STODIA                   | 26422              | TM6316LY00                                 |
| STODIA                   | 122505             | TM6316DZ00                                 |
| STODIA (old application) | 780422             | TM6316WO00                                 |
| STODIA (old application) | 003288321          | TM6316EU00                                 |

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| STODIA (old application) | 34658              | TM6316BN00                                 |
| STODIA (old application) | 2002 04371         | TM6316HK00                                 |
| STODIA (old application) | 1091242            | TM6316IN00                                 |
| STODIA (old application) | 338891             | TM6316UY00                                 |
| STODIA (old application) | 562503             | TM6316CL00                                 |
| STODIA (old application) | 3221               | TM6316BO05                                 |
| STODIA (old application) | R00-2012-003124    | TM6316ID05                                 |
| STODIA (old application) | 66440              | TM6316JO05                                 |
| STODIA (old application) | 54214              | TM6316KW05                                 |
| STODIA (old application) | 2002-03336         | TM6316MY05                                 |
| STODIA (old application) | 654736             | TM6316NZ00                                 |
| STODIA (old application) | 176933             | TM6316PK05                                 |
| STODIA (old application) | 2002/04270         | TM6316ZA05                                 |
| STODIA (old application) | 90-24-124897       | TM6316SY00                                 |
| STODIA (old application) | 91011575           | TM6316TW00                                 |
| STODIA (old application) | 484496             | TM6316TH05                                 |
| STODIA (old application) | 46968              | TM6316AE05                                 |
| STODIA (old application) | 122387             | TM6316EC05                                 |
| STODIA (old application) | 2002-2764          | TM6316CR05                                 |
| STODIA (old application) | 2003-105383        | TM6316DO05                                 |
| STODIA (old application) | 02624              | TM6316GT05                                 |
| STODIA (old application) | 5699-02            | TM6316HN05                                 |
| STODIA (old application) | 000922             | TM6316NI00                                 |
| STODIA (old application) | 120872-01          | TM6316PA05                                 |
| STODIA (old application) | 04567              | TM6316VE05                                 |
| STODIA-LOGO              | E-120365-2012      | TM6316SV00                                 |
| STODIA-LOGO              | 1295923            | TM6316MX00                                 |
| STODIA-LOGO              | 502223             | TM6316PE00                                 |
| STODIA-LOGO              | 2013-36665         | TM6316EC01                                 |
| SUPRACORTINA             | [not available]    | TM6347DO05                                 |
| SUPRAMYCIN               | 3186               | TM6352AF00                                 |
| SUPRATHYROX              | M47029/5WZ         | TM6360DE00                                 |
| SUPRATIROX               | MI2012C000440      | TM7164IT00                                 |
| SYSTABON                 | 4-2001-02234       | TM6376VN00                                 |
| TALIUS                   | 302008001434.2/05  | TM4422DE00                                 |
| TALIVA                   | 30 2008 000 944.6  | TM4347DE00                                 |
| TARLIV                   | 308328             | TM4004PE05                                 |
| TARLIV                   | 183424             | TM4004EC05                                 |
| TENOCOR                  | 392733             | TM6401TH05                                 |
| TENSIOMOVIL              | 122719             | TM6402PE42                                 |
| TENSOMOVIL               | 122718             | TM6405PE42                                 |
| THIAMAROX                | 083553135          | TM4433FR00                                 |
| THIAMAXEN                | 083553140          | TM4432FR00                                 |
| THIAZOL                  | 04-2017-010579     | TM26403PH00                                |



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| THIOBION          | 425.098                | TM4311PT00                                 |
| THROMBO AS        | 548.295                | TM6427CL00                                 |
| THROMBO ASP       | 213140                 | TM1794PE05                                 |
| THROMBO ASS       | 087446                 | TM6428PE05                                 |
| THROMBO ASS       | 375389                 | TM6428CL00                                 |
| THROMBO ASS       | 63356                  | TM6428CO05                                 |
| THROMIVAR         | Z-453169               | TM25596PL00                                |
| THROMIVAR         | M16 00770              | TM25596HU00                                |
| THROMIVAR         | 1721736                | TM25596MX00                                |
| THROMIVAR         | 912239212              | TM25596BR01                                |
| THYAMOL           | 2017/47427             | TM26292TR00                                |
| THYRMAZOL         | 083553137              | TM4431FR00                                 |
| THYROCHECK        | 821920413              | TM6434BR05                                 |
| THYROID WEEK-LOGO | 010836187              | TM24169EU00                                |
| THYROID WEEK-LOGO | 30 2011 068 977.6 / 05 | TM24169DE00                                |
| THYROID WEEK-LOGO | 3165045                | TM24169AR05                                |
| THYROID WEEK-LOGO | 3165044                | TM24169AR16                                |
| THYROID WEEK-LOGO | 3165046                | TM24169AR41                                |
| THYROID WEEK-LOGO | 3165047                | TM24169AR44                                |
| THYROID WEEK-LOGO | 840109482              | TM24169BR05                                |
| THYROID WEEK-LOGO | 840109512              | TM24169BR16                                |
| THYROID WEEK-LOGO | 840109563              | TM24169BR41                                |
| THYROID WEEK-LOGO | 840109628              | TM24169BR44                                |
| THYROID WEEK-LOGO | 2012-21090             | TM24169EC05                                |
| THYROID WEEK-LOGO | 2012-21091             | TM24169EC16                                |
| THYROID WEEK-LOGO | 2012-21092             | TM24169EC41                                |
| THYROID WEEK-LOGO | 2012-21093             | TM24169EC44                                |
| THYROID WEEK-LOGO | 2012-03384             | TM24169GT05                                |
| THYROID WEEK-LOGO | 2012-03385             | TM24169GT16                                |
| THYROID WEEK-LOGO | 2012-03386             | TM24169GT41                                |
| THYROID WEEK-LOGO | 2012-03387             | TM24169GT44                                |
| THYROID WEEK-LOGO | 2328173                | TM24169IN00                                |
| THYROID WEEK-LOGO | 1270260                | TM24169MX05                                |
| THYROID WEEK-LOGO | 1270259                | TM24169MX16                                |
| THYROID WEEK-LOGO | 1270261                | TM24169MX41                                |
| THYROID WEEK-LOGO | 1270262                | TM24169MX44                                |
| THYROID WEEK-LOGO | 849437                 | TM24169TH05                                |
| THYROID WEEK-LOGO | 849438                 | TM24169TH16                                |
| THYROID WEEK-LOGO | 849439                 | TM24169TH41                                |
| THYROID WEEK-LOGO | 845266                 | TM24169TH44                                |
| THYROID WEEK-LOGO | 2012/10968             | TM24169ZA05                                |

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| THYROID WEEK-LOGO                   | 2012/10969           | TM24169ZA16                                |
| THYROID WEEK-LOGO                   | 2012/10970           | TM24169ZA41                                |
| THYROID WEEK-LOGO                   | 2012/10971           | TM24169ZA44                                |
| THYROID WEEK-LOGO                   | 1116788              | TM24169WO00                                |
| THYROID WEEK-LOGO CLASSES 05 and 16 | 1004870              | TM24169CL00                                |
| THYROID WEEK-LOGO CLASSES 41 and 44 | 1004871              | TM24169CL01                                |
| THYROMOBIL                          | 795559               | TM7346WO00                                 |
| THYROMOBIL                          | 795559               | TM7346WO00                                 |
| THYROMOBIL                          | 002979219            | TM7346EU00                                 |
| THYROMOBIL                          | 825148693            | TM7346BR44                                 |
| THYROMOBIL                          | 594.201              | TM7346CL00                                 |
| THYROMOBIL                          | 02115983             | TM7346CO44                                 |
| THYROMOBIL                          | 129814               | TM7346EC44                                 |
| THYROMOBIL                          | 2002 19742           | TM7346HK00                                 |
| THYROMOBIL                          | J00-2002-29305-29630 | TM7346ID44                                 |
| THYROMOBIL                          | 02015635             | TM7346MY44                                 |
| THYROMOBIL                          | 582141               | TM7346MX44                                 |
| THYROMOBIL                          | 169597               | TM7346PE44                                 |
| THYROMOBIL                          | 2002 19917           | TM7346ZA44                                 |
| THYROMOBIL                          | 507306               | TM7346TH44                                 |
| THYROMOBIL                          | 2002-019128          | TM7346VE44                                 |
| THYROMOBIL                          | 1243788              | TM7346IN01                                 |
| THYROMOBIL                          | 7476                 | TM7346KO00                                 |
| THYROZOL                            | 492410               | TM6440WO00                                 |
| THYROZOL                            | 003290129            | TM6440EU00                                 |
| THYROZOL                            | D00-2007 010982      | TM6440ID05                                 |
| THYROZOL                            | 970023355            | TM6440CN05                                 |
| THYROZOL                            | 3014                 | TM6440BO05                                 |
| THYROZOL                            | 01018662             | TM6440CO05                                 |
| THYROZOL                            | 1999-9147            | TM6440CR05                                 |
| THYROZOL                            | 1859                 | TM6440CU05                                 |
| THYROZOL                            | [not available]      | TM6440DO05                                 |
| THYROZOL                            | 99912                | TM6440EC05                                 |
| THYROZOL                            | 7842-99              | TM6440SV05                                 |
| THYROZOL                            | M54749/5WZ           | TM6440DE00                                 |
| THYROZOL                            | 9189-99              | TM6440GT05                                 |
| THYROZOL                            | 3863                 | TM6440NI00                                 |
| THYROZOL                            | 104744               | TM6440PA05                                 |
| THYROZOL                            | 94354                | TM6440PE05                                 |
| THYROZOL                            | 2000-002148          | TM6440VE05                                 |
| THYROZOL                            | 2009-0008119         | TM8902CR00                                 |
| THYROZOL                            | 2009-006220          | TM8904GT00                                 |
| THYROZOL                            | 27274-09             | TM8905HN00                                 |
| THYROZOL                            | 1046891              | TM8906MX00                                 |
| THYROZOL                            | 2009-02835           | TM8907NI00                                 |
| THYROZOL                            | 184328               | TM8908PA00                                 |
| THYROZOL                            | 2009-22412           | TM8909DO00                                 |
| THYROZOL                            | 7475                 | TM6440KO00                                 |
| THYROZOL                            | 822649268            | TM6440BR05                                 |
| THYROZOL                            | 466336               | TM6440CL00                                 |
| THYROZOL                            | 56909/2010           | TM9174CH00                                 |
| THYROZOL                            | 970023354            | TM6441CN05                                 |
| THYROZOL (CHINESE)                  |                      |                                            |
| THYROZOL (CYRILLIC)                 | 682669               | TM6442WO00                                 |
| THYROZOL (CYRILLIC)                 | 7471                 | TM6442KO00                                 |
| THYROZOL VERSUS ATHYROZOL           | 492410               | TM9122DZ00                                 |
| THYROZOL-LOGO 1                     | E-97669/09           | TM8903SV00                                 |
| THYROZOL-LOGO 1                     | 09.126.665           | TM8960CO00                                 |

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| THYROZOL-LOGO 1     | 221615             | TM8961EC00                                 |
| TILONE              | 99077423           | TM6455CO05                                 |
| TIROZOL             | 432018             | TM6463CL00                                 |
| TIROZOL             | M3014137-0         | TM6463ES00                                 |
| TIROZOL             | MGU 2014 1756      | TM6463UZ00                                 |
| TIZOREL             | 3177               | TM4121AF00                                 |
| TIZOREL             | 193316             | TM4121LK00                                 |
| Tobler Test TM Case | [not available]    | TM26149DE00                                |
| TOLEZA              | 302008001423.7/05  | TM4412DE00                                 |
| TOLOXIM             | 46736              | TM25349AO00                                |
| TOREZA              | 971039             | TM4358WO00                                 |
| TOREZA              | 30 2008 000 934.9  | TM4358DE00                                 |
| TOREZA              | 944799             | TM4358MX05                                 |
| TOREZA              | 2008-02427         | TM4358NI00                                 |
| TOREZA              | 172512             | TM4358PA05                                 |
| TOREZA              | 358889             | TM4358PE05                                 |
| TOREZA              | 393.811            | TM4358UY00                                 |
| TOREZA              | 2008-013026        | TM4358VE05                                 |
| TOREZA              | 2009-0500          | TM9090CU00                                 |
| TOREZA              | 2015-011932        | TM4358CR00                                 |
| TOREZA              | 55196              | TM4358UG00                                 |
| TOREZA              | TZ/T/2016/1245     | TM4358TZ00                                 |
| TOREZA              | 42016504029        | TM4358PH00                                 |
| TOREZA              | [not available]    | TM4358MY00                                 |
| TOREZA              | 4-2017-02518       | TM4358VN00                                 |
| TOREZA              | 170107997          | TM4358TH00                                 |
| TOREZA              | 40201702147U       | TM4358SG00                                 |
| TOREZA              | D00-2016-047112    | TM4358ID00                                 |
| TOREZA              | 1708244            | TM4358MX00                                 |
| TOREZA              | 2016-001942        | TM4358VE00                                 |
| TOREZA              | 2.835.756          | TM4358AR05                                 |
| TOREZA              | 5496.08            | TM4358BZ05                                 |
| TOREZA              | SM-3115-08         | TM4358BO05                                 |
| TOREZA              | 827.334            | TM4358CL00                                 |
| TOREZA              | 08068749           | TM4358CO05                                 |
| TOREZA              | 2008-006412        | TM4358CR05                                 |
| TOREZA              | 2008-28540         | TM4358DO05                                 |
| TOREZA              | 201758             | TM4358EC05                                 |
| TOREZA              | E-77769-2008       | TM4358SV05                                 |
| TOREZA              | 2008-05520         | TM4358GT05                                 |
| TOREZA              | 23025/2008         | TM4358HN05                                 |
| TOREZA              | 909117861          | TM4358BR00                                 |
| TOREZA              | F/T/2016/1739      | TM4358NG00                                 |
| TOREZA              | 48.324             | TM4358AO00                                 |
| TOREZA              | 3195676            | TM4358IN00                                 |
| TOXOGONIN           | 066086             | TM6497WO00                                 |
| TOXOGONIN           | 003289378          | TM6497EU00                                 |
| TOXOGONIN           | 17280C/77          | TM6497IT00                                 |
| TOXOGONIN           | 97/00446           | TM6497LS00                                 |
| TOXOGONIN           | I15308/5WZ         | TM6497DE00                                 |
| TOXOGONIN           | SN_325796          | TM6497CA00                                 |
| TOXOGONIN           | 29259              | TM6497CL00                                 |
| TOXOGONIN           | 0579763            | TM6497BX00                                 |
| TOXOGONIN           | 64/3930            | TM6497ZA05                                 |
| TOXOGONIN           | 246820             | TM6497IL00                                 |
| TOXOGONIN           | 75/0333            | TM6497NA05                                 |
| TOXOGONIN           | M7202119           | TM6497HU00                                 |
| TOXOGONIN           | 683                | TM6497BW00                                 |
| TRATADOL            | 26,635             | TM8577BS05                                 |
| TRATADOL            | 81/19215           | TM8577BB05                                 |
| TRATADOL            | 5119-01            | TM8577HN05                                 |
| TRATADOL            | 127063             | TM8577PA05                                 |
| TRATADOL            | 20589              | TM8577PY05                                 |
| TRATADOL            | IM-050526.29       | TM8577AW00                                 |
| TRATADOL            | D-500273           | TM8577CW00                                 |
| TRATADOL            | 05070538           | TM8577CO0501                               |
| TRATADOL            | 978                | TM8577BQ00                                 |
| TRATADOL            | D-500273           | TM8577SX00                                 |

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| TREGALIN      | 58447              | TM26066UG00                                |
| TREGALIN      | 32472/2016         | TM26066MZ00                                |
| TREGALIN      | [not available]    | TM26066TZ00                                |
| TREGALIN      | 50.897             | TM26066AO00                                |
| TREGALIN      | 3201603519         | TM26066OA00                                |
| TREGALIN      | 56552              | TM26066SD00                                |
| TREGALIN      | FTM/8078/2016      | TM26066ET00                                |
| TREGALIN      | [not available]    | TM26066GH00                                |
| TREGALIN      | 94862              | TM26066KE00                                |
| TREGALIN      | [not available]    | TM26066NG00                                |
| TREGALIN      | 40201711231W       | TM26066SG00                                |
| TREGALIN      | M16 02496          | TM26066HU00                                |
| TREGALIN      | D00-2016-037741    | TM26066ID00                                |
| TRICEF        | 1199/1986          | TM6521AT00                                 |
| TRICEF        | 198654             | TM6521CL00                                 |
| TRIFORTAL     | 603860             | TM6528CL00                                 |
| TRIGLIFIN     | 828839077          | TM4649BR05                                 |
| TRINITROSAN   | 421623             | TM6540WO00                                 |
| TRINITROSAN   | 8211467            | TM6540IR00                                 |
| TRINITROSAN   | M47889/5WZ         | TM6540DE00                                 |
| TRUEDX        | 15 177897          | TM25398CO05                                |
| TRUEDX        | 2015060011         | TM25398MY01                                |
| TRUEDX        | 2015060014         | TM25398MY05                                |
| TRUEDX        | 2015060017         | TM25398MY10                                |
| TRUEDX READER | 15 178009          | TM25396CO10                                |
| TRUEDX READER | 2015059945         | TM25396MY00                                |
| TRUEDX READER | 2015059949         | TM25396MY01                                |
| TRUEDX TSH    | 15 177970          | TM25397CO05                                |
| TRUEDX TSH    | 2015059941         | TM25397MY00                                |
| TRUEDX TSH    | 2015059942         | TM25397MY01                                |
| TRULIPRA      | 170123678          | TM25571TH00                                |
| TRULIPRA      | 2017056458         | TM25571MY00                                |
| TRULIPRA      | M16 02505          | TM25571HU00                                |
| TRULIPRA      | 910692602          | TM25571BR00                                |
| TRULIPRA      | 1718714            | TM25571MX00                                |
| TRULIPRA      | [not available]    | TM25571SG00                                |
| TRULIPRA SV   | 170113859          | TM26067TH00                                |
| TRULIPRA SV   | 2017056457         | TM26067MY00                                |
| TRULIPRA SV   | 911420088          | TM26067BR00                                |
| TRULIPRA SV   | 1779351            | TM26067MX00                                |
| TYPTOR        | 301213352          | TM6569HK00                                 |
| TYPTOR        | [not available]    | TM6569CR05                                 |
| TYPTOR        | 367122             | TM6569PE05                                 |
| TYPTOR        | 798349             | TM6569NZ00                                 |
| TYPTOR        | 1749565            | TM6569IN00                                 |
| TYPTOR        | 2008/25804         | TM6569ZA05                                 |
| TYPTOR        | 891201             | TM6569IN01                                 |
| TYPTOR        | 133302             | TM6569IL05                                 |
| TYPTOR        | 77/273.245         | TM6569US00                                 |
| TYPTOR        | 08.121.451         | TM6569CO05                                 |
| TYPTOR        | 4664-08            | TM6569BO05                                 |
| TYPTOR-LOGO 1 | 2.878.065          | TM4714AR05                                 |
| TYPTOR-LOGO 1 | 963139             | TM4714MX05                                 |
| TYPTOR-LOGO 1 | 207571             | TM4714EC05                                 |
| ULCOGANT      | 392883             | TM6574WO00                                 |
| ULCOGANT      | 003287448          | TM6574EU00                                 |
| ULCOGANT      | 98502              | TM6574BZ05                                 |
| ULCOGANT      | 42842              | TM6574JM00                                 |
| ULCOGANT      | 33479              | TM6574TT00                                 |
| ULCOGANT      | [not available]    | TM6574BB05                                 |
| ULCOGANT      | 25,299             | TM6574BS05                                 |
| ULCOGANT      | D-200662           | TM6574CW00                                 |
| ULCOGANT      | 815555040          | TM6574BR05                                 |
| ULCOGANT      | 154.406            | TM6574CL00                                 |
| ULCOGANT      | 170801             | TM6574PE05                                 |
| ULCOGANT      | 09/005138          | TM6574PY05                                 |
| ULCOGANT      | 165000             | TM6574CR05                                 |
| ULCOGANT      | L 000219           | TM6574HT05                                 |

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| ULCOGANT          | 2841-90            | TM6574HN05                                 |
| ULCOGANT          | 1990/000991        | TM6574NI00                                 |
| ULCOGANT          | Z-99556            | TM6574PL00                                 |
| ULCOGANT          | 2011-0132          | TM6574CU00                                 |
| ULCOGANT          | 1001               | TM6574BQ00                                 |
| ULCOGANT          | D-200662           | TM6574SX00                                 |
| ULCOGANT          | M34825/5WZ         | TM6574DE00                                 |
| ULCOGANT          | 030902.36          | TM6574AW00                                 |
| ULCOGANT          | 20569              | TM6574SV05                                 |
| ULCOGANT          | 1991-00938         | TM6574GT05                                 |
| ULCOGANT          | 25106              | TM6574DO05                                 |
| ULCOGANT          | 054571             | TM6574PA05                                 |
| ULYSTRO           | 4-2017-09725       | TM26267VN00                                |
| ULYSTRO           | 40201706847U       | TM26268SG00                                |
| UNGUENTUM MERCK   | 1554349            | TM6587GB00                                 |
| UNICREM           | 60865              | TM6588CL00                                 |
| UNILAN            | 46.695             | TM25352AO00                                |
| UNISEDIL          | 48.178             | TM25353AO00                                |
| URBAL             | 54180              | TM6597WO00                                 |
| URO TRICEF        | 280411             | TM25207CL00                                |
| UROJOD-TEST-MERCK | 397 56 022.2       | TM6605DE00                                 |
| UTHYROX           | 2713829            | TM25198IN00                                |
| VABRAYA           | 4-2016-016332      | TM26182PH00                                |
| VABRICARD         | 910691657          | TM25563BR00                                |
| VABRICARD         | M16 00604          | TM25563HU00                                |
| VABRICARD         | 2017052158         | TM25563MY00                                |
| VABRICARD         | [not available]    | TM25563SV00                                |
| VABRICARD         | [not available]    | TM25563PA00                                |
| VABRICARD         | [not available]    | TM25563HN00                                |
| VABRICARD         | [not available]    | TM25563NI00                                |
| VABRICARD         | [not available]    | TM25563CR00                                |
| VABRICARD         | [not available]    | TM25563GT00                                |
| VABRICARD         | [not available]    | TM25563VN00                                |
| VABRICARD         | 170108748          | TM25563TH00                                |
| VABRICARD         | 40201702321S       | TM25563SG00                                |
| VABRICARD         | [not available]    | TM25563PE00                                |
| VABRICARD         | [not available]    | TM25563EC00                                |
| VABRICARD         | [not available]    | TM25563CO00                                |
| VABRICARD         | [not available]    | TM25563CL00                                |
| VABRICARD         | Z.475233           | TM25563PL00                                |
| VABRICOR          | 910692416          | TM25562BR00                                |
| VABRICOR          | M16 00605          | TM25562HU00                                |
| VABRICOR          | 2017052151         | TM25562MY00                                |
| VABRICOR          | [not available]    | TM25562GT00                                |
| VABRICOR          | 4-2017-32351       | TM25562VN00                                |
| VABRICOR          | [not available]    | TM25562TH00                                |
| VABRICOR          | 40201702320P       | TM25562SG00                                |
| VABRICOR          | [not available]    | TM25562PE00                                |
| VABRICOR          | [not available]    | TM25562EC00                                |
| VABRICOR          | [not available]    | TM25562CO00                                |
| VABRICOR          | [not available]    | TM25562CL00                                |
| VABRICOR          | [not available]    | TM25562SV00                                |
| VABRICOR          | [not available]    | TM25562PA00                                |
| VABRICOR          | [not available]    | TM25562HN00                                |
| VABRICOR          | [not available]    | TM25562NI00                                |
| VABRICOR          | [not available]    | TM25562CR00                                |
| VABRICOR          | Z.475227           | TM25562PL00                                |
| VALOMERCK         | 397 22 529.6       | TM6614DE00                                 |
| VALTESO           | Z-457384           | TM26029PL00                                |
| VALTESO           | D00-2016-031142    | TM26029ID00                                |
| VALTESO           | 40201711239V       | TM26029SG00                                |
| VALTESO           | 4-2017-20630       | TM26029VN00                                |
| VALTESO           | [not available]    | TM26029MY00                                |
| VALTESO AM        | Z-457382           | TM26029PL01                                |
| VALTESO AM        | D00-2016-031137    | TM26029ID01                                |
| VASCORDIL         | M63947/5WZ         | TM6620DE00                                 |

| Trademark        | Application number | Case number according to internal database |
|------------------|--------------------|--------------------------------------------|
| VASICO           | M63948/5WZ         | TM6621DE00                                 |
| VASODIPIN        | 46.697             | TM25355AO00                                |
| VASSQ            | 149277             | TM6627IL05                                 |
| VASSQ            | 171268             | TM6627PK05                                 |
| VELODY           | Z-457381           | TM26031PL00                                |
| VELODY           | D00-2016-031155    | TM26031ID00                                |
| VELODY           | [not available]    | TM26031TH00                                |
| VELODY           | [not available]    | TM26031MY00                                |
| VELODY AM        | Z-457388           | TM26031PL01                                |
| VELODY AM        | D00-2016-031136    | TM26031ID01                                |
| VELUMDA          | M16 02521          | TM26074HU00                                |
| VELUMDA          | 911449990          | TM26074BR00                                |
| VELUMDA          | 1779328            | TM26074MX00                                |
| VELUMDA          | D00-2016-037748    | TM26074ID00                                |
| VELUMDA          | [not available]    | TM26074UG00                                |
| VELUMDA          | MZ/T/2016/032849   | TM26074MZ00                                |
| VELUMDA          | TZ/T/2016/2862     | TM26074TZ00                                |
| VELUMDA          | [not available]    | TM26074AO00                                |
| VELUMDA          | 3201603870         | TM26074OA00                                |
| VELUMDA          | 56700              | TM26074SD00                                |
| VELUMDA          | FTM/8350/2017      | TM26074ET00                                |
| VELUMDA          | 2317/2016          | TM26074GH00                                |
| VELUMDA          | 95279              | TM26074KE00                                |
| VELUMDA          | F/T/2016/11021     | TM26074NG00                                |
| VENTADOX         | 1592361            | TM4225IN00                                 |
| VIBTRAN          | M16 02519          | TM26072HU00                                |
| VIBTRAN          | 1779327            | TM26072MX00                                |
| VIBTRAN          | 911449760          | TM26072BR00                                |
| VIBTRAN          | D00-2016-037739    | TM26072ID00                                |
| VIBTRAN          | [not available]    | TM26072UG00                                |
| VIBTRAN          | 32742/2016         | TM26072MZ00                                |
| VIBTRAN          | TZ/T/2016/2866     | TM26072TZ00                                |
| VIBTRAN          | [not available]    | TM26072AO00                                |
| VIBTRAN          | 3201603873         | TM26072OA00                                |
| VIBTRAN          | 56698              | TM26072SD00                                |
| VIBTRAN          | FTM/8351/2017      | TM26072ET00                                |
| VIBTRAN          | 2314/2016          | TM26072GH00                                |
| VIBTRAN          | 95278              | TM26072KE00                                |
| VIBTRAN          | F/T/2016/11017     | TM26072NG00                                |
| VICALY           | 30 2008 000 940.3  | TM4363DE00                                 |
| VICALY           | 348273             | TM4363PE05                                 |
| VIDAQ            | 30 2008 000 947.0  | TM4351DE00                                 |
| VIDAVIL          | 302008001425.3/05  | TM4415DE00                                 |
| VIGORSKIN        | 1049057            | TM9196WO00                                 |
| VIGORSKIN        | 30 2010 034 662    | TM9196DE00                                 |
| VIGORSKINK1-LOGO | 1050196            | TM9197WO00                                 |
| VIGORSKINK1-LOGO | 30 2010 036 618    | TM9197DE00                                 |
| VITABETIS        | 822585855          | TM6654BR05                                 |
| VITAZ            | 30 2008 000 946.2  | TM4350DE00                                 |
| VITESTRA         | 971359             | TM4361WO00                                 |
| VITESTRA         | 30 2008 000 937.3  | TM4361DE00                                 |
| VITESTRA         | 301144016          | TM4361HK00                                 |
| VITESTRA         | 2008-05174         | TM4361GT05                                 |
| VITESTRA         | 829880151          | TM4361BR05                                 |
| VITESTRA         | 2.836.513          | TM4361AR05                                 |
| VITESTRA         | 252817             | TM4361PK05                                 |
| VITESTRA         | 393.812            | TM4361UY00                                 |
| VITESTRA         | 358747             | TM4361PE05                                 |
| VITESTRA         | 172514             | TM4361PA05                                 |
| VITESTRA         | 944795             | TM4361MX05                                 |
| VITESTRA         | E-777770-2008      | TM4361SV05                                 |
| VITESTRA         | 824823             | TM4361TH00                                 |
| VITESTRA         | 11014061           | TM4361PH01                                 |
| VITESTRA         | 201759             | TM4361EC05                                 |
| VITESTRA         | 2008-28541         | TM4361DO05                                 |
| VITESTRA         | 08067508           | TM4361CO05                                 |
| VITESTRA         | 827.008            | TM4361CL00                                 |
| VITESTRA         | 5488.08            | TM4361BZ05                                 |

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| Trademark          | Application number | Case number according to internal database |
|--------------------|--------------------|--------------------------------------------|
| VITESTRA           | 08012937           | TM4361MY05                                 |
| VITESTRA           | 700941             | TM4361TH05                                 |
| VITESTRA           | 23029/2008         | TM4361HN05                                 |
| VITESTRA           | 2008-02429         | TM4361NI00                                 |
| VITESTRA           | D00-2008-024769    | TM4361ID05                                 |
| VITESTRA           | 1705228            | TM4361IN00                                 |
| VITESTRA           | SM-3114-08         | TM4361BO05                                 |
| VITESTRA           | 2008-0006410       | TM4361CR05                                 |
| VITESTRA           | 302065077          | TM4361HK01                                 |
| VITESTRA           | 2011018686         | TM4361MY00                                 |
| VITESTRA           | 2011-19621         | TM4361DO00                                 |
| VITESTRA-LOGO      | 11159319           | TM4361CO00                                 |
| VITESTRA-LOGO      | 2011-11994         | TM4361EC00                                 |
| VITESTRA-LOGO      | 1200922            | TM4361MX00                                 |
| VITESTRA-LOGO      | 463043             | TM4361PE00                                 |
| VOLFAX             | 1088-R             | TM6671HT05                                 |
| VORICOMIL          | 1338500            | TM3177IN00                                 |
| VOTIROX            | 766932             | TM7414WO00                                 |
| VOTIROX            | M 01 00950         | TM7414HU00                                 |
| VOTIROX (CYRILLIC) | 766991             | TM7415WO00                                 |
| VOTIROX (CYRILLIC) | M 01 00975         | TM7415HU00                                 |
| WHIZIX             | 3192               | TM9071AF00                                 |
| WINTOGENO          | 3175               | TM9222AF00                                 |
| XAPNEV             | 46.696             | TM25358AO00                                |
| XAVANEL            | 149278             | TM6691IL05                                 |
| XAVANEL            | 171271             | TM6691PK05                                 |
| XENTRAX            | 968907             | TM6693WO00                                 |
| XENTRAX            | 968907             | TM6693WO00                                 |
| XENTRAX            | 725262             | TM6693WO01                                 |
| XENTRAX            | 003290897          | TM6693EU00                                 |
| XENTRAX            | 398 74 807.1       | TM6693DE00                                 |
| XULSIO             | 402017068405       | TM26261SG00                                |
| XULSIO             | 4-2017-09720       | TM26261VN00                                |
| XYLUD              | 971358             | TM4359WO00                                 |
| XYLUD              | 30 2008 000 935.7  | TM4359DE00                                 |
| XYLUD              | 08068745           | TM4359CO05                                 |
| XYLUD              | 2008-006414        | TM4359CR05                                 |
| XYLUD              | 8028542            | TM4359DO05                                 |
| XYLUD              | 201760             | TM4359EC05                                 |
| XYLUD              | E-777771-2008      | TM4359SV05                                 |
| XYLUD              | 2008-05521         | TM4359GT05                                 |
| XYLUD              | 23028/2008         | TM4359HN05                                 |
| XYLUD              | 301151892          | TM4359HK00                                 |
| XYLUD              | 1706146            | TM4359IN00                                 |
| XYLUD              | D00-2008-024770    | TM4359ID05                                 |
| XYLUD              | 08012835           | TM4359MY05                                 |
| XYLUD              | 944796             | TM4359MX05                                 |
| XYLUD              | 2008-02425         | TM4359NI00                                 |
| XYLUD              | 252818             | TM4359PK05                                 |
| XYLUD              | 172510             | TM4359PA05                                 |
| XYLUD              | 358880             | TM4359PE05                                 |
| XYLUD              | 701055             | TM4359TH05                                 |
| XYLUD              | 393.810            | TM4359UY00                                 |
| XYLUD              | 2008-013023        | TM4359VE05                                 |
| XYLUD              | 2.835.758          | TM4359AR05                                 |
| XYLUD              | 5495.08            | TM4359BZ05                                 |
| XYLUD              | SM-3117-08         | TM4359BO05                                 |
| XYLUD              | 827.331            | TM4359CL00                                 |
| YODOTIROX          | [not available]    | TM6707GT05                                 |
| YODOTIROX          | 000377             | TM6707HT05                                 |
| YODOTIROX          | 4615-87            | TM6707HN05                                 |
| YODOTIROX          | 1370-87            | TM6707BO05                                 |
| YODOTIROX          | 87/10.629          | TM6707PY05                                 |
| ZATIUM             | 2 732 766          | TM3795AR05                                 |
| ZATIUM             | 183422             | TM3795EC05                                 |
| ZATIUM             | 2007-007 019       | TM3795VE05                                 |
| ZATIUM             | 829 438 610        | TM3795BR05                                 |
| ZATIUM             | 381205             | TM3795UY00                                 |

| Trademark   | Application number | Case number according to internal database |
|-------------|--------------------|--------------------------------------------|
| ZATIUM      | 31950              | TM3795BS05                                 |
| ZATIUM      | 81/23516           | TM3795BB05                                 |
| ZATIUM      | 578-D              | TM3795HT05                                 |
| ZATIUM      | 148690-01          | TM3795PA05                                 |
| ZATIUM      | 2006-7 159         | TM3795DO05                                 |
| ZATIUM      | 2007-02748         | TM3795GT0501                               |
| ZATIUM      | 12 275-2007        | TM3795HN0501                               |
| ZATIUM      | 2007 - 01 191      | TM3795NI01                                 |
| ZATIUM      | 2007-0 003 271     | TM3795CR0501                               |
| ZATIUM      | 160485             | TM3795PA0501                               |
| ZATIUM-LOGO | 31951              | TM4139BS05                                 |
| ZATIUM-LOGO | 81/23517           | TM4139BB05                                 |
| ZATIUM-LOGO | 2007-9 459         | TM4139CR05                                 |
| ZATIUM-LOGO | 2007-31 216        | TM4139DO05                                 |
| ZATIUM-LOGO | E-68229-07         | TM4139SV05                                 |
| ZATIUM-LOGO | 2007-05290         | TM4139GT05                                 |
| ZATIUM-LOGO | 630-C              | TM4139HT05                                 |
| ZATIUM-LOGO | 21 563-2007        | TM4139HN05                                 |
| ZATIUM-LOGO | 2007-02 428        | TM4139NI00                                 |
| ZATURIO     | 910965269          | TM25655BR00                                |
| ZATURIO     | 56348              | TM25655UG00                                |
| ZATURIO     | TZ/T/2016/1244     | TM25655TZ00                                |
| ZATURIO     | 55503              | TM25655SD00                                |
| ZATURIO     | F/T/2016/3796      | TM25655NG00                                |
| ZATURIO     | 31261/2016         | TM25655MZ00                                |
| ZATURIO     | 92061              | TM25655KE00                                |
| ZATURIO     | 832/2016           | TM25655GH00                                |
| ZATURIO     | 3201601368         | TM25655OA00                                |
| ZATURIO     | FTM/7416/2016      | TM25655ET00                                |
| ZATURIO     | 48.937             | TM25655AO00                                |
| ZATURIO     | Z-455710           | TM25655PL00                                |
| ZATURIO     | M16 01440          | TM25655HU00                                |
| ZATURIO     | 1741825            | TM25655MX00                                |
| ZEFIBIA     | 92318              | TM26023KE00                                |
| ZEFIBIA     | TZ/T/2016/1242     | TM26023TZ00                                |
| ZEFIBIA     | 56712              | TM26023UG00                                |
| ZELUBRI     | M16 02522          | TM26075HU00                                |
| ZELUBRI     | 1779325            | TM26075MX00                                |
| ZELUBRI     | 911450084          | TM26075BR00                                |
| ZELUBRI     | D00-2016-037757    | TM26075ID00                                |
| ZELUBRI     | [not available]    | TM26075UG00                                |
| ZELUBRI     | MZ/T/2016/032743   | TM26075MZ00                                |
| ZELUBRI     | TZ/T/2016/2865     | TM26075TZ00                                |
| ZELUBRI     | [not available]    | TM26075AO00                                |
| ZELUBRI     | 3201603876         | TM26075OA00                                |
| ZELUBRI     | 56701              | TM26075SD00                                |
| ZELUBRI     | FTM/8354/2017      | TM26075ET00                                |
| ZELUBRI     | 2315/2016          | TM26075GH00                                |
| ZELUBRI     | 95280              | TM26075KE00                                |
| ZELUBRI     | F/T/2016/11022     | TM26075NG00                                |
| ZIBAXTA     | TZ/T/2016/663      | TM25613TZ00                                |
| ZIBAXTA     | 55123              | TM25613SD00                                |
| ZIBAXTA     | F/T/2016/2352      | TM25613NG00                                |
| ZIBAXTA     | 308512016          | TM25613MZ00                                |
| ZIBAXTA     | 91385              | TM25613KE00                                |
| ZIBAXTA     | 3201600767         | TM25613OA00                                |
| ZIBAXTA     | FTM/7189/2016      | TM25613ET00                                |
| ZIBAXTA     | 48531              | TM25613AO00                                |
| ZIBAXTA     | 510/2016           | TM25613GH00                                |
| ZIBAXTA     | 56104              | TM25613UG00                                |
| ZIDARLA     | 512/2016           | TM25614GH00                                |
| ZIDARLA     | 308582016          | TM25614MZ00                                |
| ZIDARLA     | 56339              | TM25614UG00                                |
| ZIDARLA     | TZ/T/2016/666      | TM25614TZ00                                |
| ZIDARLA     | 55124              | TM25614SD00                                |
| ZIDARLA     | F/T/2016/2353      | TM25614NG00                                |
| ZIDARLA     | 91420              | TM25614KE00                                |
| ZIDARLA     | 3201600777         | TM25614OA00                                |

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| Trademark      | Application number | Case number according to internal database |
|----------------|--------------------|--------------------------------------------|
| ZIDARLA        | FTM/7205/2016      | TM25614ET00                                |
| ZIDARLA        | 48553              | TM25614AO00                                |
| ZIMSTAT        | 813197             | TM7617WO00                                 |
| ZIMSTAT        | 813197             | TM7617WO00                                 |
| ZIMSTAT        | 28.840-03          | TM7617HN05                                 |
| ZIMSTAT        | 825935113          | TM7617BR05                                 |
| ZINERAX        | 144172             | TM6721IL05                                 |
| ZINERAX        | 823406261          | TM6721BR05                                 |
| ZINERAX        | 301213343          | TM6721HK00                                 |
| ZINERAX        | [not available]    | TM6721CR05                                 |
| ZINERAX        | 798350             | TM6721NZ01                                 |
| ZINERAX        | 08.116.780         | TM6721CO05                                 |
| ZINERAX        | 2000-20691         | TM6721VE05                                 |
| ZINERAX        | 4665-08            | TM6721BO05                                 |
| ZINERAX-LOGO 2 | 207571             | TM4790EC05                                 |
| ZITAX          | 96053192           | TM6723CO05                                 |
| ZITAX          | 073221             | TM6723PE05                                 |
| ZITAX          | 9374               | TM6723BO05                                 |
| ZITAX          | 221468-2004        | TM6723PE0501                               |
| ZITAX          | 355883             | TM6723CL00                                 |
| ZITAX          | 819.489.468        | TM6723BR05                                 |

| Trademark | Application number | Case number according to internal database |
|-----------|--------------------|--------------------------------------------|
| ZOLAX     | 9375               | TM6727BO05                                 |
| ZOLAX     | 96053195           | TM6727CO05                                 |
| ZOLAX     | 72134              | TM6727EC05                                 |
| ZOLAX     | 26226              | TM6727PE05                                 |
| ZOLAX     | 16560-96           | TM6727VE05                                 |
| ZOLAX     | 1090-R             | TM6727HT05                                 |
| ZOLAX     | 10100/96           | TM6727HN05                                 |
| ZOLAX     | 819489476          | TM6727BR05                                 |
| ZOLAX     | 1996-07804         | TM6727GT05                                 |
| ZOLAX     | 087291             | TM6727PA05                                 |
| ZOLAX     | 98-03080           | TM6727NI00                                 |
| ZOLAX     | 61                 | TM6727CU05                                 |
| ZOLAX     | 312364             | TM6727UY00                                 |
| ZOLCET    | 386365             | TM6728CL00                                 |
| ZOLGAL    | 93450              | TM26095KE00                                |
| ZOLGAL    | 57326              | TM26095UG00                                |
| ZOLGAL    | TZ/T/2016/1952     | TM26095TZ00                                |
| ZOLGAL    | F/T/2016/6626      | TM26095NG00                                |
| ZOLGAL    | 3377831            | TM26095IN00                                |
| ZOVIA     | 1023581            | TM6734IN00                                 |

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## II. Domains

|                                |                         |                          |                                |
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| rebif.healthcare               | erbitux.de              | toreza.de                | rebiform.de                    |
| rebif.care                     | immunozytokine.de       | starvio.de               | rebiflite.de                   |
| rebif.clinic                   | merck-oncology.de       | risono.de                | stedralif.de                   |
| adherqol.us                    | actileva.de             | prevobion.de             | freprenso.de                   |
| aids wasting.us                | kasevia.de              | stalerza.de              | egfexpression.de               |
| axiscenteronline.us            | movinorm.de             | toleza.de                | histoscore.de                  |
| cetrotide.us                   | dyskinexx.de            | reclud.de                | glioblastomasupport.de         |
| click-easy.us                  | dyskinextin.de          | telobion.de              | nimsura.de                     |
| clিকেeasy.us                   | pazella.de              | talius.de                | kongress-spezial.de            |
| coolclick.us                   | regavid.de              | salerco.de               | lifebeyondchemotherapy.de      |
| crinone.us                     | redilev.de              | reliasta.de              | cephoral.de                    |
| easypod.us                     | campral.de              | taliva.de                | concor.de                      |
| egrita.us                      | sarizotan.de            | relivio.de               | decortin.de                    |
| emdcardiovascular.us           | rexalir.de              | ultrabion.de             | e-arzneimittelbestellung.de    |
| emd-oncology.us                | rexalis.de              | vicaly.de                | duodril.de                     |
| emdoncology.us                 | dyskimet.de             | vidavil.de               | euthyrox.de                    |
| encadix.us                     | pliazon.de              | vivabion.de              | fortecortin.de                 |
| fertilityambassador.us         | dyskimed.de             | xylud.de                 | glucophage.de                  |
| freprenso.us                   | lodoz.de                | vitestra.de              | ihrefragen.de                  |
| gonal-f.us                     | concor-cor.de           | vitaz.de                 | ihre-fragen.de                 |
| hydroxocobalamin.us            | toxogonin.de            | vidaq.de                 | medizin-professionell.de       |
| hydroxycobalamin.us            | erbloc.de               | rebidoso.de              | merckmemory.de                 |
| luveris.us                     | giabri.de               | rebismart.de             | onco-web.de                    |
| movectro.us                    | sanzeza.de              | neuro-logisch.de         | oncology-news.de               |
| ms-dialog.us                   | oncerb.de               | targetmycancer.de        | oncology-web.de                |
| msdialog.us                    | cilengitide.de          | ms-pedia.de              | onko-chat.de                   |
| mslifelines.us                 | cetuximab.de            | mspedia.de               | onkologie-web.de               |
| nimsura.us                     | matuzumab.de            | k-ras.de                 | onko-profi.de                  |
| oneclick.us                    | benfobion.de            | interferon-therapie.de   | onkologie-news.de              |
| ovidrel.us                     | vilazodone.de           | ms-netzwerk.de           | onkoprofi.de                   |
| pergoveris.us                  | sistalgin.de            | leben-mit-ms.de          | onkologie-dialog.de            |
| pronivis.us                    | pedimmune.de            | livingwithms.de          | onkologie-professionell.de     |
| rebidoso.de                    | soprazol.de             | living-with-ms.de        | schilddruesenpartner.de        |
| rebiform.us                    | sanzeza.de              | hochdosistherapie.de     | jodthyrox.de                   |
| rebif.us                       | cardiometabolicscare.de | lebenmitms.de            | aktiv-mit-parkinson.de         |
| rebiject.us                    | cardiometabolic-care.de | fertinet.de              | aktivmitparkinson.de           |
| rebi-log.us                    | corance.de              | fertility-net.de         | parkinson-rat.de               |
| rebismart.us                   | cimidona.de             | easypod.de               | parkinson-safinamid.de         |
| rebitech.us                    | gemifast.de             | ms-patient.de            | parkinson-safinamide.de        |
| saizen.us                      | olmighty.de             | luveris.de               | parkinson-service.de           |
| sanzeza.us                     | calozan-hipergel.de     | cool-click.de            | parkinsonrat.de                |
| serocare.us                    | myolax.de               | crinone.de               | parkinsonservice.de            |
| serojet.us                     | calozanhipergel.de      | mit-ms-leben.de          | safinamid-parkinson.de         |
| serostimaxiscenter.us          | tarliv.de               | msdialog.de              | safinamide-parkinson.de        |
| serostim.us                    | zatium.de               | ms-behandlung.de         | cilengitid.de                  |
| stedralif.us                   | tiodrix.de              | gonal-f.de               | safinamid.de                   |
| unitems.us                     | arlivo.de               | fertility.de             | besserwachsen.de               |
| xilento.us                     | latamin.de              | clickeasy.de             | safinamide.de                  |
| zemrik.us                      | calibril.de             | prisms.de                | besser-wachsen.de              |
| cerfi.us                       | candistat.de            | ifn-therapie.de          | endologic.de                   |
| incadix.us                     | salvara.de              | head-to-head.de          | msexperten.de                  |
| merelif.us                     | cardiotan.de            | ifn-behandlung.de        | msgateway.de                   |
| rebassist.us                   | agilezza.de             | interferon-behandlung.de | meinlebenmitms.de              |
| rebi-slide.us                  | agilesse.de             | spectrims.de             | ms-information.de              |
| rebi-slim.us                   | diestat.de              | remyelinsierung.de       | ms-hotline.de                  |
| scienat.us                     | tizorel.de              | movectro.de              | mein-leben-mit-ms.de           |
| protract.us                    | ventadox.de             | easyject.de              | ms-infoline.de                 |
| clavido.com                    | combination-is-key.de   | xilento.de               | ms-nachrichten.de              |
| compan.io                      | ecanor.de               | ovitrelle.de             | ms-medizin.de                  |
| professionalsinfertility.ru    | neurovance.de           | reviv.de                 | mschwester.de                  |
| xn----                         | pinerca.de              | pergoveris.de            | ms-schwester.de                |
| 7sbocmdaudogccicqkamqf2aj7o7a. | advabion.de             | mitmsleben.de            | neuro-aktuell.de               |
| xn--p1ai                       | cuperon.de              | einfachwachsen.de        | wachstumshilfe.de              |
| bavencio.com                   | livium.de               | serojet.de               | antikoerpertherapie-info.de    |
| bavencio.net                   | califor.de              | zemrik.de                | antikoerpertherapie-partner.de |
| bavencio.info                  | kialuz.de               | rebiject.de              | bronchialkarzinom.de           |
| bavencio.us                    | felivia.de              | rebif.de                 | biotherapeutika.de             |
| bavencio.eu                    | calona.de               | pronivis.de              | atacept.de                     |
| asoneforpatients.com           | cazono.de               | saizen.de                | cardiopartner.de               |
| as-one-for-patients.com        | modobion.de             | rebistar.de              | cladribine.de                  |
| asoneforpatients.de            | curabion.de             | serostim.de              | cladribin.de                   |

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|--------------------------------------|-------------------------------|-------------------------------------|---------------------------------------|
| cladribintabletten.de                | medizinpartner.de             | musiqol.com                         | ceralifimodinrms.com                  |
| cladribin-tabletten.de               | bloghaus-ms.de                | fertiql.com                         | ceralifimodinrms.com                  |
| egfr.de                              | msbloghaus.de                 | serostim.com                        | ceralifimodinremittingrelapsingmulti  |
| design-wettbewerb-leben-mit-ms.de    | schilddrueseninstitut.de      | thyrolink.com                       | plesclerosis.com                      |
| darmkrebs-info.de                    | ms-bloghaus.de                | ookikunaare.com                     | ceralifimodinsecondaryprogressive     |
| egf-rezeptor.de                      | antikoerpertherapiepartner.de | ninkatsu.net                        | multiple sclerosis.com                |
| egfr-immunhistochemie.de             | erbitux-nis.de                | imunitas.com                        | ceralifimodinremittingformsofmulti    |
| egfr-lunge.de                        | avelumab.de                   | hydroxycobalamin.net                | plesclerosis.com                      |
| egfr-verteilung.de                   | rebistarmagazin.de            | hydroxycobalamin.com                | ceralifimodinprogressiveformsofmulti  |
| einfach-wachsen.de                   | rebistar-magazin.de           | regroupementsep.com                 | plesclerosis.com                      |
| erbitux-awb.de                       | adherqol.de                   | cmcare-ncs.net                      | ceralifimodinprogressiveformsofms.    |
| expertenchat-ms.de                   | erbituxapp.de                 | rebismartdownloadonline.com         | com                                   |
| kras-bestimmung.de                   | evofosamid.de                 | rebismartconnect.com                | ceralifimodinprimaryprogressivemu     |
| k-ras-bestimmung.de                  | evofosamidum.de               | familybuildingoptions.com           | ltiplesclerosis.com                   |
| kras-gen.de                          | evofosamide.de                | conocerdecancer.com                 | ceralifimodinms.com                   |
| k-ras-gen.de                         | tepotinib.de                  | glucophage1000xr.com                | ceralifimodinppms.com                 |
| kras-info.de                         | rebismart-projekte.de         | axiscenter.com                      | ceralifimod-this-one-key.com          |
| k-ras-info.de                        | ms-studie.de                  | reproductiveinnovations.com         | ceralifimodinmultiplesclerosis.com    |
| k-rastestung.de                      | elite-ms.de                   | matuzumab.com                       | ceralifimodandremyelination.com       |
| krastestung.de                       | tecemotide.de                 | rebinform.org                       | remyelinationinmultiplesclerosis.co   |
| k-ras-test.de                        | tecemotid.de                  | howifightms.org                     | m                                     |
| k-ras-testung.de                     | abituzumab.de                 | rebinform.net                       | axonalintegrityinnultiplesclerosis.co |
| medizinaktuell.de                    | familyofpens.de               | matuzumab.info                      | m                                     |
| medizin-aktuell.de                   | pimasertib.de                 | rebinform.info                      | ceralifimodandaxonalintegrity.com     |
| merckonkologie.de                    | saizen-online.de              | rebinform.com                       | axonalintegrityinms.com               |
| merck-onkologie.de                   | mein-rebistar.de              | cool-click.net                      | einfachwachsen.com                    |
| ms-betreuer.de                       | avobrutinib.de                | c225.info                           | justegrandir.com                      |
| ms-injektoren.de                     | davobrutinib.de               | concor.info                         | pkulife.net                           |
| ms-injektor.de                       | evobrutinib.de                | thyrolink.info                      | dusodril.com                          |
| msschwesterdesjahres.de              | duvobrutinib.de               | merck-oncology.info                 | recdate.com                           |
| ms-schwester-des-jahres.de           | nivobrutinib.de               | fem7.info                           | pku-info.net                          |
| multipleklerosepartner.de            | naxobrutinib.de               | euthyrox.info                       | ms4msinnovation.org                   |
| nis-erbitag.de                       | mcrbiomarkers.de              | concor-cor.info                     | pku-info.info                         |
| oncology-partner.de                  | cardiometabolic-care.com      | biconcor.info                       | msportal.org                          |
| oncology-innovation.de               | cardiometaboliccare.com       | concor-plus.info                    | ms-portal.org                         |
| oncopartner.de                       | giabri.com                    | concorcor.info                      | msacademia.org                        |
| oncologypartner.de                   | polybion.com                  | fortecortin.info                    | pkulife.info                          |
| onco-partner.de                      | sanzeza.com                   | glucoweb.info                       | msacademia.net                        |
| onkologie-innovationen.de            | xudaci.com                    | glucophage.info                     | msacademia.info                       |
| onkologieinnovationen.de             | cardio-slides.com             | diabex.info                         | startingfamiliesasia.com              |
| onkologiepartner.de                  | bisoprolol-slides.com         | glucovance.info                     | highclub.com                          |
| oral-ataccept.de                     | concor-slides.com             | unitems.asia                        | ms-portal.com                         |
| onko-partner.de                      | axiscenteronline.net          | praxilene.info                      | rebifevents.com                       |
| onkopartner.de                       | axiscenteronline.com          | rebistar.com                        | rebif-egypt.com                       |
| orale-ms-therapie.de                 | egrita.com                    | howifightms.com                     | rebif-algerie.com                     |
| oralemstherapie.de                   | egrita.net                    | howifightms.net                     | rebif-tunisie.com                     |
| oral-cladribin.de                    | cardiometabolic-care.info     | msanalyzerplus.com                  | fertilitylifelinesespanol.com         |
| orales-ms-medikament.de              | cardiometaboliccare.info      | rebidose.asia                       | cmcare-chf.net                        |
| oral-safinamid.de                    | erbloc.info                   | rebismart.asia                      | motivdia.com                          |
| oral-movectro.de                     | sanzeza.info                  | oncology.asia                       | calibrat.com                          |
| oral-cladribine.de                   | oncerb.info                   | familyofpens.net                    | agilesse.com                          |
| oral-safinamide.de                   | giabri.info                   | familyofpens.com                    | candistat.com                         |
| partnergegenkrebs.de                 | cardio-slides.info            | connectionsforgrowth.net            | tizorel.com                           |
| partner-gegen-krebs.de               | bisoprolol-slides.info        | ms-and-you.com                      | agilezza.com                          |
| patientenpartner.de                  | concor-slides.info            | livingwithms.net                    | rebifpregnancyregistry.com            |
| pharma-aktuell.de                    | axiscenteronline.info         | living-with-ms.com                  | candistat.info                        |
| pharmaaktuell.de                     | egrita.info                   | serophene-emds.com                  | agilezza.info                         |
| schilddrueseninstitut.de             | amiganpro.info                | serostimaxiscnter.net               | agilesse.info                         |
| schilddruesen-institut.de            | egrita.asia                   | serostimaxiscnter.com               | calibrat.info                         |
| schilddruese-partner.de              | amiganpro.asia                | serostimaxiscnter.info              | cardiotan.info                        |
| schilddrueseninstitut.de             | glucomega.com                 | connectionsforgrowth.info           | salvara.info                          |
| schilddruesen-institut.de            | amiganpro.net                 | familyofpens.info                   | diestat.info                          |
| schwesterdesjahres.de                | learningaboutgrowth.com       | recognizerespondrevive.com          | tizorel.info                          |
| schwester-des-jahres.de              | 1418-il2.com                  | familyofpens.asia                   | synix.info                            |
| spritzen-bei-ms.de                   | ks-il2.com                    | connectionsforgrowth.asia           | psoriaza.info                         |
| tablette-bei-ms.de                   | sarizotan.com                 | glucosure.com                       | stopwastingtimeftlaud.com             |
| therapie-darmkrebs.de                | rebidualog.com                | glucochoice.com                     | itbothersmeftlaud.com                 |
| tablette-gegen-ms.de                 | serostimhcup.com              | serostimaxiscnter.asia              | merck-oncology.com                    |
| xn--antikrpertherapie-partner-2rc.de | alcoweb.com                   | msinfocus.com                       | merck-oncology.net                    |
| xn--antikrpertherapie-info-yhc.de    | sep-reseau.net                | pku-info.com                        | ferti.net                             |
| xn--schilddrsen-institut-wec.de      | sanzeza.net                   | easypodus.com                       | justgrowth.net                        |
| xn--schilddrsen-institut-cbc.de      | sanzeza.net                   | remyelinationinms.com               | testcrctoday.com                      |
| xn--schilddrsen-institut-s6b.de      | msvillagcanada.com            | ceralifimodinvestigatorglobalnetwor | rasbiomarkers.com                     |
| bloghausms.de                        | hydroxycobalamin.org          | k.com                               | ras-test.com                          |
|                                      | hydroxycobalamin.info         | ceralifimodinspms.com               | nraswt.com                            |

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|--------------------------------|-------------------------------|------------------------------|---------------------------------------|
| mycrctest.com                  | pronivis.info                 | pkulife.asia                 | salvara.eu                            |
| mcrcbiomarker.com              | glioblastomasupport.info      | pku-info.asia                | synix.eu                              |
| crctest.net                    | histoscore.info               | cetrotide.info               | tizorel.eu                            |
| knowmycrc.com                  | egfexpression.info            | alphabetdesmots.com          | concorcor.eu                          |
| crctests.com                   | senselessymposium.com         | alphabetdesmotsducancer.com  | curabion.eu                           |
| allraswt.com                   | sepinform.com                 | coollearnings.com            | serojet.eu                            |
| mmh-japan.com                  | rebif.info                    | gerefer.com                  | ovidrel.eu                            |
| mcrcbiomarkers.com             | ovitrelle.info                | vilazodone.info              | livingwithibd.eu                      |
| seroject.com                   | rebijet.info                  | elite-ms.org                 | helpforibd.eu                         |
| cetrotide.net                  | saizen.info                   | corance.info                 | zemrik.eu                             |
| crctest.org                    | crinone.info                  | baby-wish.net                | oral-cladribine.eu                    |
| serostimaxiscenrter.org        | lueris.info                   | baby-wish.info               | xilento.eu                            |
| actileva.com                   | coolclick.info                | fertility-professionals.info | crohnsresource.eu                     |
| cetrotide.org                  | ovidrel.info                  | startingfamilies.asia        | lobrevo.eu                            |
| dyskinextin.org                | serostim.info                 | henzevio.com                 | endologic.eu                          |
| actileva.org                   | gonal-f.info                  | kenfiad.com                  | serophene.eu                          |
| axiscenteronline.org           | one-click.info                | pavludi.com                  | serostim.eu                           |
| dyskinextin.com                | clিকেeasy.info                | dapjenus.com                 | stilamin.eu                           |
| redilev.com                    | serojet.info                  | pedlumi.com                  | movectro.eu                           |
| regavid.com                    | easyject.info                 | baby-wish.eu                 | movectil.eu                           |
| kasevia.com                    | antide.info                   | avobrutinib.eu               | endotrack.eu                          |
| dyskinexx.com                  | reproductive-health.info      | davobrutinib.eu              | myarthritiis.eu                       |
| dyskinexx.org                  | growingtogether.info          | evobrutinib.eu               | livingwithcrohns.eu                   |
| pazella.com                    | fertilitylifelinestepwise.com | nivobrutinib.eu              | ulcerativecolitis.eu                  |
| kasevia.org                    | biopharmaceuticals.info       | duvobrutinib.eu              | livingwitharthritiis.eu               |
| movinorm.com                   | angiogenesisinhibitors.info   | avobrutinib.com              | oralcladribine.eu                     |
| movinorm.org                   | cetuximab.info                | davobrutinib.com             | pronivis.eu                           |
| pazella.org                    | septhon.com                   | evobrutinib.com              | myelomas.eu                           |
| redilev.org                    | immunozytokines.info          | nivobrutinib.com             | inflammatorydiseases.eu               |
| justgrowth.info                | femseven.info                 | duvobrutinib.com             | motivdia.eu                           |
| regavid.org                    | immunocytokines.info          | naxobrutinib.com             | alphabetdesmots.eu                    |
| easypod.info                   | integrin.info                 | naxobrutinib.eu              | alphabetdesmotsducancer.eu            |
| actileva.info                  | merckoncology.info            | erbitest.com                 | amiganpro.eu                          |
| dyskinextin.info               | bisoprololchf.info            | alumiyo.com                  | desirer-un-enfant.eu                  |
| dyskinexx.info                 | cancervac.info                | dialdose.com                 | egrita.eu                             |
| redilev.info                   | angiogenesis-inhibitors.info  | jectuit.com                  | familyofpens.eu                       |
| movinorm.info                  | betablocker.info              | jexeed.com                   | connectionsforgrowth.eu               |
| regavid.info                   | cancerintegrin.info           | aluetta.com                  | serostimaxiscenrter.eu                |
| kasevia.info                   | mitumomab.info                | kigex.com                    | msacademia.eu                         |
| pazella.info                   | prostate-cancer.info          | kinjek.com                   | sepetsport.eu                         |
| manteia.net                    | myocyte.info                  | tapjex.com                   | glioblastomasupport.eu                |
| fetilidadnet.com               | oncovac.info                  | zultrus.com                  | histoscore.eu                         |
| conlaem.com                    | lodoz.info                    | cetuxitest.com               | egfexpression.eu                      |
| targetcoloncancer.com          | infertilityinsights.com       | huejex.com                   | ms-elite.eu                           |
| targetbowelcancer.com          | monoclonal-antibodies.info    | jexendo.com                  | elite-ms.eu                           |
| ovitrelle.org                  | lung-cancer.info              | jexolute.com                 | remyelinationinmultiplesclerosis.eu   |
| glucophage.org                 | oncovaccine.info              | qiiza.com                    | ceralifimodandaxonalintegrity.eu      |
| grantforoncologyinnovation.org | biotherapeutics.info          | sanzesa.eu                   | axonalintegrityinmultiplesclerosis.eu |
| areyouwastingtimeftlaud.com    | fem7plus.info                 | cardicor.eu                  | axonalintegrityinms.eu                |
| ovitrelle.com                  | fusionproteins.info           | alcomed.eu                   | ceralifimod.eu                        |
| ovitrelle.net                  | renalcellcancer.info          | campral.eu                   | ceralifimod-this-one-key.eu           |
| serobif.com                    | bisoprolol-chf.info           | diabex.eu                    | ceralifimodandremyelination.eu        |
| schilddrueseninstitut.info     | femsevenplus.info             | glucomide.eu                 | ceralifimodinms.eu                    |
| cephoral.info                  | cancereceptors.info           | praxilene.eu                 | ceralifimodinmultiplesclerosis.eu     |
| determinaras.com               | renal-cell-cancer.info        | zacnan.eu                    | ceralifimodinprimaryprogressivemu     |
| ms-network-estonia.com         | cancervessels.info            | cardensiel.eu                | ltiplesclerosis.eu                    |
| rebif-estonia.com              | cardioprotection.info         | apsor.eu                     | ceralifimodinppms.eu                  |
| benfobion.com                  | colorectal-cancer.info        | stagid.eu                    | ceralifimodinprogressiveformsofms.    |
| niflux.com                     | cancer-vac.info               | glucophage.eu                | eu                                    |
| clindal.com                    | climacteric.info              | ostram.eu                    | ceralifimodinprogressiveformsofmu     |
| ibusoft.com                    | cilengitide.info              | diabete-services.eu          | ltiplesclerosis.eu                    |
| thrombo-asp.com                | concorchf.info                | gluriad.eu                   | ceralifimodinremittingformsofmulti    |
| thromboasp.com                 | monoclonalantibodies.info     | glucovance.eu                | plesclerosis.eu                       |
| pronivis.net                   | headandneck-cancer.info       | recognizerespondrevive.eu    | ceralifimodinremittingrelapsingmult   |
| pronivis.org                   | oncoterapy.info               | dianben.eu                   | iplesclerosis.eu                      |
| fertilitycanada.org            | ovarian-cancer.info           | dusodril.eu                  | ceralifimodinrms.eu                   |
| fertilitycanada.com            | breast-cancer.info            | glucoforum.eu                | ceralifimodinrrms.eu                  |
| gonalfcares.com                | egfr.info                     | semainedelathyroide.eu       | ceralifimodinsecondaryprogressive     |
| phase-one-ms.com               | femsevencombi.info            | semainethyroide.eu           | multiplesclerosis.eu                  |
| histoscore.com                 | concor-chf.info               | agilesse.eu                  | ceralifimodinpsms.eu                  |
| egfexpression.com              | medizinpartner.info           | agilezza.eu                  | ceralifimodininvestigatorglobalnetwor |
| emdcardiovascular.info         | medizin-partner.info          | calibral.eu                  | k.eu                                  |
| genadis.com                    | schilddruesen.info            | candistat.eu                 | remyelinationinms.eu                  |
| msandyou.com                   | schilddruesenpartner.info     | cardiotan.eu                 | cario.info                            |
| benfobion.info                 | bisoprolol.info               | diestat.eu                   | cognio.info                           |



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|------------------------|-----------------------|----------------------------|--------------------------------|
| nimsura.net            | pronivis.ch           | ovidrel.cn                 | rebiject.fr                    |
| nimsura.info           | rebiject.ch           | cetrotide.cn               | ovitrelle.fr                   |
| merelif.com            | xilento.ch            | zemrik.com.cn              | oneclick.fr                    |
| incadix.com            | zemrik.ch             | rebif.com.cn               | movectro.fr                    |
| relcadix.com           | ms-plus.ch            | stedralif.cn               | pronivis.fr                    |
| nimsura.com            | cetrotide.ch          | sanzesa.cn                 | luveris.fr                     |
| varims.com             | clিকেeasy.ch          | nimsura.cn                 | gonal-f.fr                     |
| cartifermin.com        | cool-click.ch         | unitems.cn                 | coolclick.fr                   |
| artrofermin.com        | crinone.ch            | zorbitive.biz              | clিকেeasy.fr                   |
| confermin.com          | easypod.ch            | hydroxycobalamin.biz       | zemrik.fr                      |
| condrofermin.com       | gonal-f.ch            | emdcardiovascular.biz      | xilento.fr                     |
| lifermin.com           | luveris.ch            | emdoncology.biz            | septhon.fr                     |
| flexofermin.com        | oneclick.ch           | hydroxocobalamin.biz       | grandir-ensemble.fr            |
| primafermin.com        | ovitrelle.ch          | rebiject.biz               | grandireensemble.fr            |
| octadecafermin.com     | pergoveris.ch         | rebif.biz                  | fertilite.fr                   |
| sprifermin.com         | serostim.ch           | ms-netzwerk.biz            | scleroseenplaques.fr           |
| ondrofermin.com        | recdate.ch            | bisoprolol.biz             | sclerose-en-plaques.fr         |
| codiffermin.com        | incadix.ch            | movectro.biz               | infertilite.fr                 |
| balkarmo.com           | rebiform.ch           | zemrik.biz                 | justegrandir.fr                |
| optovo.com             | glucophage-sachets.ch | avelumab.be                | merelif.fr                     |
| rebassist.de           | frepense.ch           | rebiject.be                | universep.fr                   |
| encadix.de             | stedralif.ch          | one-click.be               | club-thyroide.fr               |
| scienat.de             | ms-line.ch            | gonal-f.be                 | pku-info.fr                    |
| cerfi.de               | rebislide.ch          | rebif.be                   | desirer-un-enfant.fr           |
| merelif.de             | reblim.ch             | ms-network.be              | incadix.fr                     |
| incadix.de             | sanzesa.ch            | saizen.be                  | rebiform.fr                    |
| rebislide.de           | nimsura.ch            | encadix.fr                 | stedralif.fr                   |
| reblim.de              | sportfuermis.ch       | alcoweb.fr                 | frepense.fr                    |
| forielle.de            | sportpoursep.ch       | amycor.fr                  | reblim.fr                      |
| vadegi.com             | unitems.ch            | aotal.fr                   | rebislide.fr                   |
| detensiel.eu           | forielle.ch           | alphabetdesmots.fr         | sepetsport.fr                  |
| easypodconnect.eu      | lodoz.ch              | alphabetdesmotsducancer.fr | nimsura.fr                     |
| fertinews.de           | reseau-sep.ch         | iodence.fr                 | sanzesa.fr                     |
| ferti-news.de          | retesm.ch             | campral.fr                 | unitems.fr                     |
| erbitux.be             | rete-sm.ch            | cardensiel.fr              | tecemotide.fr                  |
| cholesterol-control.be | sepetsport.ch         | diabex.fr                  | euocrinone.fr                  |
| cholesterolcontrol.be  | saizen.ch             | dianben.fr                 | msdialog.fr                    |
| serojet.be             | forielle.cn           | erbitux.fr                 | ms-dialog.fr                   |
| coolclick.be           | glucophage.com.cn     | glucoforum.fr              | avelumab.fr                    |
| clিকেeasy.be           | hyrozol.com.cn        | glucomide.fr               | avelumab.nl                    |
| serostim.be            | erbitux.net.cn        | glucophage.fr              | rebismart.nl                   |
| rebismart.be           | heartfailure.com.cn   | glucovance.fr              | msacademia.nl                  |
| merckoncology.be       | erbitux.com.cn        | glucoweb.fr                | unitems.nl                     |
| sepetsport.be          | erbitux.org.cn        | gluriad.fr                 | msdialog.nl                    |
| cardiometabollcare.be  | euthyrox.com.cn       | levothyrox.fr              | ms-netwerk.nl                  |
| campral.be             | thyroid.com.cn        | ostram.fr                  | rebif.nl                       |
| mijncholesterol.be     | concor.com.cn         | praxilene.fr               | ms-dialog.nl                   |
| moncholesterol.be      | rebldose.cn           | semainedelathyroide.fr     | scienat.cn                     |
| uwcholesterol.be       | rebismart.cn          | apsor.fr                   | encadix.cn                     |
| votrecholesterol.be    | erbitux.cn            | recognizerespondrevive.fr  | rebassist.cn                   |
| ms-dialog.be           | lodoz.cn              | dabex.fr                   | merelif.cn                     |
| msdialog.be            | egfr.cn               | detensiel.fr               | cerfi.cn                       |
| emconcor.be            | thyrolink.cn          | dusodril.fr                | xn--m8t152c.cn                 |
| avelumab.ch            | heartfailure.cn       | stadid.fr                  | alcomed.fr                     |
| erbitux.ch             | crinone.cn            | zacnan.fr                  | reblim.cn                      |
| cetuximab.ch           | rebif.cn              | semainethyroide.fr         | rebislide.cn                   |
| campral.ch             | fertilityasia.cn      | diabete-services.fr        | incadix.cn                     |
| concor.ch              | xilento.cn            | rebassist.fr               | baby-wish.co.uk                |
| dancor.ch              | one-click.cn          | rebldose.fr                | professionalsinfertility.co.uk |
| euthyrox.ch            | coolclick.cn          | rebismart.fr               | rebldose.co.uk                 |
| glucophage.ch          | saizen.com.cn         | motivdia.fr                | rebismart.co.uk                |
| glucovance.ch          | pergoveris.cn         | metogluco.fr               | campralec.co.uk                |
| rebldose.ch            | movectro.cn           | easynurseathome.fr         | cholesterol-control.co.uk      |
| rebismart.ch           | saizen.cn             | metgluco.fr                | merckdiabetes.co.uk            |
| msnetwork.ch           | one-click.com.cn      | sep-info.fr                | glucophagesr.org.uk            |
| ms-network.ch          | zemrik.cn             | rebif.fr                   | glucophagesr.co.uk             |
| msnetzwerk.ch          | coolclick.com.cn      | targetmycancer.fr          | femseven.co.uk                 |
| ms-netzwerk.ch         | pronivis.cn           | crinone.fr                 | praxilene.co.uk                |
| mysmsline.ch           | easypod.cn            | serostim.fr                | slozem.co.uk                   |
| rebif.ch               | gonal-f.cn            | scienat.fr                 | cetuximab.co.uk                |
| reseausep.ch           | luveris.cn            | pergoveris.fr              | glucovance.co.uk               |
| lebenmitms.ch          | serostim.cn           | easypod.fr                 | cardicor.co.uk                 |
| leben-mit-ms.ch        | rebiject.cn           | cetrotide.fr               | targetmycancer.co.uk           |
| movectro.ch            | xilento.com.cn        | saizen.fr                  | ms-network.co.uk               |
| msline.ch              | clিকেeasy.cn          | rebinfo.fr                 | rebifsupport.co.uk             |

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|                     |                     |                         |                        |
|---------------------|---------------------|-------------------------|------------------------|
| merelif.co.uk       | cetuximab.kr        | unitems.no              | denvar.mx              |
| clickeasy.co.uk     | erbitux.kr          | erbitux.at              | eutirox.mx             |
| coolclick.co.uk     | gluriad.kr          | fertinet.at             | glucovance.mx          |
| rebiject.co.uk      | rebidose.kr         | lebenmitms.at           | rebidose.mx            |
| saizen.co.uk        | rebismart.kr        | livingwithms.at         | rebismart.mx           |
| cetrotide.co.uk     | pergoveris.kr       | living-with-ms.at       | encadix.mx             |
| crinone.co.uk       | rebif.kr            | rebif.at                | easypod.mx             |
| gonal-f.co.uk       | gonal-f.kr          | leben-mit-ms.at         | saizen.mx              |
| justgrowth.co.uk    | cool-click.co.kr    | ms-network.at           | serostim.mx            |
| luveris.co.uk       | gonal-f.co.kr       | rebiv.at                | pergoveris.mx          |
| movectro.co.uk      | luveris.co.kr       | gonal-f.at              | clickeasy.mx           |
| ovitrelle.co.uk     | clickeasy.co.kr     | rebiject.at             | coolclick.mx           |
| pronivis.co.uk      | cetrotide.co.kr     | braf.at                 | rebif.mx               |
| pergoveris.co.uk    | zemrik.co.kr        | recdate.at              | oneclick.mx            |
| rebif.co.uk         | xilento.co.kr       | rebif.co.at             | rebiject.mx            |
| serojet.co.uk       | rebif.co.kr         | herzkreislauf.at        | incadix.mx             |
| serostim.co.uk      | easypod.co.kr       | blutdruckratgeber.at    | rebiform.mx            |
| xilento.co.uk       | rebiject.co.kr      | colitis.at              | frepensio.mx           |
| zemrik.co.uk        | serostim.co.kr      | herzschwaechte.at       | stedralif.mx           |
| pku-info.co.uk      | pronivis.co.kr      | metformin.at            | rebislim.mx            |
| rebiform.co.uk      | ovidrel.co.kr       | diabetespartner.at      | rebislim.mx            |
| frepensio.co.uk     | fertilityasia.co.kr | herzpartner.at          | gonal-f.mx             |
| stedralif.co.uk     | rebiform.kr         | schilddruesenpartner.at | nimsura.mx             |
| nimsura.co.uk       | frepensio.kr        | rebismart.at            | sanzesa.mx             |
| sanzesa.co.uk       | stedralif.kr        | onkonews.at             | movectro.mx            |
| fertilitywise.co.uk | nimsura.kr          | merck-onkologie.at      | movectro.com.mx        |
| arthritisbook.co.uk | sanzesa.kr          | kopf-hals-tumore.at     | forielle.mx            |
| ms-dialog.co.uk     | movectro.kr         | euthyrox.at             | tecemotide.mx          |
| msdialog.co.uk      | avelumab.co.kr      | darmkrebs.at            | expertosendolor.mx     |
| avelumab.co.uk      | avanclad.ae         | cetuximab.at            | expertosendolor.com.mx |
| cerfi.co.uk         | clavido.ae          | onkovakzine.at          | encadix.nu             |
| encadix.co.uk       | vectroclad.ae       | targeted-therapies.at   | rebassist.nu           |
| rebassist.co.uk     | avanclad.co         | schilddruesenhormone.at | merelif.nu             |
| scienat.co.uk       | clavido.co          | livingms.at             | rebismart.nu           |
| incadix.co.uk       | vectroclad.co       | living-ms.at            | cerfi.nu               |
| rebislim.co.uk      | avanclad.co.il      | unite-ms.at             | rebidose.nu            |
| rebislim.co.uk      | clavido.co.il       | diabetes-und-ich.at     | scienat.nu             |
| campral.co.uk       | vectroclad.co.il    | ms-dialog.at            | coolclick.nu           |
| rebismart.com.co    | avanclad.ec         | msdialog.at             | easypod.nu             |
| fertilidad.com.co   | clavido.ec          | kras-registry.at        | fertility.nu           |
| incadix.com.co      | vectroclad.ec       | encadix.cz              | movectro.nu            |
| rebassist.com.co    | avanclad.in         | zemrik.cz               | msbehhandling.nu       |
| encadix.com.co      | clavido.in          | xilento.cz              | oneclick.nu            |
| movectro.com.co     | vectroclad.in       | coolclick.cz            | rebif.nu               |
| clickeasy.co        | avanclad.mx         | movectro.cz             | rebiject.nu            |
| easypod.co          | clavido.mx          | rebif.cz                | saizen.nu              |
| merelif.co          | vectroclad.mx       | oneclick.cz             | sclerosebehhandling.nu |
| movectro.co         | avanclad.pe         | cetrotide.cz            | serostim.nu            |
| pergoveris.co       | clavido.pe          | crinone.cz              | xilento.nu             |
| pronivis.co         | vectroclad.pe       | rebiject.cz             | zemrik.nu              |
| rebif.co            | avanclad.ru         | saizen.cz               | clickeasy.nu           |
| zemrik.co           | clavido.ru          | serostim.cz             | incadix.nu             |
| xilento.co          | vectroclad.ru       | clickeasy.cz            | rebiform.nu            |
| stedralif.co        | avanclad.tw         | lecbaneplodnosti.cz     | stedralif.nu           |
| sanzesa.co          | clavido.tw          | gonal-f.cz              | frepensio.nu           |
| rebif.com.co        | vectroclad.tw       | luveris.cz              | rebislim.nu            |
| rebiform.co         | avanclad.co.za      | ovitrelle.cz            | rebislim.nu            |
| sanzesa.com.co      | clavido.co.za       | lecba-neplodnosti.cz    | nimsura.nu             |
| nimsura.com.co      | vectroclad.co.za    | assistedconception.cz   | sanzesa.nu             |
| targetmycancer.co   | avanclad.ly         | forielle.cz             | rebif.tv               |
| avelumab.co         | clavido.ly          | size-me.com.mx          | medizinpartner.tv      |
| rebislim.co         | vectroclad.ly       | artrenesr.com.mx        | erbitux.tv             |
| rebislim.co         | avanclad.com.ve     | concor.com.mx           | mslifeline.tv          |
| forielle.co         | clavido.com.ve      | denvar.com.mx           | mslifelines.tv         |
| glucophage.co.kr    | vectroclad.com.ve   | dabex.com.mx            | mslife-lines.tv        |
| glucovance.co.kr    | avelumab.no         | glucovance.com.mx       | mslife-line.tv         |
| concor.co.kr        | bh4.no              | eutirox.com.mx          | gonal-f.se             |
| diabex.co.kr        | cladribine.no       | biconcor.com.mx         | pergoveris.se          |
| cetuximab.co.kr     | fertility.no        | dabexxr.com.mx          | saizen.se              |
| erbitux.co.kr       | movectro.no         | rebismart.com.mx        | ms-network.se          |
| gluriad.co.kr       | ms-network.no       | artrenesr.mx            | fertility.se           |
| glucophage.kr       | msdialog.no         | biconcor.mx             | ms-natvark.se          |
| glucovance.kr       | mssiden.no          | concor.mx               | cerfi.se               |
| concor.kr           | rebif.no            | dabex.mx                | encadix.se             |
| diabex.kr           | rebismart.no        | dabexxr.mx              | merelif.se             |

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|                      |                                       |                         |                         |
|----------------------|---------------------------------------|-------------------------|-------------------------|
| rebassist.se         | clavido.ro                            | movectro.it             | unitems.es              |
| scienat.se           | vectroclad.ro                         | pronivis.it             | tecemotide.es           |
| easypod.se           | avanclad.se                           | rebiject.it             | concibe.es              |
| incadix.se           | clavido.se                            | serostim.it             | ms-dialog.es            |
| rebiform.se          | vectroclad.se                         | xilento.it              | msdialog.es             |
| frepensio.se         | avanclad.si                           | zemrik.it               | conlaem.es              |
| stedralif.se         | clavido.si                            | assistedconception.it   | cetuximab.co.za         |
| rebislide.se         | vectroclad.si                         | gonal-f.it              | erbitux.co.za           |
| rebislim.se          | avanclad.uk                           | nanismo.it              | rebif.co.za             |
| sanzesa.se           | clavido.uk                            | rebif.it                | unitems.co.za           |
| nimsura.se           | vectroclad.uk                         | rebinfo.it              | merelif.es              |
| ms-dialog.se         | avanclad.com.hr                       | saizen.it               | scienat.es              |
| msdialog.se          | clavido.com.hr                        | sclerosi-multipia.it    | encadix.es              |
| avelumab.pl          | vectroclad.com.hr                     | centrifertilita.it      | cerfi.es                |
| stop-nieplodnosci.pl | avanclad.com.mt                       | clickeasy.it            | rebassist.es            |
| ms-network.pl        | clavido.com.mt                        | coolclick.it            | incadix.es              |
| sm-network.pl        | vectroclad.com.mt                     | fertilitaonline.it      | rebislide.es            |
| rebif.pl             | avanclad.hr                           | infertilitamaschile.it  | rebislim.es             |
| rebismart.pl         | clavido.hr                            | infertilitafemminile.it | avanclad.com.au         |
| targetmycancer.pl    | vectroclad.hr                         | one-click.it            | clavido.com.au          |
| avanclad.at          | avanclad.lt                           | centristerilita.it      | vectroclad.com.au       |
| clavido.at           | clavido.lt                            | medicinariproduttiva.it | fertility.com.cn        |
| vectroclad.at        | vectroclad.lt                         | terapiaormonale.it      | encadix.ch              |
| avanclad.be          | avanclad.lv                           | terapia-ormonale.it     | rebassist.ch            |
| clavido.be           | clavido.lv                            | easypod.it              | scienat.ch              |
| vectroclad.be        | vectroclad.lv                         | pergoveris.it           | avanclad.cn             |
| avanclad.ch          | avanclad.pl                           | rebiform.it             | clavido.cn              |
| clavido.ch           | rebidoso.it                           | ms-dialog.it            | vectroclad.cn           |
| vectroclad.ch        | genadis.it                            | msdialog.it             | avanclad.hk             |
| avanclad.co.at       | incadix.it                            | mrcbiomarkers.it        | clavido.hk              |
| clavido.co.at        | targetmycancer.it                     | msbehhandling.dk        | vectroclad.hk           |
| vectroclad.co.at     | frepensio.it                          | sclerosebehhandling.dk  | cetuximab.sk            |
| avanclad.co.uk       | stedralif.it                          | rebismart.dk            | erbitux.sk              |
| clavido.co.uk        | genitoriconsclerosimultipia.it        | rebif.dk                | onkoinfo.sk             |
| vectroclad.co.uk     | avelumab.it                           | ms-network.dk           | saizen.sk               |
| avanclad.com.gr      | ras-aktive.it                         | krasinfo.dk             | rebismart.sk            |
| clavido.com.gr       | latiroideonline.it                    | movectro.dk             | avanclad.ca             |
| vectroclad.com.gr    | rebassist.it                          | targetmycancer.dk       | clavido.ca              |
| avanclad.com.lv      | encadix.it                            | avelumab.dk             | vectroclad.ca           |
| clavido.com.lv       | tecemotide.it                         | avelumab.es             | clavido.by              |
| vectroclad.com.lv    | sclerosimultipiaonline.it             | precisaras.es           | avanclad.by             |
| avanclad.com.pl      | professionisti-fertilita.it           | dianben.es              | vectroclad.by           |
| vectroclad.com.pl    | clickserviceonline.it                 | rebidoso.es             | adherqol.ca             |
| avanclad.com.pt      | rebislim.it                           | concibefertilidad.es    | assistedconception.ca   |
| clavido.com.pt       | rebislide.it                          | rebismart.es            | avelumab.ca             |
| vectroclad.com.pt    | pku-info.it                           | targetmycancer.es       | cerfi.ca                |
| avanclad.com.ro      | erbitux.it                            | rebif.es                | clickeasy.ca            |
| clavido.com.ro       | ms-network.it                         | movectro.es             | cetrotide.ca            |
| vectroclad.com.ro    | kras-info.it                          | serojet.es              | connectionsforgrowth.ca |
| avanclad.cz          | kras-aktive.it                        | pronivis.es             | coolclick.ca            |
| clavido.cz           | sanzesa.it                            | gonal-f.es              | crinone.ca              |
| vectroclad.cz        | nimsura.it                            | one-click.es            | dialog-ms.ca            |
| avanclad.de          | 2millionidibambini.it                 | pergoveris.es           | dialogms.ca             |
| clavido.de           | genitorisipuoancheconlasclerosimult   | easypod.com.es          | e-sync.ca               |
| vectroclad.de        | ipla.it                               | easypod.es              | easypod.ca              |
| avanclad.dk          | genitori-sclerosi-multipia.it         | rebiject.es             | easypodartcontest.ca    |
| clavido.dk           | avanclad.pt                           | clickeasy.es            | easypodconnect.ca       |
| vectroclad.dk        | clavido.pt                            | coolclick.es            | encadix.ca              |
| clavido.pl           | vectroclad.pt                         | ms-network.com.es       | fertilite.ca            |
| vectroclad.pl        | avanclad.ee                           | pronivis.com.es         | fertilitecanada.ca      |
| clavido.com.pl       | clavido.ee                            | saizen.es               | fertilitycanada.ca      |
| avanclad.net         | vectroclad.ee                         | serostim.es             | frepensio.ca            |
| clavido.net          | avanclad.gr                           | xilento.es              | gonal-f.ca              |
| vectroclad.net       | clavido.gr                            | zemrik.es               | gonalf.ca               |
| avanclad.org         | vectroclad.gr                         | pku-info.es             | incadix.ca              |
| clavido.org          | avanclad.ie                           | rebiform.es             | injectionsuccess.ca     |
| vectroclad.org       | clavido.ie                            | frepensio.es            | justgrowth.ca           |
| avanclad.info        | avanclad.it                           | stedralif.es            | lueris.ca               |
| clavido.info         | vectroclad.ie                         | 360fertilidad.es        | merelif.ca              |
| vectroclad.info      | clavido.it                            | nimsura.es              | monmomentum.ca          |
| avanclad.biz         | vectroclad.it                         | sanzesa.es              | movectro.ca             |
| clavido.biz          | genitorisipuoconlasclerosimultipia.it | espaciovfertilidad.es   | ms-dialog.ca            |
| vectroclad.biz       | genitorisipuo.it                      | eltiroides.es           | msappsconnect.ca        |
| encadix.mobi         | genitoriesclerosimultipia.it          | disfunciontiroides.es   | msdialog.ca             |
| avanclad.ro          | rebismart.it                          | mitiroides.es           | msprogram.ca            |

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|                         |                             |                                  |                                    |
|-------------------------|-----------------------------|----------------------------------|------------------------------------|
| msvillagecanada.ca      | gonal-f.com.au              | vectroclad.lu                    | rebassist.tw                       |
| mymomentum.ca           | justgrowth.com.au           | avanclad.nl                      | incadix.tw                         |
| nimsura.ca              | movectro.com.au             | clavido.nl                       | rebidose.tw                        |
| one-click.ca            | ms-dialog.com.au            | vectroclad.nl                    | rebidose.tw                        |
| ovidrel.ca              | msdialog.com.au             | ms-network.com.au                | forielle.tw                        |
| pergoveris.ca           | msonline.com.au             | repronews.de                     | kuvalla.cl                         |
| pillarprogram.ca        | rebif.com.au                | fertilityreviewprogram.com       | rebif.cl                           |
| pronivis.ca             | rebismart.com.au            | fertilityreviewprogram.ca        | semanatiroides.cl                  |
| realmsvoices.ca         | testtailortreat.com.au      | professionistidellafertilita.it  | semanainternacionaldelatiroides.cl |
| rebassist.ca            | unitems.com.au              | professionistidellafertilita.com | fertility.cl                       |
| rebidialog.ca           | xilento.com.au              | merckras.com.br                  | erbitux.ru                         |
| rebidose.ca             | targetmycancer.com.au       | erbitux.se                       | cetuximab.ru                       |
| rebif.ca                | fertilityasia.com.my        | cerfi.kr                         | kuvan.ru                           |
| rebiform.ca             | sportforms.ch               | encadix.kr                       | rebidose.ru                        |
| rebiject.ca             | sportpersclerosimultipla.ch | rebassist.kr                     | rebismart.ru                       |
| rebidslide.ca           | cerfi.it                    | scienat.kr                       | incadix.ru                         |
| rebidlim.ca             | scienat.it                  | incadix.kr                       | stedralif.ru                       |
| rebismart.ca            | neuroakademien.se           | rebidlim.kr                      | freprenso.ru                       |
| regroupementsep.ca      | avelumab.se                 | rebidslide.kr                    | cetrotide.ru                       |
| reussirlesinjections.ca | coolclick.in                | fertilitaets-experten.at         | click-easy.ru                      |
| ridingtobeatms.ca       | clিকেeasy.in                | oncologypros.com                 | coolclick.ru                       |
| saizen.ca               | luveris.in                  | oncologyprof.com                 | crinone.ru                         |
| sanzesa.ca              | crinone.in                  | oncologyaction.com               | gonal-f.ru                         |
| scienat.ca              | gonal-f.in                  | oncoaction.com                   | luveris.ru                         |
| serojet.ca              | ovidrel.in                  | cardiometabolic.cl               | movectro.ru                        |
| serophene.ca            | saizen.in                   | cardiometabolico.cl              | one-click.ru                       |
| serostim.ca             | serostim.in                 | cholesterol-control.cl           | rebif.ru                           |
| stedralif.ca            | cetrotide.in                | cholesterolcontrol.cl            | saizen.ru                          |
| touchms.ca              | avanclad.cl                 | conocerdecancer.cl               | xilento.ru                         |
| unitems.ca              | clavido.cl                  | eutirox.cl                       | zemrik.ru                          |
| xilento.ca              | vectroclad.cl               | glucomovil.cl                    | pronivis.ru                        |
| zemrik.ca               | avanclad.com.ar             | erbitux.co.il                    | ovitrelle.ru                       |
| avanclad.no             | avanclad.com.br             | cetuximab.co.il                  | ovidrel.ru                         |
| clavido.no              | clavido.com.br              | nimsura.co.il                    | rebiject.ru                        |
| vectroclad.no           | vectroclad.com.br           | sanzesa.co.il                    | serostim.ru                        |
| clavido.fr              | avanclad.kr                 | targetmycancer.co.il             | merelif.ru                         |
| avanclad.fr             | clavido.kr                  | msdialog.co.il                   | encadix.ru                         |
| vectroclad.fr           | vectroclad.kr               | ms-dialog.co.il                  | rebassist.ru                       |
| avanclad.is             | vectroclad.sy               | encadix.me                       | easypod.ru                         |
| clavido.is              | avanclad.com.kw             | easypodconnect.at                | pergoveris.ru                      |
| vectroclad.is           | clavido.com.kw              | fertility-professionals.in       | cerfi.ru                           |
| avanclad.rs             | vectroclad.com.kw           | skintox.at                       | scienat.ru                         |
| clavido.rs              | avanclad.dz                 | premiomerckneurologia.it         | clিকেeasy.ru                       |
| vectroclad.rs           | avanclad.id                 | premiomerckneurologia.com        | rebidslide.ru                      |
| avanclad.es             | clavido.id                  | oncologypros.co.uk               | rebidlim.ru                        |
| clavido.es              | vectroclad.id               | oncologyprof.co.uk               | sanzesa.ru                         |
| vectroclad.es           | avanclad.ir                 | oncologyaction.co.uk             | nimsura.ru                         |
| avanclad.sk             | clavido.ir                  | oncoaction.co.uk                 | unitems.ru                         |
| clavido.sk              | vectroclad.ir               | i-oncology.co.uk                 | forielle.ru                        |
| vectroclad.sk           | avanclad.jo                 | cerfi.co                         | fertilitynews.ru                   |
| avanclad.hu             | clavido.jo                  | coolclick.co                     | avelumab.ru                        |
| clavido.hu              | vectroclad.jo               | encadix.co                       | forielle.ca                        |
| vectroclad.hu           | avanclad.ma                 | gonal-f.co                       | fertilityasia.hk                   |
| avanclad.co.hu          | clavido.ma                  | incadix.co                       | movectro.hk                        |
| clavido.co.hu           | vectroclad.ma               | rebidose.co                      | cetrotide.hk                       |
| vectroclad.co.hu        | avanclad.ba                 | rebiject.co                      | clিকেeasy.hk                       |
| avanclad.tn             | clavido.ba                  | rebismart.co                     | coolclick.hk                       |
| clavido.tn              | vectroclad.ba               | saizen.co                        | pronivis.hk                        |
| vectroclad.tn           | vectroclad.com.cy           | merelif.ch                       | rebif.hk                           |
| avanclad.kz             | vectroclad.com.ar           | msdialog.ch                      | xilento.hk                         |
| clavido.kz              | rebif.sk                    | repro-news.de                    | zemrik.hk                          |
| vectroclad.kz           | cetuximab.com.br            | rebidose.tw                      | serostim.hk                        |
| avanclad.sg             | erbitux.com.br              | rebismart.tw                     | crinone.hk                         |
| clavido.sg              | freprenso.com.br            | pergoveris.tw                    | gonal-f.hk                         |
| vectroclad.sg           | merckoncologia.com.br       | rebif.tw                         | luveris.hk                         |
| avanclad.qa             | nimsura.com.br              | movectro.tw                      | ovidrel.hk                         |
| clavido.qa              | rebidose.com.br             | fertilityasia.com.tw             | one-click.hk                       |
| vectroclad.qa           | rebiform.com.br             | saizen.tw                        | coolclick.com.hk                   |
| avanclad.om             | rebismart.com.br            | fertilityasia.tw                 | one-click.com.hk                   |
| clavido.om              | sanzesa.com.br              | rebiform.tw                      | rebif.com.hk                       |
| vectroclad.om           | stedralif.com.br            | nimsura.tw                       | fertilityasia.hk                   |
| avanclad.fi             | todosobriediabetes.com.br   | sanzesa.tw                       | saizen.hk                          |
| clavido.fi              | mycoverone.com              | freprenso.tw                     | zemrik.com.hk                      |
| vectroclad.fi           | avanclad.lu                 | stedralif.tw                     | xilento.com.hk                     |
| beingthereforyou.com.au | clavido.lu                  | encadix.tw                       | movectro.com.hk                    |

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| nimsura.hk                  | frepensio.ie                | rebassist.com.mx        | mhh-s.jp                      |
| fertilityasia.com.hk        | erbitux.ie                  | scienat.com.mx          | movectro.jp                   |
| frepensio.hk                | encadix.ie                  | merelif.ae              | oneclick.jp                   |
| merelif.hk                  | easypod.ie                  | movectro.ae             | ovidrel.jp                    |
| pergoveris.hk               | coolclick.ie                | rebif.ae                | pronivis.jp                   |
| rebijet.hk                  | clিকেeasy.ie                | xilento.ae              | rebif.jp                      |
| rebiform.hk                 | cerfi.ie                    | zemrik.ae               | saizen.jp                     |
| stedralif.hk                | baby-wish.ie                | clিকেeasy.ae            | serostim.jp                   |
| oncologypros.ie             | avelumab.ie                 | coolclick.ae            | xilento.jp                    |
| oncologyprof.ie             | rebif-ready.com.au          | easypod.ae              | zemrik.jp                     |
| oncologyaction.ie           | rebif-ready.com             | gonal-f.ae              | easypod.jp                    |
| oncoaction.ie               | rebiform.ru                 | oneclick.ae             | gonalef.jp                    |
| i-oncology.ie               | rebassist.ae                | pergoveris.ae           | pergoveris.jp                 |
| unitems.cz                  | encadix.ae                  | rebijet.ae              | serojet.jp                    |
| stopneplodnosti.cz          | rebismart.ae                | saizen.ae               | growthscience.jp              |
| sklerozamultiplex.cz        | rebidoso.ae                 | serostim.ae             | nimsura.jp                    |
| rebismart.cz                | cetrotide.ae                | raskaudensuunnittelu.fi | sanzena.jp                    |
| rebidoso.cz                 | incadix.ae                  | msdialog.fi             | merkelzell.de                 |
| rebassist.cz                | rebiflite.ae                | ms-dialog.fi            | merkelzellkarzinom.de         |
| pergoveris.cz               | rebiform.ae                 | avelumab.fi             | bavencio.de                   |
| psoriasis-lupenka.cz        | frepensio.ae                | fertility.fi            | xn--pdl1antikrper-qmb.de      |
| lupenka-psoriasis.cz        | stedralif.ae                | rebif.fi                | pdl1perspectives.de           |
| psoriaticka-artritida.cz    | rebislide.ae                | rebif.se                | oncomerck.ch                  |
| pronivis.cz                 | rebislim.ae                 | fertility.pt            | ovitrelle.asia                |
| euthyrox.cz                 | sanzena.ae                  | ms-dialog.pt            | click-easy.asia               |
| poruchyrystu.cz             | nimsura.ae                  | msdialog.pt             | serojet.asia                  |
| erbitux.cz                  | unitems.ae                  | avelumab.pt             | glucophage.asia               |
| nemoci-kuze.cz              | forielle.ae                 | rebismart.com.pt        | mslifelines.asia              |
| glucophage.cz               | frepensio.cz                | rebicare.pt             | erbitux.asia                  |
| lodoz.cz                    | stedralif.cz                | unitems.pt              | one-click.asia                |
| mojerakovina.cz             | nimsura.cz                  | rebidoso.hk             | cool-click.asia               |
| merelif.cz                  | sanzena.cz                  | easypod.hk              | saizen.asia                   |
| easypod.cz                  | erbitux.si                  | sanzena.hk              | rebif.asia                    |
| concor.cz                   | concor.si                   | rebislide.hk            | serostim.asia                 |
| cholesterolcontrol.cz       | euthyrox.si                 | rebislim.hk             | ovidrel.asia                  |
| cholesterol-control.cz      | glucovance.si               | forielle.hk             | luveris.asia                  |
| cetuximab.cz                | glucophage.si               | rebassist.hk            | gonal-f.asia                  |
| cestazaduhou.cz             | lodoz.si                    | encadix.hk              | stilamin.asia                 |
| cerfi.cz                    | psoriane.si                 | incadix.hk              | crinone.asia                  |
| bisoprolol.cz               | rebismart.si                | cerfi.hk                | cetrotide.asia                |
| biologickalecba.cz          | rebif.si                    | scienat.hk              | euthyrox.asia                 |
| biologicka-lecba.cz         | xn--tarnozdravljenje-u7b.si | encadix.com.hk          | freiheit-mit-ms.de            |
| avelumab.cz                 | targetmycancer.si           | rebassist.com.hk        | glucophagemetformin.net       |
| scienat.cz                  | cerfi.ae                    | rebidoso.se             | northstartrials.com           |
| fenylketonurie.cz           | scienat.ae                  | rebismart.se            | ovidrelle.com                 |
| incadix.cz                  | psoriza-lupenka.cz          | one-click.co            | ovidrel.com                   |
| rebiform.cz                 | erbitux.gr                  | rebismart.fi            | infertilitypatientjourney.com |
| rebislide.cz                | fertilitynews.gr            | cerfi.jp                | fertilitypatientjourney.com   |
| rebislim.cz                 | ms-network.gr               | ookikunaare.jp          | infertilepatientjourney.com   |
| msdnes.cz                   | rebismart.gr                | kras-info.jp            | gonalfus.com                  |
| zemrik.ie                   | cetuximab.gr                | erbitux.jp              | oncologydownloads.com         |
| xilento.ie                  | unitems.gr                  | tecemotide.jp           | luveris.com                   |
| stedralif.ie                | fertility-greece.gr         | onconnect.jp            | fertilidadnet.com             |
| serostim.ie                 | avelumab.gr                 | avelumab.jp             | cidocef.com                   |
| serojet.ie                  | alkoholizm.pl               | rebidoso.jp             | helpforibd.com                |
| scienat.ie                  | bisoprolol.pl               | rebismart.jp            | livingwithcrohns.com          |
| sanzena.ie                  | cardionews.pl               | merelif.jp              | ratoday.com                   |
| saizen.ie                   | cetuximab.pl                | rebiform.jp             | raandme.com                   |
| rebismart.ie                | cholesterol-control.pl      | stedralif.jp            | ibdaction.com                 |
| rebislim.ie                 | cholesterolcontrol.pl       | frepensio.jp            | fertilityasia.com             |
| rebislide.ie                | erbitux.pl                  | fertil.jp               | sclerosi.com                  |
| rebijet.ie                  | lewotyroksyna.pl            | rebassist.jp            | erbitux-international.com     |
| rebiform.ie                 | nowotwory.pl                | scienat.jp              | serostimforinjection.com      |
| rebif.ie                    | pronivis.com.mx             | encadix.jp              | serostimhgh.com               |
| rebidoso.ie                 | zemrik.com.mx               | incadix.jp              | serostiminjection.com         |
| rebassist.ie                | xilento.com.mx              | rebislide.jp            | transceiver-device.com        |
| professionalsinfertility.ie | coolclick.com.mx            | rebislim.jp             | msonward.com                  |
| pergoveris.ie               | easypod.com.mx              | forielle.jp             | pergoveris.com                |
| oneclick.ie                 | rebif.com.mx                | fertilityasia.jp        | fertilityassist2.com          |
| nimsura.ie                  | rebijet.com.mx              | gonal-f.jp              | fertility.com                 |
| movectro.ie                 | serojet.com.mx              | cetrotide.jp            | cimidona.com                  |
| merelif.ie                  | serostim.com.mx             | clিকেeasy.jp            | emdseronoinoncology.com       |
| livingwithms.ie             | cerfi.com.mx                | coolclick.jp            | emdoncology.com               |
| incadix.ie                  | encadix.com.mx              | crinone.jp              | saizenus.com                  |
| gonal-f.ie                  | merelif.com.mx              | luveris.jp              | serofine.com                  |

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| medizinpartner.com             | sclerosimultipla.info                   | crohnsresource.net           | avelumab.ee            |
| hivmetabolics.com              | sclerosi-multipla.info                  | raresource.net               | rebif.pro              |
| onwardstudy.com                | endocrinologia-pediatrica.info          | msatwork.net                 | rebiject.pro           |
| hivmetabolicscenter.com        | nanismo.info                            | msandwork.net                | cerfi.sg               |
| alergiaexpert.com              | ipostaturalita.info                     | sclerosi.net                 | encadix.sg             |
| maestrostudy.com               | movectil.info                           | pergoveris.net               | kuvan.sg               |
| eucrinone.com                  | cimidona.info                           | lobrevo.net                  | forielle.sg            |
| erbitux-merck.com              | msprogram.info                          | movectil.net                 | incadix.sg             |
| oralcladribine.com             | lobrevo.info                            | msprogram.net                | merelif.sg             |
| cladribinetalets.com           | grandiraveclesautres.info               | crohndisease.net             | rebassist.sg           |
| cladribinems.com               | erbitux-merck.info                      | grandiraveclesautres.net     | rebislide.sg           |
| cladribinetalet.com            | safinamide.info                         | msbehaling.net               | reblim.sg              |
| thyroweek.com                  | hydroxocobalamin.info                   | sclerosebehaling.net         | scienat.sg             |
| muc1incancer.com               | combination-is-key.info                 | desirer-un-enfant.net        | expertosendolor.org.mx |
| muc1cancer.com                 | xilento.info                            | hydroxocobalamin.net         | rebidose.sg            |
| fertilitecanada.com            | tepotinib.info                          | xilento.net                  | rebismart.sg           |
| msassistance.com               | ventadox.info                           | myeasypod.net                | luveris.sg             |
| thyroidweek.com                | myeasypod.info                          | coolclick.net                | crinone.sg             |
| fertilidadeonline.com          | avelumab.info                           | xn--schildrse-heb.net        | coolclick.sg           |
| hydroxocobalamin.com           | sarizotan.info                          | infertilityinsights.net      | clickeasy.sg           |
| targetmycancer-me.com          | pergoveris.info                         | professionalsinfertility.net | cetrotide.sg           |
| gonal-fcaes.com                | infertilityinsights.info                | imzig.com                    | xilento.sg             |
| concibefertilidad.com          | professionalsinfertility.info           | rebassist.com                | rebif.sg               |
| combination-is-key.com         | avelumab.eu                             | transceiverdevice.com        | one-click.com.sg       |
| corvalox.com                   | professionalsinfertility.eu             | msworldcounsel.com           | movectro.sg            |
| gliperid.com                   | cimidona.eu                             | ataticpt.com                 | easypod.sg             |
| g-bion.com                     | combination-is-key.eu                   | saizenliquid.info            | saizen.sg              |
| glucovel.com                   | ventadox.eu                             | transceiver-device.info      | xilento.com.sg         |
| jee-bion.com                   | metgluco.eu                             | transceiverdevice.info       | zemrik.com.sg          |
| musckaan.com                   | xn--90ahki1ajfi.eu                      | merelif.info                 | frepensio.sg           |
| myeasypod.com                  | msandwork.eu                            | incadix.info                 | rebiform.sg            |
| metgluco.com                   | msatwork.eu                             | msworldcounsel.info          | stedralif.sg           |
| avelumab.com                   | eucrinone.eu                            | scienat.info                 | nimsura.sg             |
| tepotinib.com                  | tepotinib.eu                            | forielle.info                | sanzesa.sg             |
| hivwasting.com                 | ovidrel.org                             | safinamide.net               | unitems.fi             |
| hiv-wasting.com                | grantmultiplesclerosisinnovation.org    | transceiver-device.net       | ms-verkosto.fi         |
| omouma.com                     | grantformultiplesclerosisinnovation.org | transceiverdevice.net        | rebif.com.pa           |
| diabetesfranchise.com          | luveris.org                             | incadix.net                  | forielle.asia          |
| desirer-un-enfant.com          | ranews.org                              | merelif.net                  | rebiform.asia          |
| multiple-sclerosis-and-you.com | crohnsresource.org                      | msworldcounsel.net           | rebislide.asia         |
| fertilitylifelines.com         | livingwithibd.org                       | forielle.net                 | reblim.asia            |
| s-serofine.com                 | ratoday.org                             | scienat.net                  | rebiestyle.asia        |
| sero-jet.com                   | raandme.org                             | transceiver-device.org       | merelif.asia           |
| gonalfcare.com                 | myarthritis.org                         | transceiverdevice.org        | incadix.asia           |
| gonal-fcare.com                | livingwithra.org                        | msworldcounsel.org           | nimsura.asia           |
| hypoxiaexposure.com            | livingwithra.org                        | cetuximab.com.hr             | scienat.asia           |
| exposedhypoxia.com             | rareresource.org                        | erbitux.com.hr               | encadix.asia           |
| hypoxiarevealed.com            | colitisresource.org                     | xn--90ahki1ajfi.xn--e1a4c    | rebassist.asia         |
| lurkinghypoxia.com             | encadix.org                             | em-network.com.pt            | psoriana.eu            |
| exposinghypoxia.com            | lobrevo.org                             | rebif.pt                     | psoriza.eu             |
| hiddenhypoxia.com              | msprogram.org                           | rebismart.lu                 | rebiflite.eu           |
| hypoxictumors.com              | grandiraveclesautres.org                | campral.lu                   | rebiform.eu            |
| hypoxictumor.com               | merelif.org                             | rebif.lt                     | rebislide.eu           |
| hypoxiccancer.com              | incadix.org                             | rebif.hn                     | reblim.eu              |
| cancerhypoxia.com              | expertosendolor.org                     | rebif.com.do                 | rebiestyle.eu          |
| tumourhypoxia.com              | hydroxocobalamin.org                    | fertilidad.com.ec            | iodence.eu             |
| hypoxictumours.com             | xilento.org                             | rebif.ma                     | glucoweb.eu            |
| hypoxictumour.com              | msghigh.org                             | unitems.ma                   | gemifast.eu            |
| 2millionbabies.com             | myeasypod.org                           | merelif.it                   | thiobion.eu            |
| 2millionidibambini.com         | diabetesfranchise.org                   | forielle.kr                  | levothyrox.eu          |
| professionalsinfertility.com   | scientificseminarsinternationalfound    | rebismart.hk                 | calozan-hipergel.eu    |
| msatwork.info                  | ation.org                               | merelif.co.kr                | calozanhipergel.eu     |
| msandwork.info                 | scientificseminarsinternational.org     | crinone.co.kr                | myolax.eu              |
| livingwitharthritis.info       | infertilityinsights.org                 | encadix.ms                   | olmighty.eu            |
| livingwithra.info              | ovidrel.net                             | movectro.ms                  | olmitarg.eu            |
| ibdaction.info                 | luveris.net                             | msworldcouncil.ms            | tarliv.eu              |
| raandme.info                   | helpforibd.net                          | msworldcounsel.ms            | zatum.eu               |
| crohnsresource.info            | ratoday.net                             | rebif.ms                     | advabion.eu            |
| livingwithcrohns.info          | colitisresource.net                     | rebismart.ms                 | califor.eu             |
| rareresource.info              | livingwithibd.net                       | unite.ms                     | calona.eu              |
| livingwithibd.info             | livingwithcrohns.net                    | unitems.ms                   | cazono.eu              |
| helpforibd.info                | ibdaction.net                           | worldcouncil.ms              | cuperon.eu             |
| arthritisresource.info         | raandme.net                             | cetuximab.pe                 | ecanor.eu              |
| ratoday.info                   | ranews.net                              | erbitux.pe                   | facida.eu              |
| colitisresource.info           | livingwithra.net                        | fertilidad.net.pe            | felivia.eu             |

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| isera.eu                     | zacnan.com                      | mslife-lines.com              | schilddruesen-institut.com       |
| kialuz.eu                    | levothyrox.com                  | seronogeneticsinstitute.com   | adancor.com                      |
| modobion.eu                  | stagid.com                      | rebiject.com                  | info-k-ras.com                   |
| neurovance.eu                | glucomide.com                   | thyroweb.com                  | info-kras.com                    |
| pinerca.eu                   | apsor.com                       | thyronet.com                  | k-ras-info.com                   |
| prevobion.eu                 | amycor.com                      | rebismartdownloadsoftware.com | kras-news.com                    |
| reclud.eu                    | detensiel.com                   | ms-dialog.com                 | kras-info.com                    |
| relida.eu                    | praxilene.com                   | msdialog.com                  | forielle.com                     |
| reliesta.eu                  | global-embryologist-network.com | atacicept.com                 | buy-saizen.com                   |
| relivio.eu                   | fertilityambassador.com         | rebicare.com                  | acetylsomatopeg.com              |
| risono.eu                    | globalembryologistnetwork.com   | nerelid.com                   | acetylsomatropeg.com             |
| salercor.eu                  | rebilog.com                     | kras-registry.com             | pegacetylsomatrope.com           |
| stalerza.eu                  | cancer-vac.com                  | pergotime.com                 | pegsomatrope.com                 |
| starvio.eu                   | evofosfamide.com                | advabion.com                  | somatopeg.com                    |
| taliva.eu                    | evofosfamida.com                | cazono.com                    | somatropeg.com                   |
| talius.eu                    | precisaras.com                  | facida.com                    | pencylcap.com                    |
| telobion.eu                  | glucofago.com                   | ecanor.com                    | protractstudy.com                |
| thiamarox.eu                 | cardensiel.com                  | kialuz.com                    | protract-study.com               |
| thiamaxen.eu                 | xilento.com                     | felivia.com                   | coamsstudy.com                   |
| thymazol.eu                  | pronivis.com                    | pinerca.com                   | coams-study.com                  |
| toleza.eu                    | maestrostudyconnection.com      | prevobion.com                 | cilostal.com                     |
| toreza.eu                    | msinbalance.com                 | curabion.com                  | jodbalance.com                   |
| vidaq.eu                     | mslife-line.com                 | cuperon.com                   | lodopin.com                      |
| vicaly.eu                    | mslifeline.com                  | risono.com                    | nidonnil.com                     |
| vervita.eu                   | safinamideinpd.com              | telobion.com                  | tratadol.com                     |
| vitara.eu                    | onc-immune.com                  | reliesta.com                  | caudaline.com                    |
| xylud.eu                     | pillarprogram.com               | stalerza.com                  | nidonil.com                      |
| vitaz.eu                     | immunocytokines.com             | modobion.com                  | cilengitide.com                  |
| vivabion.eu                  | oncotherapy.com                 | thymazol.com                  | stimuvax.com                     |
| vitestra.eu                  | fusionproteins.com              | ultrabion.com                 | calozan-hipergel.com             |
| ultrabion.eu                 | kras-la.com                     | salercor.com                  | calozanhipergel.com              |
| vidavil.eu                   | ms-netzwerk.com                 | toreza.com                    | myolax.com                       |
| easynurseathome.eu           | infertility-world.com           | vitestra.com                  | olmighty.com                     |
| sep-info.eu                  | lifebeyondchemotherapy.com      | vidavil.com                   | olmitarg.com                     |
| club-thyroide.eu             | bisoprolol.com                  | thiamaxen.com                 | tarliv.com                       |
| atacicept.eu                 | connectionsforgrowth.com        | vicaly.com                    | glucoforum.com                   |
| targetmycancer.eu            | leben-mit-ms.com                | reclud.com                    | alcomed.com                      |
| adancor.eu                   | cardicor.com                    | thiamarox.com                 | profasi.com                      |
| nicorandil.eu                | cancerintegrin.com              | toleza.com                    | gonal-f.com                      |
| lifebeyondchemotherapy.eu    | saizenresearch.com              | xylud.com                     | cetrotide.com                    |
| pimasertib.eu                | cefective.com                   | vivabion.com                  | gonalf.com                       |
| fertilityambassador.eu       | concor-cor.com                  | targetmycancer.com            | click-easy.com                   |
| rebismartdownloadsoftware.eu | cefomerc.com                    | diabetes-source.com           | metrodin.com                     |
| evofosfamide.eu              | neoprox.com                     | diabetessource.com            | pergonal.com                     |
| nsclstudy.com                | rexalis.com                     | gemifast.com                  | saizen.com                       |
| rebifcen.com                 | pliazon.com                     | serophene.com                 | short-bowel-syndrome.com         |
| fertilidadcen.com            | rexalir.com                     | myfertilitylifelines.com      | ovitreleprefilledsyringe.com     |
| glucophagesr.com             | optifam.com                     | ms-network.com                | stilamin.com                     |
| cancerintegrins.com          | omelcid.com                     | infertiltysights.com          | fertilitylifelinesfilms.com      |
| cancervessels.com            | zimstat.com                     | sistalgin.com                 | touchms.net                      |
| c225.com                     | ranulcid.com                    | pedimune.com                  | sarizotan.net                    |
| oncovaccine.com              | nupentin.com                    | erbituxdownloads.com          | schilddruese.net                 |
| egfr.com                     | dyskimed.com                    | hivbellyfat.com               | oraltherapymys.net               |
| antiid.com                   | sorensia.com                    | hivexcessbellyfat.com         | msoraltherapy.net                |
| integrin.com                 | dyskimet.com                    | determinakras.com             | oralmstherapy.net                |
| cancerreceptors.com          | serono-tupbebek.com             | harssyndrome.com              | parkinsonnetwork.net             |
| oncovac.com                  | klaribact.com                   | harsdisease.com               | sep-info.net                     |
| rediject.com                 | medizin-aktuell.com             | hivhars.com                   | cme-heartfailure.net             |
| growthhormoneadult.com       | medizinaktuell.com              | harstreatment.com             | assistedconception.net           |
| unitems.com                  | rebiform.com                    | meudiacomdiabetes.com         | globalembryologistnetwork.net    |
| oralmstherapy.com            | rebiflite.com                   | serojet.com                   | multiple-sclerosis-treatment.net |
| oraltherapymys.com           | rebislide.com                   | msworldcouncil.com            | frepenso.net                     |
| msoraltherapy.com            | rebislim.com                    | musiquol.com                  | stedralif.net                    |
| mhh-japan.com                | rebistyle.com                   | pszori.com                    | mslifeline.net                   |
| parkinsonnetwork.com         | club-thyroide.com               | pszoriazis.com                | mslife-line.net                  |
| easynurseathome.com          | encadixbroadcast.com            | fertilityportugal.com         | balkarmo.net                     |
| rebifresourcecenter.com      | encadixspeakerprogram.com       | fertilityspain.com            | oralcladribine.net               |
| sep-info.com                 | lodoz.com                       | centristerilita.com           | safinamideinpd.net               |
| manteia.com                  | rebidoso.com                    | centrifertilita.com           | infertility-world.net            |
| dialoguems.com               | rebismart.com                   | centri-fertilita.com          | rebassist.net                    |
| dialogue-ms.com              | ionc.com                        | addresslupus.com              | rebidoso.net                     |
| dialogms.com                 | prediab.com                     | grantforgrowthinnovation.com  | rebismart.net                    |
| dialog-ms.com                | prediabinfo.com                 | cardio-protection.com         | rebiflite.net                    |
| queremosserpapas.com         | bisoprolol-infocenter.com       | msappsconnect.com             | rebislide.net                    |
| dianben.com                  | mslifelines.com                 | easypodconnect2.com           | rebistyle.net                    |

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|                               |                                 |                           |                           |
|-------------------------------|---------------------------------|---------------------------|---------------------------|
| rebiform.net                  | infertility-world.org           | pedimune.info             | serostim.porn             |
| reblim.net                    | fertinet.org                    | fertilityworld.info       | cetrotide.porn            |
| mslifelines.net               | mslifelines.org                 | fertilityspain.info       | connectionsforgrowth.porn |
| mslife-lines.net              | prediab.org                     | fertilityportugal.info    | easypodconnect.porn       |
| ms-netzwerk.net               | prediabinfo.org                 | nicorandil.info           | e-pod.porn                |
| rebiject.net                  | mslife-lines.org                | adancor.info              | familyofpens.porn         |
| rebicare.net                  | rebif.org                       | protract.info             | reblide.porn              |
| rebismartdownloadsoftware.net | rebiject.org                    | calozan-hipergel.info     | unitems.porn              |
| targetmycancer.net            | grantforgrowthinnovation.org    | calozanhipergel.info      | zorbtive.porn             |
| serojet.net                   | diabetessource.org              | myolax.info               | axiscenter.porn           |
| fertilityspain.net            | targetmycancer.org              | olmighty.info             | axiscenteronline.porn     |
| fertilityportugal.net         | diabetes-source.org             | olmitarg.info             | egrifta.porn              |
| centrifertilita.net           | megha-online.org                | tarliv.info               | hivwasting.porn           |
| unitems.net                   | serojet.org                     | zatum.info                | thyroidlink.porn          |
| msworldcouncil.net            | centristerilita.org             | endologic.info            | thyroidweek.porn          |
| centristerilita.net           | fertilityspain.org              | shortbowelsyndrome.info   | thyrolink.xxx             |
| schilddruesen-institut.net    | fertilityportugal.org           | concor.asia               | thyroidweek.xxx           |
| nicorandil.net                | msworldcouncil.org              | rebiject.asia             | thyroidlink.xxx           |
| adancor.net                   | centrifertilita.org             | atacept.asia              | axiscenter.xxx            |
| glucoforum.net                | adancor.org                     | easypod.asia              | msworldcouncil.xxx        |
| click-easy.net                | human-growth-hormone-saizen.org | glucovance.asia           | realmsvoices.xxx          |
| endologic.net                 | glucoforum.org                  | zemrik.asia               | hivwasting.xxx            |
| shortbowelsyndrome.net        | imed.org                        | pergoveris.asia           | predict.xxx               |
| concor.adult                  | fertilityworld.org              | movectil.asia             | axiscenteronline.xxx      |
| concorcor.adult               | endologic.org                   | pronivis.asia             | frepensio.asia            |
| easypod.adult                 | shortbowelsyndrome.org          | xilento.asia              | stedralif.asia            |
| euthyrox.adult                | cool-click.org                  | lobrevo.asia              | easypodconnect.asia       |
| glucophage.adult              | rebif.ir                        | movectro.asia             | vadegi.asia               |
| glucovance.adult              | rebif.am                        | bisoprolol.asia           | balkarmo.asia             |
| lueris.adult                  | rebif.com.eg                    | metformin.asia            | saftinamide.asia          |
| pergoveris.adult              | rebif.com.gt                    | myelomas.asia             | fertility.asia            |
| rebidoso.adult                | rebif.com.ni                    | crohnsresource.asia       | patienten-partner.eu      |
| rebif.adult                   | kras.info                       | cladribinetablet.asia     | patientenpartner.eu       |
| rebiject.adult                | touchms.info                    | cladribinetablets.asia    | medizin-partner.eu        |
| rebismart.adult               | glucophagesr.info               | autoimmunediseases.asia   | nijaa.eu                  |
| saizen.adult                  | oraltherapys.info               | arthritisresource.asia    | parkinsonnetwork.eu       |
| serostim.adult                | msoraltherapy.info              | livingwithms.asia         | incadix.eu                |
| cetrotide.adult               | oralmstherapy.info              | ms-network.asia           | merelif.eu                |
| connectionsforgrowth.adult    | parkinsonnetwork.info           | oralmstherapy.asia        | nimsura.eu                |
| easypodconnect.adult          | msworldcouncil.info             | helpforibd.asia           | rebidoso.eu               |
| e-pod.adult                   | evofosfamide.info               | ibdaction.asia            | rebassist.eu              |
| familyofpens.adult            | livingwithms.info               | livingwitharthritis.asia  | rebismart.eu              |
| reblide.adult                 | oralcladribine.info             | myarthritis.asia          | encadix.eu                |
| unitems.adult                 | stedralif.info                  | livingwithibd.asia        | scienat.eu                |
| zorbtive.adult                | ms-netzwerk.info                | oralcladribine.asia       | forielle.eu               |
| axiscenter.adult              | pimasertib.info                 | parkinsonnetwork.asia     | adherqol.eu               |
| axiscenteronline.adult        | oncology-slides.info            | assistedconception.asia   | vadegi.eu                 |
| egrifta.adult                 | mslife-line.info                | onercept.asia             | euthyrox.eu               |
| hivwasting.adult              | frepensio.info                  | livingwithcrohns.asia     | thyrolink.eu              |
| thyroidlink.adult             | mslifeline.info                 | colitisresource.asia      | cardiometaboliccare.eu    |
| thyroidweek.adult             | balkarmo.info                   | oral-cladribine.asia      | erbloc.eu                 |
| fertilityasia.sg              | leben-mit-ms.info               | ms-portal.asia            | benfobion.eu              |
| one-click.sg                  | rexalis.info                    | justgrowth.asia           | cardiometabolic-care.eu   |
| serostim.sg                   | pliazon.info                    | cladribinems.asia         | concor.eu                 |
| rebif.com.sg                  | dyskimed.info                   | hivwasting.asia           | lodoz.eu                  |
| pronivis.sg                   | rexalir.info                    | inflammatorydiseases.asia | polybion.eu               |
| rebiject.sg                   | genpharm.info                   | msoraltherapy.asia        | toxogonin.eu              |
| pergoveris.sg                 | dyskimet.info                   | nicorandil.asia           | giabri.eu                 |
| clickeasy.com.sg              | reblide.info                    | adancor.asia              | xudaci.eu                 |
| ovidrel.sg                    | rebiform.info                   | imzig.asia                | oncarb.eu                 |
| fertilityasia.com.sg          | rebiflite.info                  | rebif.com.tr              | erbitux.eu                |
| gonal-f.sg                    | lifebeyondchemotherapy.info     | rebismart.com.tr          | sanzeza.eu                |
| coolclick.com.sg              | reblim.info                     | concor.porn               | alcoweb.eu                |
| zemrik.sg                     | rebistyle.info                  | concorcor.porn            | zulex.eu                  |
| glucophagesr.org              | rebassist.info                  | easypod.porn              | pliazon.eu                |
| sarizotan.org                 | mslife-lines.info               | euthyrox.porn             | fortecortin.eu            |
| oralmstherapy.org             | rebidoso.info                   | glucophage.porn           | tiodrix.eu                |
| oraltherapys.org              | rebismart.info                  | glucovance.porn           | aotal.eu                  |
| msoraltherapy.org             | mslifelines.info                | lueris.porn               | arlivo.eu                 |
| parkinsonnetwork.org          | fertilitaonline.info            | pergoveris.porn           | latamin.eu                |
| rebismartsoftware.org         | rebismartdownloadsoftware.info  | rebidoso.porn             | asimadoline.eu            |
| oralcladribine.org            | targetmycancer.info             | rebif.porn                | saftinamide.eu            |
| mslifeline.org                | gemifast.info                   | rebiject.porn             | arthritisresource.eu      |
| mslife-line.org               | soprazol.info                   | rebismart.porn            | fertility.eu              |
| ms-netzwerk.org               | sistalgin.info                  | saizen.porn               | infertility.eu            |



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|---------------------------|---------------------------------|---------------------------|-----------------------------------|
| autoimmunediseases.eu     | infertilitamaschile.com         | rebif.com                 | grantforfertilityinnovation.net   |
| cetrotide.eu              | terapiaormonale.com             | karpensa.com              | rebif.net                         |
| clickeasy.eu              | dolmatra.com                    | arlivo.com                | fertilitylifelinestepwise.net     |
| assistedconception.eu     | domatra.com                     | latamin.com               | establis.net                      |
| colitisresource.eu        | serrise.com                     | encephabol-suspension.com | ms-dialog.net                     |
| coolclick.eu              | zactin.com                      | glioptim.com              | msdialog.net                      |
| easypod.eu                | fertilityisrael.com             | mobirid.com               | serophene.net                     |
| crinone.eu                | maestrostudytraining.com        | spasipan.com              | my-ms-therapy.net                 |
| gonal-f.eu                | 1866letstry.com                 | sanzesa.com               | mymsttherapy.net                  |
| ibdaction.eu              | fertility-greece.com            | ilostal.com               | cladribine.net                    |
| justgrowth.eu             | 866letstry.com                  | thems-forum.com           | sepetsport.net                    |
| livingwithms.eu           | neurologyresourcecenter.com     | fem7.com                  | zorbtive.net                      |
| luveris.eu                | oralmstherapyresearch.com       | concor.com                | serobix.net                       |
| ovitrelle.eu              | stedila.com                     | rebifreignition.com       | globalfertilityacademy.net        |
| ms-network.eu             | stedilif.com                    | myfertilityprofile.com    | medizin-partner.net               |
| ms-portal.eu              | stedralif.com                   | moreongrowth.com          | onkologiepartner.net              |
| msoraltherapy.eu          | amrelis.com                     | justgrowth.com            | onkologie-partner.net             |
| oralmstherapy.eu          | xestablis.com                   | campral.com               | bisoprolol-infocenter.info        |
| rebiject.eu               | amprelis.com                    | merckoncologycol.com      | semainedelathyroide.info          |
| rebif.eu                  | fremov.com                      | pimasertib.com            | semainethyroide.info              |
| saizen.eu                 | fremovel.com                    | ukfertility.com           | zemrik.info                       |
| zorbtive.eu               | carpenso.com                    | sepetsport.com            | movectro.info                     |
| leben-mit-ms.eu           | mopensa.com                     | amiganpro.com             | male-infertility.info             |
| oneclick.eu               | exenduris.com                   | cardiopartner.com         | easypodconnect.info               |
| pergoveris.eu             | xenduris.com                    | onkologiepartner.com      | encadix.info                      |
| stedralif.eu              | strenaxa.com                    | onkologie-partner.com     | patientenpartner.info             |
| oncology.eu               | setanzar.com                    | medizin-partner.com       | cerfi.info                        |
| frepenso.eu               | frepenso.com                    | fem7combi.com             | ms-network.info                   |
| balkarmo.eu               | klarpenso.com                   | livingwithms.com          | ddpro.info                        |
| abituzumab.eu             | momenzur.com                    | mymrxtherapy.com          | oral-cladribine.info              |
| tecemotide.eu             | almif.com                       | baby-wish.com             | combinationiskey.info             |
| ms-dialog.eu              | qualifra.com                    | latiroidonline.com        | pdworldcouncil.info               |
| msdialog.eu               | xacumel.com                     | conoscerlatiroid.com      | grantforfertilityinnovation.info  |
| glucotrust.com            | kelluzon.com                    | my48.com                  | toxogonin.info                    |
| pharma-aktuell.com        | zameltron.com                   | testtailortreat.com       | nijaia.info                       |
| pharmaaktuell.com         | frelifra.com                    | journeysms.com            | psoriasa.info                     |
| themsforum.com            | stedincro.com                   | journeysmsprogram.com     | tiodrix.info                      |
| luxofar.com               | stedobal.com                    | check-mymeds.com          | adherqol.info                     |
| alzheimers.com            | stedincra.com                   | semainedelathyroide.com   | tecemotide.info                   |
| mspatient.com             | stedofon.com                    | semainethyroide.com       | abituzumab.info                   |
| harstrial.com             | balforis.com                    | merckoncologyonline.com   | serophene.info                    |
| fertilitymyths.com        | empklar.com                     | diabete-services.com      | multiple-sclerosis-treatment.info |
| vilazodone.com            | encogro.com                     | fertinet.com              | multiple-sclerosistreatment.info  |
| easypodconnect.com        | stedexis.com                    | hypoxiaexposed.com        | mymsttherapy.info                 |
| decortin.com              | xyparx.com                      | avanclad.com              | my-ms-therapy.info                |
| euthyrox.com              | balpensor.com                   | cladvido.com              | cladribine.info                   |
| endotrack.com             | bralimov.com                    | msll.com                  | arlivo.info                       |
| fortecortin.com           | frexpanse.com                   | synrepix.com              | latamin.info                      |
| fertilidadeportugal.com   | reddireccionmedica.com          | vetroclad.com             | sanzesa.info                      |
| aids-wasting.com          | pdworldcouncil.com              | zemrik.net                | fertilite.info                    |
| cuidatutiroides.com       | fertilitylifeline.com           | movectro.net              | zorbtive.info                     |
| encadix.com               | grantforfertilityinnovation.com | easyject.net              | onkologie-partner.info            |
| semanatiroides.com        | gastrinorm.com                  | saizen.net                | onkologiepartner.info             |
| csciboston.com            | oxtin.com                       | gonal-f.net               | one-click.com.sa                  |
| lobrevo.com               | supramycin.com                  | serostim.net              | rebif.com.sa                      |
| movactro.com              | toxogonin.com                   | crinone.net               | saizen.com.sa                     |
| movectro.com              | mrcrbiomarkers-la.com           | alcoholisme.net           | serostim.com.sa                   |
| zemrik.com                | saizenliquid.com                | easypod.net               | xilento.com.sa                    |
| tuvanhiemmuon.com         | nijaia.com                      | easypodconnect.net        | gonal-f.com.sa                    |
| hypoxiaemdserono.com      | tiodrix.com                     | encadix.net               | luveris.com.sa                    |
| zorbtive.com              | fertilityisreal.com             | cerfi.net                 | ovidrel.com.sa                    |
| movectil.com              | adherqol.com                    | patientenpartner.net      | clickeasy.com.sa                  |
| serocare.com              | ghmonitor.com                   | oral-cladribine.net       | coolclick.com.sa                  |
| ddproinfo.com             | crinone.com                     | combinationiskey.net      | click-easy.com.sa                 |
| reseausep.com             | ms-taiwan.com                   | ormonedellacrescita.net   | oneclick.com.sa                   |
| encircleprogram.com       | tecemotidum.com                 | infertilitaefemminile.net | cool-click.com.sa                 |
| oral-cladribine.com       | tecemotide.com                  | nanismo.net               | easypod.com.sa                    |
| 360fertilidad.com         | abituzumab.com                  | fertilita.net             | movectro.com.sa                   |
| mrcrclinicaldatatool.com  | tecemotida.com                  | infertilitamaschile.net   | rebiject.com.sa                   |
| infertilitaefemminile.com | combinationiskey.com            | infertilita.net           | encadix.com.sa                    |
| nanismo.com               | multiple-sclerosistreatment.com | fertilitaonline.net       | frepenso.com.sa                   |
| terapia-ormonale.com      | my-ms-therapy.com               | terapiaormonale.net       | stedralif.com.sa                  |
| fertilitaonline.com       | mymsttherapy.com                | medicinariproduttiva.net  | sanzesa.com.sa                    |
| medicinariproduttiva.com  | disfunciontiroides.com          | oralmstherapyresearch.net | rebismart.com.sa                  |
| ormonedellacrescita.com   | monmomentum.com                 | pdworldcouncil.net        | nimsura.com.sa                    |

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|                                 |                         |                    |                            |
|---------------------------------|-------------------------|--------------------|----------------------------|
| rebidose.com.sa                 | mavanclad.com.mt        | merckneurology.com | mavenclad.dz               |
| rebislim.com.sa                 | mavenclad.com.ve        | merckneurology.ie  | mavenclad.om               |
| forielle.com.sa                 | mavanclad.com.ve        | mavenclad.at       | mavanclad.om               |
| incadix.com.sa                  | mavenclad.ee            | mavanclad.at       | mavenclad.qa               |
| rebislide.com.sa                | mavenclad.ir            | mavenclad.co.at    | mavanclad.qa               |
| rebassist.com.sa                | mavanclad.ee            | mavanclad.co.at    | bereadyprogram.com         |
| kuvan.com.sa                    | mavanclad.ir            | mavenclad.by       | bereadyprogram.ca          |
| movectro.org                    | mavenclad.cz            | mavanclad.by       | mavenclad.hk               |
| gonal-f.org                     | mavanclad.cz            | mavenclad.co.hu    | mavanclad.hk               |
| zemrik.org                      | mavenclad.de            | mavanclad.co.hu    | mavanclad.ma               |
| saizen.org                      | mavanclad.de            | mavenclad.hu       | mavenclad.ma               |
| crinone.org                     | mavenclad.fr            | mavanclad.hu       | croissance-online.fr       |
| serostim.org                    | mavanclad.fr            | mavenclad.es       | mavenclad.nl               |
| clিকেeasy.org                   | mavenclad.gr            | mavanclad.es       | mavanclad.nl               |
| easypod.org                     | mavanclad.gr            | mavenclad.id       | rebif.co.gg                |
| medicinariproduttiva.org        | mavenclad.hr            | mavanclad.id       | rebif.gg                   |
| combinationiskey.org            | mavanclad.hr            | mavanclad.fi       | rebif.je                   |
| nanismo.org                     | mavenclad.it            | mavenclad.fi       | mavenclad.com.pt           |
| ms-network.org                  | mavanclad.it            | mavenclad.com.au   | mavanclad.com.pt           |
| ormonedellacrescita.org         | mavenclad.kz            | mavanclad.com.au   | mavenclad.pt               |
| infertilita.org                 | mavanclad.kz            | mavenclad.ca       | mavanclad.pt               |
| infertilitafemminile.org        | mavenclad.lt            | mavanclad.ca       | mavanclad.my               |
| terapiaormonale.org             | mavanclad.lt            | mavenclad.ba       | mavenclad.my               |
| fertilitaonline.org             | mavenclad.lu            | mavanclad.ba       | mavanclad.sg               |
| infertilitamaschile.org         | mavanclad.lu            | mavenclad.cu       | mavenclad.sg               |
| oralmstherapyresearch.org       | mavenclad.lv            | mavanclad.cu       | mavanclad.sv               |
| unitems.org                     | mavanclad.lv            | mavenclad.cr       | mavenclad.do               |
| pdworldcouncil.org              | mavenclad.ly            | mavanclad.cr       | mavenclad.sv               |
| fertilitylifelinestepwise.org   | mavanclad.ly            | mavenclad.bo       | mavanclad.do               |
| grantforfertilityinnovation.org | mavenclad.mx            | mavanclad.bo       | thyroidaware.com           |
| manteia.org                     | mavanclad.mx            | mavenclad.bb       | thyroidaware.org           |
| msdialog.org                    | mavenclad.net           | mavanclad.bb       | ms-patients.lv             |
| ms-dialog.org                   | mavanclad.net           | mavenclad.bs       | rebif.lv                   |
| increaseyourchances.org         | mavenclad.org           | mavanclad.bs       | neuromerck.ch              |
| zorbitive.org                   | mavanclad.org           | mavenclad.ps       | coverone.com               |
| sepetsport.org                  | mavenclad.pe            | mavanclad.ps       | mavenclad.com.py           |
| cmcare-diabetes.org             | mavanclad.pe            | mavenclad.jp       | mavanclad.com.py           |
| rebif.com.sv                    | mavenclad.pl            | mavanclad.jp       | mavenclad.com.jm           |
| xn--ngbr3c9a.xn--mgberp4a5d4ar  | mavanclad.pl            | mavenclad.hn       | mavanclad.com.jm           |
| timetotalkaboutms.co.uk         | mavanclad.ro            | mavanclad.hn       | forielle.com.ve            |
| timetotalkaboutms.ca            | mavenclad.ro            | mavenclad.bz       | trymesteranalytics.com     |
| timetotalkaboutms.com           | mavenclad.rs            | mavanclad.bz       | rebidose.com.ve            |
| timetotalkabout-ms.com          | mavanclad.rs            | mavenclad.co.uk    | rebismart.com.ve           |
| timetotalkaboutms.de            | mavenclad.ru            | mavanclad.co.uk    | xilento.com.ve             |
| mavenclad.com                   | mavanclad.ru            | mavenclad.uk       | rebif.com.ve               |
| mavanclad.com                   | mavenclad.si            | mavanclad.uk       | merckoncology.ch           |
| mavenclad.info                  | mavanclad.si            | mavenclad.ye       | mavenclad-instructions.com |
| mavanclad.info                  | mavenclad.tn            | mavanclad.ye       | mavenclad-pi.com           |
| mavenclad.ae                    | mavanclad.tn            | mavenclad.uy       | merck-ftmarket.com         |
| mavanclad.ae                    | mavenclad.tw            | mavanclad.uy       | emdserono-ftmarket.com     |
| mavenclad.be                    | mavanclad.tw            | mavenclad.tt       | merckmedicalsupport.be     |
| mavanclad.be                    | mavenclad.se            | mavanclad.tt       | cellculture.com.cn         |
| mavenclad.ch                    | mavanclad.se            | mavenclad.ni       | rebifready.com.au          |
| mavanclad.ch                    | mavanclad.dk            | mavanclad.ni       | ms-dialog.ch               |
| mavenclad.co                    | mavenclad.dk            | mavenclad.gt       | frepensio.co               |
| mavanclad.co                    | mavanclad.biz           | mavanclad.gt       | rebif.com.pe               |
| mavenclad.co.il                 | mavenclad.biz           | mavenclad.jo       | ms-dialog.no               |
| mavanclad.co.il                 | mavenclad.is            | mavanclad.jo       | cerfi.com.br               |
| mavenclad.co.za                 | mavenclad.ie            | mavenclad.no       | easypod.com.br             |
| mavanclad.co.za                 | mavanclad.ie            | mavanclad.no       | emforum.com.br             |
| mavenclad.com.lv                | mavanclad.is            | mavenclad.cl       | encadix.com.br             |
| mavanclad.com.lv                | erbitux.com.ar          | mavanclad.cl       | merelif.com.br             |
| mavenclad.com.pl                | kras.com.ar             | mavenclad.cn       | pergoveris.com.br          |
| mavanclad.com.pl                | targetmycancer.com.ar   | mavanclad.cn       | pronivis.com.br            |
| mavenclad.com.ro                | cancerinfo.com.ar       | mavenclad.com.ar   | rebassist.com.br           |
| mavanclad.com.ro                | cardiosaludmerck.com.ar | mavanclad.com.br   | rebiject.com.br            |
| mavenclad.ec                    | tecemotide.com.ar       | mavenclad.com.br   | scienat.com.br             |
| mavanclad.ec                    | timetotalkaboutms.info  | mavanclad.com.br   | glucophagexr.co.kr         |
| mavenclad.in                    | timetotalkabout-ms.info | mavenclad.kr       | glucophagexr.kr            |
| mavanclad.in                    | timetotalkaboutms.eu    | mavanclad.kr       | movectro.co.kr             |
| mavenclad.bg                    | timetotalkabout-ms.eu   | mavanclad.sk       | saizen.kr                  |
| mavanclad.bg                    | timetotalkaboutms.net   | mavenclad.sk       | rebislide.co.il            |
| mavenclad.com.hr                | timetotalkaboutms.org   | mavenclad.com.kw   | rebislim.co.il             |
| mavanclad.com.hr                | timetotalkaboutms.biz   | mavanclad.com.kw   | forielle.co.il             |
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| pergoveris.co.il             | timetotalkabout-ms.com.au        | eshoradehablardeesclerosismultiple.es  | adveva.cn                     |
| gonal-f.co.il                | timetotalkabout-ms.ca            | merckneurologie.fr                     | adveva.com.ar                 |
| coolclick.co.il              | movectro.co.il                   | merckneurologia.es                     | adveva.com.br                 |
| merelif.co.il                | oneclick.co.il                   | emdserononeurology.com                 | adveva.sk                     |
| clickeasy.co.il              | easypod.co.il                    | merckneurologie.de                     | adveva.bg                     |
| rebiform.co.il               | rebiject.co.il                   | merckneurologia.it                     | adveva.com.hr                 |
| frepenso.co.il               | rebif.co.il                      | incadix.com.ar                         | adveva.com.mt                 |
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| incadix.co.il                | merck-oncology.fi                | forielle.com.ar                        | adveva.ly                     |
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| xilento.com.ar               | queremosserpapas.com.co          | msduelsprogram.ca                      | adveva.bb                     |
| zemrik.com.ar                | merckoncology.gr                 | msduelsprogram.com                     | adveva.bs                     |
| clickeasy.com.ar             | mavencon.org                     | soportesara.es                         | adveva.ps                     |
| coolclick.com.ar             | mavencon.info                    | meftec.it                              | adveva.ye                     |
| gonal-f.com.ar               | mavenclad4ms.com                 | meftec.info                            | adveva.uy                     |
| one-click.com.ar             | mavencladforms.com               | cancerdecabezaycuello.com              | adveva.ni                     |
| saizen.com.ar                | incadix.com.ve                   | cancerdecabezaycuello.es               | adveva.gt                     |
| serostim.com.ar              | rebislide.com.ve                 | vamosfalardeem.com.br                  | adveva.jo                     |
| cerfi.com.ar                 | rebislim.com.ve                  | timetotalkaboutms.com.br               | adveva.com.kw                 |
| oncologie-merck.nl           | rebiform.com.ve                  | mysupport.org.uk                       | adveva.om                     |
| an-der-zeit.ms               | frepenso.com.ve                  | adveva.com                             | adveva.my                     |
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| msfamilie.nl                 | bintrapsi.com                    | adveva.be                              | adveva.pt                     |
| erbitux.hu                   | fextinsi.com                     | adveva.ch                              | adveva.sg                     |
| cetuximab.hu                 | rytrapda.com                     | adveva.co                              | adveva.kz                     |
| pajzsmirigy.hu               | vutrapda.com                     | adveva.co.il                           | adveva.by                     |
| psori.hu                     | xemcifio.com                     | adveva.co.za                           | adveva.qa                     |
| pronivis.hu                  | xemcyzo.com                      | adveva.com.lv                          | adveva.rs                     |
| sminfo.hu                    | xotrapdi.com                     | adveva.com.pl                          | adveva.ie                     |
| nimsura.hu                   | zajemni.com                      | adveva.com.ro                          | adveva.is                     |
| sanzesa.hu                   | eutrapda.com                     | adveva.ec                              | adveva.tt                     |
| rebiform.hu                  | genhybri.com                     | adveva.in                              | adveva.ma                     |
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| stedralif.hu                 | litcelra.com                     | adveva.de                              | adveva.kr                     |
| coolclick.hu                 | pelbetez.com                     | adveva.fr                              | adveva.hk                     |
| serojet.hu                   | pexbeto.com                      | adveva.gr                              | adveva.nl                     |
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| rebif.hu                     | yutrapda.com                     | adveva.lt                              | companio.ca                   |
| rebiject.hu                  | zenhybri.com                     | adveva.lu                              | mycompanio.us                 |
| xilento.hu                   | ms-news.at                       | adveva.lv                              | mycompanio.eu                 |
| zemrik.hu                    | forielle.com.br                  | adveva.mx                              | mycompanio.com                |
| clickeasy.hu                 | incadix.com.br                   | adveva.pe                              | mycompanio.fr                 |
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| cerfi.hu                     | erbitux.com.pt                   | adveva.biz                             | conheceraatiroide.com         |
| scienat.hu                   | cetuximab.com.pt                 | adveva.dk                              | conheceraatiroide.pt          |
| rebassist.hu                 | merkelzell.at                    | adveva.at                              | merckneurology.co.il          |
| incadix.hu                   | fokuspams.no                     | adveva.co.at                           | tmapp.it                      |
| rebislide.hu                 | fertilityasia.com.vn             | adveva.hu                              | rebif-for-hcp.com             |
| rebislim.hu                  | naviguervosassurances.com        | adveva.es                              | fertilityportal.cn            |
| forielle.hu                  | msmerck.se                       | adveva.fi                              | fertilityclinic.cn            |
| erbitux-crc-seminar.jp       | mercknevrologi.no                | adveva.jp                              | shengzhizhongxin.cn           |
| msnews.nl                    | merckoncology.se                 | adveva.hn                              | sepsouscontrole.cn            |
| timetotalkaboutms.fr         | merckonkologi.no                 | adveva.bz                              | msondercontrole.be            |
| timetotalkabout-ms.fr        | fertility.ch                     | adveva.co.uk                           | adveva.ca                     |
| timetotalkaboutms.es         | redenwirdarueber.at              | adveva.uk                              | ms.nl                         |
| timetotalkabout-ms.es        | breakthrough-moment.com          | adveva.no                              | info-thyroide.com             |
| timetotalkaboutms.it         | timetotalkaboutms.dk             |                                        | thyroide-mieux-comprendre.fr  |
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| mavanciad.nz                    | merckneurology.ec                 | fertilite-professionnels-sante.fr  | mededacademe.de           |
| connect2merck.pt                | merckneurology.es                 | soinsdelapeau.fr                   | mededacademe.eu           |
| adveva.nz                       | merckneurology.fi                 | merckdiabetes.health               | mededacademe.fr           |
| adveva.com.jo                   | merckneurology.fr                 | mavenciad.health                   | mededacademe.es           |
| momtobe.mx                      | merckneurology.gr                 | mavanciad.health                   | mededacademe.ch           |
| merckcardiometabolicnews.com    | merckneurology.hk                 | adveva.health                      | mededacademe.net          |
| merckcardiometabolicnews.com.pe | merckneurology.hn                 | gonal-f.si                         | mededacademe.info         |
| merckcardiometabolicnews.pe     | merckneurology.hu                 | timetotalkabout-ms.lu              | mededacademe.org          |
| embracingcarers.com             | merckneurology.in                 | timetotalkaboutms.lu               | mededacademe.online       |
| embracingcarers.co.uk           | merckneurology.info               | embracingcaregivers.com            | meded-academe.it          |
| embracingcarers.com.au          | merckneurology.it                 | speakupforheadandneckcancer.com    | mededacademe.it           |
| embracingcarers.org             | merckneurology.jp                 | prediabetes.la                     | eshoradehablardeem.com    |
| onstep.fr                       | merckneurology.lt                 | cladribine.co.uk                   | eshoradehablardeem.net    |
| on-step.fr                      | merckneurology.lu                 | cladribine.ie                      | eshoradehablardeem.cl     |
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| monprogrammestep.fr             | merckneurology.mx                 | minsupport.nu                      | eshoradehablardeem.pe     |
| monprogrammesteps.fr            | merckneurology.net                | mevidence.io                       | eshoradehablardeem.co     |
| programmestep.fr                | merckneurology.nl                 | msearch.io                         | eshoradehablardeem.ec     |
| on-steps.fr                     | merckneurology.no                 | bavencio.ch                        | eshoradehablardeem.com.ar |
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| merck-medinfo.co.uk             | merckneurology.pe                 | medacademe.com                     | mystepsbox.com            |
| merck-medinfo.ie                | merckneurology.pl                 | medacademe.de                      | stepsbox.fr               |
| mycalimera.de                   | merckneurology.ps                 | medacademe.eu                      | medacade.me               |
| bavencio.nl                     | merckneurology.pt                 | medacademe.fr                      | med-acade.me              |
| immuunoncologie.nl              | merckneurology.ro                 | medacademe.it                      | rebassist.co.il           |
| merkelcel.nl                    | merckneurology.ru                 | medacademe.ch                      | lueris.co                 |
| merkelcelcarcinom.nl            | merckneurology.se                 | medacademe.net                     | claries.org               |
| merkelcelkanker.nl              | merckneurology.sg                 | medacademe.info                    | claries.eu                |
| timetotalkabout-ms.be           | merckneurology.si                 | medacademe.org                     | claries.info              |
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| nedisertib.com                  | merckneurology.tw                 | med-academe.com                    | claries-ms.org            |
| nedisertib.info                 | merckneurology.uk                 | med-academe.de                     | claries-ms.eu             |
| nedisertib.eu                   | merckneurology-instructions.com   | med-academe.eu                     | claries-ms.info           |
| nedisertib.de                   | merckneurology-pi.com             | med-academe.fr                     | clarify-ms.com            |
| pre-diabetes.info               | merckneurology.ba                 | med-academe.it                     | clarify-ms.org            |
| merck-oncology.eu               | merckneurology.bb                 | med-academe.ch                     | clarify-ms.eu             |
| merck-oncology.org              | merckneurology.bo                 | med-academe.net                    | clarify-ms.info           |
| mercksclerose.dk                | merckneurology.bs                 | med-academe.info                   | magnify-ms.com            |
| merck-neurology.eu              | merckneurology.by                 | med-academe.org                    | magnify-ms.org            |
| medi-merck.at                   | merckneurology.com.hr             | med-academe.online                 | magnify-ms.eu             |
| glucophage.health               | merckneurology.com.jm             | medical-academe.com                | magnify-ms.info           |
| concor.health                   | merckneurology.com.kw             | medical-academe.de                 | claims-ms.com             |
| euthyrox.health                 | merckneurology.com.py             | medical-academe.eu                 | claims-ms.org             |
| saizen.health                   | merckneurology.com.ve             | medical-academe.fr                 | claims-ms.eu              |
| rebif.health                    | merckneurology.cr                 | medical-academe.it                 | claims-ms.info            |
| creciendofeliztutoriales.com    | merckneurology.do                 | medical-academe.ch                 | classic-ms.com            |
| merck-veranstaltungen.de        | merckneurology.ee                 | medical-academe.net                | classic-ms.org            |
| merck-neurologie.de             | merckneurology.id                 | medical-academe.info               | classic-ms.eu             |
| merckkonkologi.dk               | merckneurology.ir                 | medical-academe.org                | classic-ms.info           |
| hirebi.ca                       | merckneurology.ly                 | medical-academe.online             | clear-ms.com              |
| bonjourrebi.ca                  | merckneurology.my                 | medicacademe.com                   | clear-ms.org              |
| rasonline.pt                    | merckneurology.ni                 | medicacademe.de                    | clear-ms.eu               |
| merckneurologi.se               | merckneurology.sv                 | medicacademe.eu                    | clear-ms.info             |
| merckneurology.ch               | merckneurology.tn                 | medicacademe.fr                    | mavenciad-instructions.pt |
| merckneurology.ye               | merckneurology.uy                 | medicacademe.it                    | timetotalkaboutms.tn      |
| merckneurology.ae               | merckneurology.gt                 | medicacademe.ch                    | timetotalkaboutms.ma      |
| merckneurology.at               | merckneurology.hr                 | medicacademe.net                   | merckms.fi                |
| merckneurology.be               | merckneurology.kr                 | medicacademe.info                  | medicacademe.com          |
| merckneurology.biz              | merckneurology.com.mt             | medicacademe.org                   | medicacademe.de           |
| merckneurology.bz               | merckneurology.is                 | medicacademe.online                | medicacademe.eu           |
| merckneurology.ca               | merckneurology.kz                 | medacademe.es                      | medicacademe.net          |
| merckneurology.cl               | merckneurology.ma                 | med-academe.es                     | medicacademe.info         |
| merckneurology.cn               | merckneurology.qa                 | medicacademe.es                    | medicacademe.org          |
| merckneurology.co               | merckneurology.rs                 | medicacademe.es                    | academeonline.com         |
| merckneurology.co.at            | merckneurology.tt                 | meded-academe.com                  | academeonline.de          |
| merckneurology.co.za            | merckfertility.nl                 | meded-academe.de                   | academeonline.eu          |
| merckneurology.com.ar           | timetotalkaboutms.ru              | meded-academe.eu                   | academeonline.net         |
| merckneurology.com.br           | timetotalkabout-ms.ru             | meded-academe.fr                   | academeonline.info        |
| merckneurology.com.lv           | bavencio.jp                       | meded-academe.es                   | academeonline.org         |
| merckneurology.com.pl           | fertiadvance.com                  | meded-academe.ch                   | heal-info.com             |
| merckneurology.com.pt           | fertiadvance.fr                   | meded-academe.net                  | gme-digital-pool.com      |
| merckneurology.com.ro           | professionels-fertilite.com       | meded-academe.info                 | glucophage60years.com     |
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| medikalbilgim.com                 | certielle.ca                | pencylcap.net           | avanclad.sy       |
| medicalbilgim.com                 | prinuvan.ca                 | stimuvax.net            | clavido.sy        |
| healtheducationandliteracy.org    | tecemotide.ca               | stimuvax.org            | avanclad.bh       |
| healtheducation-and-literacy.org  | certielle.kr                | mucteravax.info         | clavido.bh        |
| health-education-andliteracy.org  | prinuvan.kr                 | imabeq.info             | vectroclad.bh     |
| healtheducation-andliteracy.org   | merelif.tw                  | gemtumil.info           | clavido.dz        |
| health-education-and-literacy.org | certielle.com.mx            | pencylcap.info          | vectroclad.dz     |
| ms-care.be                        | prinuvan.com.mx             | reproductivehealth.asia | avanclad.eg       |
| mscare.be                         | stimuvax.asia               | certielle.eu            | clavido.eg        |
| seronomedicalsupport.be           | thehoperegistry.com         | prinuvan.eu             | vectroclad.eg     |
| onkolojiportal.com                | hoperegistrystudy.com       | xetuxa.eu               | avanclad.com.cy   |
| merck-ms.fi                       | my48weeks.com               | imabeq.eu               | clavido.com.cy    |
| pattipspporti.com                 | pregnesin.com               | stimuvax.eu             | avanclad.cy       |
| curafa.com                        | stimris.info                | artusto.eu              | clavido.cy        |
| curafa.org                        | stimuvax.info               | siatope.eu              | vectroclad.cy     |
| bavencio.se                       | hoperegistrystudy.org       | stimuvam.eu             | avanclad.com.lb   |
| prediabetesnow.com                | thehoperegistry.org         | stimuvay.eu             | clavido.com.lb    |
| prediabetesnow.org                | prinuvan.info               | deimmunisation.com      | vectroclad.com.lb |
| prediabetesnow.info               | prinuvan.net                | certielle.com           | mavenclad.ua      |
| prediabetesnow.net                | certielle.sg                | recera.com              | mavanclad.ua      |
| diabetes-test.com.mx              | prinuvan.sg                 | artusto.com             | mavenclad.aw      |
| diabetes-test.net                 | certielle.asia              | xn--infertil-k7a.com    | mavanclad.aw      |
| myprediabetes.net                 | prinuvan.asia               | certielle.net           | mavenclad.py      |
| myprediabetes.org                 | pencylcap.asia              | xn--fertil-i1a.net      | mavanclad.py      |
| myprediabetes.info                | pencylcap.eu                | xn--infertil-k7a.net    | mavenclad.jm      |
| yourprediabetes.net               | stimuvaxstart.com           | stimuvam.info           | mavanclad.jm      |
| yourprediabetes.org               | vitronectin.com             | stimuvay.info           | mavenclad.cw      |
| yourprediabetes.info              | mucteravax.com              | omouma.info             | mavanclad.cw      |
| merckwebinarturkiye.com           | imabeq.com                  | artusto.info            | adveva.dz         |
| certielle.us                      | stencim.com                 | stenvax.info            | adveva.com.om     |
| prinuvan.us                       | stimuvad.com                | speakupforschn.com      | merckneurology.bg |
| pencylcap.us                      | stimuvay.com                | cyanideantidote.us      | merckneurology.jo |
| xn--tkv13bi0u.cn                  | stimuvam.com                | cyanidepoisoning.us     | merckneurology.om |
| certielle.cn                      | stimodez.com                | certielle.de            | bavencio.co.jp    |
| prinuvan.cn                       | stimbisa.com                | prinuvan.de             | easypod.cl        |
| xn--dqr941k83g.cn                 | gemtumil.com                | multidose.at            | encadix.com.ar    |
| xn--fjq09j.cn                     | worldcancernews.com         | cyanokit.com.br         | rebassist.com.ar  |
| xn--gtvx72cgzc.cn                 | internationalcancernews.com | rakovinastrev.cz        | scienat.com.ar    |
| xn--sxwr27b.cn                    | globalcancernews.com        | avanclad.com.tr         | merelif.hu        |
| xn--w9qud120c.cn                  | eliaben.com                 | vectroclad.com.tr       | refshel.hu        |
| tecemotide.co.uk                  | 1-866letstry.com            | clavido.com.tr          | rebidoso.hu       |
| merelif.com.co                    | xn--fertil-i1a.com          | avanclad.sa             | pergoveris.hu     |
| certielle.co                      | blp25.net                   | clavido.sa              |                   |

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**III. Designs**

| Design      | Country        | Application number | Registration number | Case number according to internal database |
|-------------|----------------|--------------------|---------------------|--------------------------------------------|
| CONCORAM 3D | European Union | 10957314           | 2056168             | D1011EU00                                  |

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#### IV. Patents

| Case number according to internal database | Application numbers competent patent authorities                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0097237                                    | 06004562.2; 11/516,295                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 0097436                                    | 04011760.8; 10/935,532; 17160/99; 2,312,188; 2,693,296; 2000-524321; 20040402844; 98961978.8                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 0098362                                    | 11/475,627; 13/533,250; 2,339,331; 55836/99; 99812456.7; 99942468.2                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| P 14/124                                   | 15/323,215; 15739513.8; 2,953,843; 2015283220; 201580035409.X; 2017-500045; 249803                                                                                                                                                                                                                                                                                                                                                                           |
| P 14/125                                   | 11201710325R; 15/205,136; 2016290950; PCT/US16/41438                                                                                                                                                                                                                                                                                                                                                                                                         |
| P 14/143                                   | 10-2017-7003586; 11201700140T; 14/814,659; 15/370,645; 15747950.2; 2,954,681; 2015296210; 201580050359.2; 2017/00467; 2017105133; 201717001505; 2017-505203; 250267; 728133; BR112017001221-9; MX/a/2017/001103; P 15 01 02464; P00201701259; PCT 130/2017; PCT/US15/43090                                                                                                                                                                                   |
| P 14/148                                   | 10-2017-7005959; 11201700832Y; 15/501,494; 15736401.9; 2,957,154; 2015299431; 201580041751.0; 2017/01575; 2017107089; 201737007175; 2017-506706; 250422; 728847; BR112017000730-4; MX/a/2017/001352; P00201701378; P150102489; PCT166/2017                                                                                                                                                                                                                   |
| P 14/153                                   | 15/522,108; 15788326.5; 2,965,862; 2015341081; 201580058972.9; 201737018178; 2017-522827; 251946                                                                                                                                                                                                                                                                                                                                                             |
| P 14/160                                   | 15/505,345; 15744882.0; 2,958,508; 2015306458; 201580045223.2; 2017-510567; 250306                                                                                                                                                                                                                                                                                                                                                                           |
| P 14/166                                   | 10-2017-7006711; 11201701189T; 14827003; 15750744.3; 17111525.2; 2015303135; 201580054385.2; 2017/01810; 2017108203; 201717004042; 2017-508075; 250622; 2956126; 32861SG7; 728490; BR112017002646-5; MX/a/2017/001712; PCT 233/2017                                                                                                                                                                                                                          |
| P 14/168                                   | 00420-2017; 10-2017-7007060; 11201700579X; 1-2017-500196; 14/845,428; 15/680,683; 15766320.4; 1701001083; 2,956,465; 2015311826; 201580059548.6; 2017/00737; 2017111200; 201717005356; 2017-512706; 250890; 728520; a 2017 03198; BR112017003764-5; MX/a/2017/002365; P 15 01 02837; P00201702100; PCT 328/2017; PI 2017700441                                                                                                                               |
| P 14/169                                   | 10-2017-7010430; 11201702132W; 15/511,959; 15750932.4; 17112205.7; 2,961,426; 2015317411; 201580049629.8; 2017/02627; 2017113001; 201737013070; 2017-514906; 251077; 730664; BR112017004729-2; MX/a/2017/003406; P00201702404; PCT441/2017                                                                                                                                                                                                                   |
| P 14/170                                   | 10-2017-7010415; 11201702135P; 15/511,993; 15753899.2; 17112274.3; 2,961,421; 2015317409; 201580049728.6; 2017/02629; 2017112998; 201737013066; 2017-514914; 251078; 730666; BR112017005336-5; MX/a/2017/003015; P00201702378; PCT440/2017                                                                                                                                                                                                                   |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Case number according to internal database | Application numbers competent patent authorities                                                                                                                                                                                                                                                                    |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P 14/187                                   | 10-2017-7011646; 11201702620S; 15/516,422; 15800714.6; 2,963,198; 2015327412; 201580053454.8; 2017/03005; 2017115191; 201717005271; 2017-518064; 251299; 535/2017; 730990; BR112017006349-2; MX/a/2017/004043; P00201702729                                                                                         |
| P 14/188                                   | 10-2017-7011627; 11201702625P; 15/516,420; 15775380.7; 2,963,186; 2015327411; 201580053424.7; 2017/02999; 2017115193; 201717005270; 2017-518069; 251300; 730991; BR112017006368-9; MX/a/2017/004037; P00201702739; PCT534/2017                                                                                      |
| P 14/189                                   | 10-2017-7011643; 11201702623T; 15/516,424; 15780765.2; 2,963,205; 2015327346; 201580053425.1; 2017/03006; 2017115188; 201717005272; 2017-518100; 251301; 730994; BR112017006420-0; MX/a/2017/004046; P00201702748; PCT533/2017                                                                                      |
| P 14/190                                   | 10-2017-70011562; 11201702628X; 1-2017-500293; 15/516,427; 15778613.8; 1701001806; 2,963,203; 2015327345; 201580053501.9; 2017/03007; 201700792; 2017115192; 201717005907; 2017-518070; 251302; 730981; a201704168; BR1120170066220; MX/a/2017/003999; P00201702746; PCT551/2017; PI2017701058                      |
| P 14/192                                   | 00786-2017; 10-2017-7012190; 11201701573Q; 1-2017-500408; 14/876,224; 15784212.1; 1701001893; 2,960,401; 2015328285; 201580066142.0; 2017/01501; 2017115852; 201747014370; 2017-518323; 251441; 729603; a 2017 04444; BR112017006305-0; MX/a/2017/0004200; P 15 01 03209; P00201702823; PCT 565/2017; PI 2017700863 |
| P 14/204                                   | 15/522,530; 15783957.2; 2,965,858; 2015341070; 201580058962.5; 2017-523334; 251946                                                                                                                                                                                                                                  |
| P 14/207                                   | 15/523,888; 15785053.8; 2,966,397; 2015342264; 201580059697.2; 2017-524014; 252008                                                                                                                                                                                                                                  |
| P 14/228                                   | 10-2017-7015188; 11201702741S; 14/945,610; 15/701,842; 15801650.1; 2,964,982; 2015349899; 201580073060.9; 2017/02402; 2017120274; 201747018305; 2017-527260; 252346; 730728; BR112017009800-8; MX/a/2017/006266; P 15 01 03793; P00201704042; PCT 829/2017                                                          |
| P 14/231                                   | 15/528,116; 15807800.6; 2,968,436; 2015349033; 201580062851.1; 2017/04197; 201737021306; 2017-527333; 252381; BR112017008500-3                                                                                                                                                                                      |
| P 14/232                                   | 15/528,282; 15807798.2; 2,968,431; 2015349026; 201580062552.8; 2017/04196; 201737021058; 2017-527334; 252380; BR112017010403-2                                                                                                                                                                                      |
| P 14/242                                   | 01478-2017; 10-2017-7018885; 11201704767Y; 1-2017-500718; 15/534,527; 15794469.5; 1701003238; 2,970,391; 201536005; 201580067628.6; 2017/04654; 2017124612; 201737023891; 2017-531477; 252752; 731783; a201707191; BR112017012136-0; MX/a/2017/007372; P00201704429; PCT971/2017; PI2017702087                      |
| P 14/243                                   | 01477-2017; 10-2017-7018867; 11201704763S; 1-2017-500719; 15/543,123; 15794470.3; 1701003239; 2,970,394; 2015360006; 201580067248.2; 2017/04621; 2017124371; 201737023724; 2017-531476; 252750; 731770; a201707106; BR112017010232-3; MX/a/2017/007374; P00201704397; PCT970/2017; PI2017702088                     |
| P 14/250                                   | 14/964,945; 15819963.8; 2,967,853; 2015360547; 201580073872.3; 2017-531267; 252751                                                                                                                                                                                                                                  |
| P 14/255                                   | 14/969,328; 15817737.8; 2,967,694; 2015362700; 201580075788.5; 2017-550102; 252753                                                                                                                                                                                                                                  |
| P 14/289                                   | 15/521,891; 15805462.7; 2,963,615; 2015357053; 201580066113.4; 2017-529338; 252004                                                                                                                                                                                                                                  |
| P 15/015                                   | 10-2017-7020263; 11201704628V; 15/016,569; 15/620,049; 16706472.4; 2,970,534; 2016215185; 201680018713.8; 2017/04331; 2017130762; 201747022886; 2017-540605; 253520; 732538; BR112017013677-5; MX/a/2017/009625; P00201705864; PCT 1292/2017                                                                        |
| P 15/016                                   | 10-2017-7020262; 11201704651U; 15/016,584; 15/450,463; 16706471.6; 2,970,550; 2016215184; 201680018681.1; 2017/04332; 2017130761; 201747022887; 2017-539435; 253519; 732527; BR112017014970-2; MX/a/2017/009624; P00201705858; PCT 1291/2017                                                                        |
| P 15/021                                   | 15/550,383; 16704543.4; 2,976,415; 2016218569; 201680009944.2; 2017-542002; 253933                                                                                                                                                                                                                                  |
| P 15/025                                   | 10-2017-7026975; 105106010; 11201706918Y; 15/553,437; 16711389.3; 2,977,767; 2016222928; 201680012312.1; 2017/06433; 2017133273; 201737033611; 254131; 733854; BR112017018234-3; MX/a/2017/010773; P00201706436; PCT/US2016/019120                                                                                  |
| P 15/049                                   | 10-2017-7031770; 11201708065Q; 15/563,680; 16717560.3; 2,981,365; 2016239270; 2017/07423; 2017138100; 201737038666; 2017-551589; 254714; 736641; BR112017020941-1; MX/a/2017/012613; P00201707684; PCT/EP2016/000542; PCT1611/2017                                                                                  |
| P 15/055                                   | 15/566,933; 16710920.6; 2,982,664; 2016249537; 201680022247.0; 2017-554301; 254747                                                                                                                                                                                                                                  |
| P 15/104                                   | 105118967; 11201710461Y; 1-2017-05349; 1-2017-501857; 15/736,615; 16732440.9; 256245; BR112017027026-9; MX/a/2017/016324; PCT/US2016/037498; PCT2057/2017                                                                                                                                                           |
| P 15/109                                   | 11201709218Y; 1-2017-502051; 15/194,780; 16738317.3; 2016287335; 2017/07641; 201747043314; 737158; MX/a/2017/015357; PCT/US16/39734                                                                                                                                                                                 |
| P 15/130                                   | PCT/EP2016/001261                                                                                                                                                                                                                                                                                                   |
| P 15/135                                   | PCT/EP2016/069177                                                                                                                                                                                                                                                                                                   |
| P 15/141                                   | PCT/EP2016/001114                                                                                                                                                                                                                                                                                                   |
| P 15/143                                   | PCT/EP2016/001158                                                                                                                                                                                                                                                                                                   |
| P 15/150                                   | PCT/EP2016/001344                                                                                                                                                                                                                                                                                                   |
| P 15/167                                   | PCT/US16/49378                                                                                                                                                                                                                                                                                                      |
| P 15/172                                   | 15/267,565; PCT/US16/52104                                                                                                                                                                                                                                                                                          |
| P 15/173                                   | 15/267,606; PCT/US16/52107                                                                                                                                                                                                                                                                                          |
| P 15/174                                   | PCT/EP2016/001376                                                                                                                                                                                                                                                                                                   |
| P 15/179                                   | PCT/EP2016/001531                                                                                                                                                                                                                                                                                                   |
| P 15/180                                   | PCT/EP2016/001530                                                                                                                                                                                                                                                                                                   |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Case number according to internal database | Application numbers competent patent authorities     |
|--------------------------------------------|------------------------------------------------------|
| P 15/205                                   | PCT/EP2016/001791                                    |
| P 15/220                                   | PCT/EP2016/001668                                    |
| P 15/226                                   | 105135943; 15/343,570; P160103378; PCT/US16/60508    |
| P 15/227                                   | 15/352,657; PCT/US16/62154                           |
| P 15/232                                   | 105138308; P160103577; PCT/EP2016/001970             |
| P 15/241                                   | 105140288; P160103760; PCT/EP2016/002040             |
| P 15/260                                   | 105142060; 15/381,406; P 16 01 03914; PCT/US16/67112 |
| P 15/273                                   | PCT/US2016/053939                                    |
| P 15/278                                   | 105114801; 2,929,848; P160101394; PCT/IB2016/052748  |
| P 16/005                                   | P170100065; PCT/EP2016/002118                        |
| P 16/015                                   | PCT/EP2017/000102                                    |
| P 16/032                                   | 15/474,153; PCT/US17/24960                           |
| P 16/046                                   | 15/474,179; PCT/US17/24964                           |
| P 16/047                                   | 15/474,193; PCT/US17/24967                           |
| P 16/049                                   | PCT/EP2017/057168                                    |
| P 16/063                                   | PCT/EP2017/059689                                    |
| P 16/086                                   | 106116958; PCT/EP2017/062221                         |
| P 16/087                                   | 106117304; 62/471,459; PCT/EP2017/062213             |
| P 16/147                                   | 15/670,068; PCT/US17/45671                           |
| P 16/151                                   | 15/677,272; PCT/US17/46865                           |
| P 16/160                                   | 15/674,655; PCT/EP2017/070513                        |
| P 16/183                                   | PCT/EP2017/073106                                    |
| P 16/184                                   | PCT/EP2017/073712                                    |
| P 16/214                                   | PCT/US17/67114                                       |
| P 16/230                                   | PCT/EP2017/078263                                    |
| P 16/251                                   | PCT/IB2017/056160                                    |
| P 16/270                                   | 16200912.0                                           |
| P 16/287                                   | PCT/EP2017/083272                                    |
| P 17/005                                   | 62/443,698                                           |
| P 17/017                                   | 17154388.7                                           |
| P 17/042                                   | 17159470.8                                           |
| P 17/043                                   | 62/463,913; 62/528,238                               |
| P 17/066                                   | 62/472,880; PCT/EP2017/056448                        |
| P 17/087                                   | 17204926.4                                           |
| P 17/141                                   | 17172564.1                                           |
| P 17/142                                   | 17172563.3                                           |
| P 17/143                                   | 62/533,820                                           |
| P 17/156                                   | 102017005918.7                                       |
| P 17/188                                   | 17184272.7                                           |
| P 17/190                                   | 62/573,251                                           |
| P 17/196                                   | 62/514,180                                           |
| P 17/204                                   | 17187101.5                                           |
| P 17/205                                   | 17187100.7                                           |
| P 17/207                                   | 17187636.0                                           |
| P 17/228                                   | 17192467.3                                           |
| P 17/232                                   | 17193587.7                                           |
| P 17/234                                   | 17194169.3                                           |
| P 17/235                                   | 17194220.4                                           |
| P 17/238                                   | 62/573,255                                           |
| P 17/243                                   | 17195656.8                                           |
| P 17/285                                   | 62/607,406                                           |



The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Case number according to internal database | Application numbers competent patent authorities                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P 17/301                                   | 62/590,438                                                                                                                                                                                                                                                                                                                                                                             |
| P 17/302                                   | 62/590,442                                                                                                                                                                                                                                                                                                                                                                             |
| P 88/005 L                                 | 08/487,761                                                                                                                                                                                                                                                                                                                                                                             |
| P 99/025                                   | 00206; 00972122.6; 02/1222; 0242/02PC; 061412; 089122713; 09/432,465; 09/460,920; 10-2002-7005673; 106733; 10826/01; 1-2000-02661; 149139; 2,389,928; 2002/03368; 2002/2087; 200202380-2; 2002054481/A; 2002063; 2002114820; 2940-00; 343/2000; 518278; a 2002 00560; AP2000004798; P-02-94; P0300218; P-364885; PA/a/2002/004282; PI20004995; PP 2002-500; PV 2002-1546; W00200201239 |
| I 02/030                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 02/208                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 09/048                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 11/011                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 13/126                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 13/322                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 13/323                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 14/155                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 14/279                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 14/304                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 14/305                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 15/043                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 15/161                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 15/324                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 16/034                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 16/061                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 16/068                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 16/069                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 16/070                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 16/071                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 16/072                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 16/215                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 16/216                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 17/060                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 17/061                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 17/111                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 17/195                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 17/264                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 17/274                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 17/290                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |
| I 17/327                                   | [not yet available]                                                                                                                                                                                                                                                                                                                                                                    |

### **Annex 4.2.b**

Intangible Assets Healthcare recognized in the balance sheet

**Asset number according to accounting**

|         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1029580 | 1083412 | 1061867 | 1070013 | 1029577 | 1052335 | 1054772 | 1081932 | 1083377 | 1065368 |
| 1056157 | 1054698 | 1065353 | 1040422 | 1069052 | 1018174 | 1029572 | 1029571 | 1042044 | 1077725 |
| 1083402 | 1037254 | 1027402 | 1048063 | 1057018 | 1049459 | 1029574 | 1083600 | 1061585 | 1050696 |
| 1083409 | 1083411 | 1040565 | 1078454 | 1029570 | 1057730 | 1071295 | 1076337 | 1068624 | 1036335 |
| 1058539 | 1083404 | 1068952 | 1013668 | 1029567 | 1029575 | 1054771 | 1069053 | 1066218 | 1078320 |
| 1034248 | 1037068 | 1023531 | 1065014 | 1063743 | 1042440 | 1059325 | 1075263 | 1068482 | 1054156 |
| 1070453 | 1029576 | 1065037 | 1064945 | 1054768 | 1036246 | 1065341 | 1075264 | 1029573 | 1054159 |
| 1029582 | 1067879 | 1067936 | 1029584 | 1029581 | 1054769 | 1063690 | 1083376 | 1080988 |         |

### **Annex 4.3.b**

Content of the Trust Agreement with regard to Registered Property  
Rights pursuant to § 4.3.b of the Hive-down and Transfer Agreement be-  
tween KGaA and HC OpCo

**Content of the Trust Agreement  
with regard to Registered Property Rights pursuant to Section 4.3.b of the Hive-  
down and Transfer Agreement between  
KGaA and HC OpCo**

**§ 1 Trust Agreement**

- 1.1 By way of a trust agreement, KGaA undertakes to hold the Registered Property Rights in trust for HC OpCo and solely in HC OpCo's interest. In particular, KGaA shall not have the right to transfer, assign, encumber, pledge or abandon the Registered Property Rights or grant licenses to them without the prior consent of HC OpCo.
- 1.2 HC OpCo shall have the right to extend the trust relationship established as per this Trust Agreement to additional trademarks, patents, domains, or other registered property rights (or respective applications) at any time by so instructing KGaA. In particular, HC OpCo may instruct KGaA to register additional property rights under this Trust Agreement in HC OpCo's interest. All such additional property rights (or respective applications) shall be regarded as Registered Property Rights within the meaning of this Trust Agreement from the time the order is issued by HC OpCo. Once a year, the Parties shall update the list of Registered Property Rights accordingly as set forth in Annex 4.2 of the Hive-down Agreement.
- 1.3 The Parties agree that, during the term of the fiduciary administration, KGaA shall have the same economic rights with respect to the Registered Property Rights as the legal owner, and that the fiduciary administration shall not result in KGaA being the beneficial owner of the Registered Property Rights, whether in whole or in part.
- 1.4 The provisions of this Trust Agreement shall have no impact on licenses granted to third parties under the Registered Property Rights and the related rights and obligations of such third parties or HC OpCo. If licenses under the Registered Property Rights are required to be submitted to national or other authorities, KGaA shall undertake to submit them under this Trust Agreement.

**§ 2 Rights and Obligations of KGaA**

- 2.1 KGaA shall be obligated to carry out all instructions issued by HC OpCo in connection with the Registered Property Rights. KGaA shall be obligated to perform all duties arising from this Trust Agreement with utmost diligence.
- 2.2 KGaA shall be obligated to register, prosecute, maintain, and monitor the Registered Property Rights in all countries determined by HC OpCo. This shall, in particular, include KGaA's duty to monitor deadlines, pay due fees in time and submit registrations, applications, and other communications to the respective

registry authorities in a timely fashion. When doing so, KGaA shall act in HC OpCo's best interest at all times and operate in such a manner that the business operations of HC OpCo are protected in an economically viable way. Should KGaA be in doubt whether a certain registration, prosecution or maintenance action is in HC OpCo's interest, it shall ask HC OpCo to give respective instructions.

- 2.3 KGaA shall only be obligated and entitled to assert the Registered Property Rights against current or potential infringers if HC OpCo has issued an explicit order. Such explicit order can also be given in generalized form. If KGaA receives such order, it shall assert the Registered Property Rights in HC OpCo's best interest and in accordance with the latter's instructions, while keeping HC OpCo informed of all key aspects of the proceedings. KGaA shall approach HC OpCo if it considers a certain action useful with regard to asserting the Registered Property Rights, provide reasons for its assessment and request respective instructions from HC OpCo.
- 2.4 As between KGaA and HC OpCo, HC OpCo shall be entitled to all payments that KGaA receives in connection with its activities under this Trust Agreement, including all license fees or compensation payments for damages paid by third parties.
- 2.5 KGaA shall be permitted to engage a trustee with the performance of its obligations under this Trust Agreement, such as Merck Patent GmbH, Darmstadt, Germany, an affiliated company of KGaA.

### **§ 3 Rights and Obligations of HC OpCo**

- 3.1 Subject to any third-party rights arising from any license agreements, HC OpCo shall have the exclusive right to use and exploit the Registered Property Rights in any way. This includes HC OpCo's right to assign such rights to any third parties or have them exercised by any third parties (including the right to grant licenses).
- 3.2 HC OpCo shall have the right to give instructions with regard to the Registered Property Rights to KGaA at any time.
- 3.3 HC OpCo shall be obligated to assist KGaA with the registration, prosecution, maintenance, monitoring and assertion of Registered Property Rights, in particular, if so requested by KGaA, by (a) submitting all declarations required for registration, prosecution, maintenance, and assertion of the Registered Property Rights in the respective jurisdiction and by (b) providing KGaA with all documents and information useful for registration, prosecution, maintenance and assertion of the Registered Property Rights.
- 3.4 HC OpCo shall be entitled to demand at any time that KGaA suspends any and all activities in relation to one or more Registered Property Rights and to take over the registration, prosecution, maintenance and assertion of particular Registered Property Rights from KGaA.

#### **§ 4 Costs and Accounting**

- 4.1 All costs and expenses incurred by KGaA in connection with its obligations under this Trust Agreement shall be borne by HC OpCo. KGaA shall invoice HC OpCo for all costs incurred as a result of performing its obligations under this Trust Agreement on a monthly basis. This shall, in particular, include official fees, legal fees, and in-house costs of KGaA. To the extent applicable, VAT shall be added to the reported amount and reimbursed to KGaA.
- 4.2 Within 60 days of receipt of an invoice, HC OpCo must transfer the substantiated and invoiced amount pursuant to Section 4.1 in euros to a bank account specified by KGaA.
- 4.3 For clarity, the Parties hereby agree that HC OpCo shall be solely responsible for paying compensation for employee inventions that result from applicable laws or the application of the Award Plan for Inventions (MAPI) of KGaA. If desired by HC OpCo, however, KGaA shall claim an employee invention on HC OpCo's behalf, prepare standard contracts with the employee inventors and calculate the respective remunerations or shall commission a third party to perform such activities.

#### **§ 5 Term and Termination**

- 5.1 This Trust Agreement shall take effect upon the hive-down being registered in the Commercial Register with retroactive economic effect from midnight on January 1, 2018 and is entered into for an indefinite period of time.
- 5.2 HC OpCo may terminate this Trust Agreement for convenience at any time upon giving 6 months' notice at the end of each calendar month. KGaA may terminate this Trust Agreement for convenience at any time upon giving 6 months' notice at the end of each calendar month.
- 5.3 The right of both Parties to terminate this Trust Agreement for due cause shall remain unaffected.
- 5.4 Upon termination of this Trust Agreement, all rights of the Parties under this Trust Agreement shall terminate, unless otherwise expressly specified herein. Upon such termination becoming effective, legal ownership of the Registered Property Rights shall be transferred from KGaA to HC OpCo. KGaA hereby agrees to such transfer. HC OpCo shall be responsible for the registration of such transfer of ownership in the Registered Property Rights in the respective registers at its own expense.

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#### **Annex 4.4**

Content of the License Agreement with respect to the Licensed Property Rights Healthcare and the Licensed Rights Of Use Healthcare pursuant to § 4.4 of the Hive-down and Transfer Agreement, as well as the licensed know-how pursuant to § 5.2 of the Hive-down and Transfer Agreement between KGaA and HC OpCo



**Content of the License Agreement  
with respect to the Licensed Property Rights Healthcare and the Licensed Rights  
of Use Healthcare pursuant to Section 4.4  
of the Hive-down Agreement, as well as the licensed Know-How pursuant to Sec-  
tion 5.2 of the Hive-down Agreement between  
KGaA and HC OpCo**

**A. Specific provisions for trademark license**

**§ 1 Scope of the License**

- 1.1 KGaA grants to HC OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the trademarks licensed under Section 4.4.a of the Hive-down Agreement solely in the course of the ordinary business operations of the Healthcare sector, as specified in paragraph 2.a) of the Preamble of the Hive-down Agreement. In particular, the license includes the right to use the licensed trademarks to identify HC OpCo products and services in the ordinary course of business of the Healthcare sector.
- 1.2 The above license shall also be granted for any and all future trademarks which KGaA has applied for or registered in extension, modification or further development of the trademarks licensed in accordance with Section 1.1.
- 1.3 HC OpCo shall not be permitted to grant sublicenses to third parties without the prior written consent of KGaA with regard to the respective sublicense.

**§ 2 Use of the licensed trademarks**

- 2.1 HC OpCo shall have the right to use the trademarks licensed herein in combination with any other trademarks, names, and trade names owned by or licensed to HC OpCo.
- 2.2 HC OpCo may only use the licensed trademarks within the scope of guidelines relating to corporate identity provided by KGaA.
- 2.3 HC OpCo shall be prohibited from modifying the licensed trademarks or using such modified trademarks. In particular, HC OpCo shall be prohibited from developing, registering or otherwise using identical or confusingly similar characters, names, logos, or images in any part of the world. The sole right to extend, modify or further develop the licensed trademarks worldwide shall lie with KGaA. Should HC OpCo be interested in any extension, modification or further development of any trademark, it may submit respective proposals to KGaA. In this case, KGaA shall not be obligated to implement the such proposals. Should KGaA implement a corresponding proposal so submitted by HC OpCo, Section 1.2 shall apply.

- 2.4 HC OpCo acknowledges that KGaA is exclusively entitled to the value and reputation (*goodwill*) of the licensed trademarks and all associated rights. HC OpCo undertakes to refrain from any action that could diminish or damage the value or reputation of the trademark.

### **§ 3 Registration, prosecution, maintenance, defense and enforcement of trademark rights**

- 3.1 KGaA shall have the sole right and obligation to take all necessary actions to maintain and prosecute the licensed trademarks during the term of this License Agreement. This includes, in particular, the timely submission of required applications, the timely submission of required declarations and the timely payment of official fees, as well as the defense against oppositions, revocations or similar proceedings against the licensed trademarks. As part of its prosecution, KGaA shall have the right to abandon licensed trademarks in the ordinary course of its business operations. If the abandoning of any trademarks involves substantial interests of HC OpCo, KGaA may only abandon such trademarks upon the prior consent of HC OpCo.
- 3.2 As between KGaA and HC OpCo and during the term of this License Agreement, KGaA shall have the sole right to enforce the licensed trademarks against current or potential infringers. KGaA shall take HC OpCo's interests into account. HC OpCo must immediately inform KGaA upon becoming aware of a current or potential infringement of the licensed trademarks. HC OpCo shall further provide appropriate assistance to KGaA with regard to the enforcement of the licensed trademarks in the Healthcare sector.

## **B. Specific provisions for patent license**

### **§ 4 Scope of the License**

- 4.1 KGaA grants to HC OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the patent rights licensed under Section 4.4.b of the Hive-down Agreement solely in the course of the ordinary business operations of the Healthcare sector, as specified in paragraph 2.a) of the Preamble of the Hive-down Agreement. In particular, the license includes the right to manufacture and sell HC OpCo products in the ordinary course of business of the Healthcare sector.
- 4.2 The above license shall also be granted for any and all future patent rights that KGaA has applied for or registered claiming the priority of the patent rights licensed under Section 4.1 above.
- 4.3 HC OpCo shall only be permitted to grant sublicenses to third parties under the license granted to it in accordance with Section 4.1 to the extent it is necessary for the purposes of its ordinary business operations (e.g., in relation to

the appointment of subcontractors) and upon the prior written consent of KGaA with regard to the respective sublicense.

## **§ 5 Registration, prosecution, maintenance, defense and enforcement of patent rights**

- 5.1 KGaA shall have the sole right and obligation to take all necessary actions to maintain and prosecute the licensed patent rights during the term of this License Agreement. This includes, in particular, the right to solely determine a filing strategy, the timely filing of required applications, the timely submission of required declarations and statements and the timely payment of official fees, as well as the defense against any oppositions, revocations, or similar proceedings against the licensed patents. As part of the prosecution, KGaA may abandon licensed patents in the ordinary course of its business operations. If the abandoning of any patent right involves substantial interests of HC OpCo, KGaA may only abandon such patent upon the prior consent of HC OpCo.
- 5.2 As between KGaA and HC OpCo and during the term of this License Agreement, KGaA shall have the sole right to enforce the licensed patent rights against current or potential infringers. KGaA shall take HC OpCo's interests into account. HC OpCo must immediately inform KGaA upon becoming aware of a current or potential infringement of the licensed patents. HC OpCo shall further provide appropriate assistance to KGaA with regard to the enforcement of the licensed patent in the Healthcare sector.

## **C. Specific provisions for license to copyrights and ancillary copyrights, as well as exploitation rights in copyrights**

### **§ 6 Scope of the license**

KGaA grants to HC OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the copyrights and ancillary copyrights licensed in accordance with Section 4.4.c of the Hive-down Agreement exclusively in the ordinary course of business of the Healthcare sector as specified in Section 2.a) of the Preamble to the Hive-down Agreement.

### **§ 7 Defense**

As between KGaA and HC OpCo and during the term of this License Agreement, KGaA shall have the sole right to enforce the licensed copyrights and ancillary copyrights against current or potential infringers. KGaA shall take HC OpCo's interests into account. HC OpCo must immediately inform KGaA upon becoming aware of a current or potential infringement of the licensed copyrights and ancillary copyrights. HC OpCo shall further provide appropriate assistance to KGaA with regard to the enforcement of the licensed copyrights and ancillary copyrights in the Healthcare sector.

## **D. Specific provisions for license to Know-How**

### **§ 8 Scope of the license**

- 8.1 KGaA grants to HC OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the Know-How licensed in accordance with Section 5.2 of the Hive-down Agreement exclusively in the ordinary course of business of the Healthcare sector as specified in Section 2.a) of the Preamble to the Hive-down Agreement.
- 8.2 HC OpCo shall only be permitted to grant sublicenses to third parties under the license granted to it in accordance with Section 8.1 to the extent it is necessary for the purpose of its ordinary business operations (e.g., in relation to the appointment of subcontractors) and upon the prior written consent of KGaA with regard to the respective sublicense.
- 8.3 Sections 5.5 and 5.6 of the Hive-down Agreement shall remain unaffected.

## **E. Specific provisions for license to Rights of Use**

### **§ 9 Scope of the license**

KGaA grants to HC OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable, and non-sublicensable sublicense to use the Licensed Rights of Use Healthcare according to Section 4.4.d of the Hive-down Agreement exclusively in the ordinary course of business of the Healthcare sector as specified in Section 2.a) of the Preamble to the Hive-down Agreement. The granted right to use the Licensed Rights of Use Healthcare shall be limited to those types of use which KGaA itself may exercise. The scope of the respective Right of Use is specified in the agreement concluded between KGaA and the respective licensor (**Principle Agreement**) and terminates upon termination of KGaA's rights under the Principle Agreement. HC OpCo undertakes to comply with all restrictions and obligations of KGaA under the Principle Agreement in such manner that KGaA is able to fulfill its contractual obligations towards the Licensor.

## **F. General provisions**

### **§ 10 Limitations on disposal, third-party rights**

The rights granted in this License Agreement shall apply only to the extent to which KGaA is entitled to dispose of them at the date of its execution. The provisions of this License Agreement shall have no effect on prior licenses granted to third parties under the Licensed Property Rights Healthcare or the Licensed Rights of Use Healthcare, and the rights and obligations of the third party or KGaA set forth therein.

### **§ 11 Assistance**

HC OpCo shall assist KGaA at its own expense with the registration, prosecution, maintenance, defense and enforcement of the Licensed Property Rights or Licensed Rights of Use under this License Agreement and, where appropriate, issue required statements.

### **§ 12 Cost allocation**

HC OpCo shall reimburse KGaA on a pro rata basis for all costs incurred by KGaA in connection with the registration, prosecution, maintenance, defense, and enforcement of the Licensed Property Rights or Licensed Rights of Use under this License Agreement. The proportion of costs to be borne by HC OpCo is to be determined based on the extent to which the respective Licensed Property Right or Licensed Right of Use is used by HC OpCo in comparison to the total use of the respective Licensed Property Right or Licensed Right of Use in the Group. Details shall be agreed upon by the Parties from time to time by mutual agreement.

### **§ 13 Term and termination**

- 13.1 The License Agreement is concluded for an indefinite period of time.
- 13.2 In the event a change of control occurs at HC OpCo or their legal successors, KGaA may terminate the granted licenses for due cause without being obligated to compensate HC OpCo or their legal successors. If KGaA exercises such right to terminate the License Agreement, all rights and obligations stipulated herein shall terminate with immediate effect. A change of control is deemed to have occurred when a third party, which is not an "affiliated company" of HC OpCo or its legal successors in terms of Section 15 et.seq. German Stock Corporation Act (*AktG*), solely or jointly with other third parties directly or indirectly acquires more than 50% of the company shares of HC OpCo or its legal successors or otherwise gains control, whether such control is gained by acquiring company shares, by way of a merger, or as a result of other statutory or contractual measures.
- 13.3 Unless otherwise specified in this License Agreement, this License Agreement may only be terminated if the termination right cannot be waived under applicable law.
- 13.4 If the License Agreement is terminated, all rights and obligations of the Parties under this License Agreement shall be void with immediate effect and without any Party's right to claim compensation. In case of termination of this License Agreement, HC OpCo shall cease the use of the Licensed Property Rights Healthcare and the Licensed Rights of Use Healthcare immediately.

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### **Annex 4.4.a**

#### **Shared IP Trademarks and Brands Healthcare**

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

## I. Trademarks

| Trademark                                       | Application number   | Case number according to internal database |
|-------------------------------------------------|----------------------|--------------------------------------------|
| LIVING SCIENCE, TRANSFORMING LIVES              | 008685729            | TM8941EU00                                 |
| MERCK SERONO LIVING SCIENCE, TRANSFORMING LIVES | 008876567            | TM9046EU00                                 |
| MERCK SERONO-LOGO 3 WITH TAGLINE                |                      | TM9034WO00                                 |
| MERCK SERONO-LOGO 3                             |                      | TM9008WO00                                 |
| MERCK-SERONO                                    | 306 59 136.7/05      | TM3858DE00                                 |
| MERCK SERONO BIOPHARMACEUTICALS                 | 306 59 457.9         | TM3860DE00                                 |
| EMD SERONO                                      | 306 59 456.0         | TM3862DE00                                 |
| EMD SERONO-LOGO                                 | 307 04 450.5         | TM3978DE00                                 |
| MERCK SERONO                                    | 306 59 135.9         | TM3857DE00                                 |
| MERCK SERONO-LOGO 2                             | 30 2009 063 326.6/05 | TM8937DE00                                 |
| EMD SERONO LOGO 2                               | 30 2009 063 325.8/05 | TM8938DE00                                 |
| MERCK SERONO-LOGO 3                             | 30 2009 076 191.4/05 | TM9008DE00                                 |
| EMD SERONO-LOGO 3                               | 30 2009 076 190.6/05 | TM9009DE00                                 |
| MERCK SERONO-LOGO 3 WITH TAGLINE                | 30 2010 007 621.6/05 | TM9034DE00                                 |
| MERCK SERONO LIVING SCIENCE, TRANSFORMING LIVES | 008876567            | TM9046EU00                                 |
| MERCK SERONO-LOGO 2 WITH TAGLINE                | 30 2009 063 327.4/05 | TM8939DE00                                 |
| EMD SERONO-LOGO 2 WITH TAGLINE                  | 30 2009 063 323.1/05 | TM8940DE00                                 |
| LIVING SCIENCE, TRANSFORMING LIVES              | 30 2009 063 330.4/05 | TM8941DE00                                 |
| MERCK SERONO LIVING SCIENCE, TRANSFORMING LIVES | 30 2009 063 328.2/05 | TM8942DE00                                 |
| EMD SERONO LIVING SCIENCE, TRANSFORMING LIVES   | 30 2009 063 329.0/05 | TM8943DE00                                 |
| LIVING SCIENCE, TRANSFORMING LIVES              | 008685729            | TM8941EU00                                 |
| MERCK                                           | 000283986            | TM5305EU00                                 |
| MERCK-ELEMENTE 6                                | 002379212            | TM5382EU00                                 |
| MERCK-CODE 1                                    | 002372266            | TM5373EU00                                 |
| MERCK-CODE 2                                    | 002377257            | TM5374EU00                                 |
| MERCK-ELEMENTE 6                                | 770113               | TM5382WO00                                 |
| UNLEASH THE POTENTIAL OF SCIENCE FOR LIFE       | 009247958            | TM9156EU00                                 |
| MERCK-ELEMENTE 7                                | 003357035            | TM7665EU00                                 |
| MRK                                             | 1 029 774            | TM4114WO00                                 |
| LIVE A BETTER LIFE                              | 009278078            | TM9155EU00                                 |
| MERCK - CUSTOMER CENTRIC - TECHNOLOGY DRIVEN    | 899508               | TM3637WO00                                 |
| MERCK-ELEMENTE 6                                | 1059080              | TM9102WO00                                 |
| MERCK                                           | 1057911              | TM9104WO00                                 |
| MERCK                                           | 1137015              | TM24315WO00                                |
| INNOSPIRE                                       | 014868418            | TM25499EU00                                |
| OUTCUBATOR                                      | 014868401            | TM25498EU00                                |
| MERCK M INITIAL-LOGO                            | 016159097            | TM25487EU00                                |
| MERCK M CELLS-LOGO                              | 016159063            | TM25485EU00                                |
| MERCK                                           | 016159048            | TM25544EU00                                |
| MERCK ONE BLACK-LOGO                            | 016159089            | TM25483EU00                                |
| MERCK ONE BLUE-LOGO                             | 016159055            | TM25484EU00                                |
| MERCK M STRINGS-LOGO                            | 016159071            | TM25486EU00                                |
| MERCK - CUSTOMER CENTRIC - TECHNOLOGY DRIVEN    | 306 19 231           | TM3637DE00                                 |
| MERCK-CODE 2                                    | 306 44 586.7         | TM5374DE00                                 |
| MERCK                                           | 306 44 584.0         | TM5305DE00                                 |
| MERCK CROP BIOSCIENCE                           | 306 44 585.9         | TM3816DE00                                 |
| MERCK-MINILAB                                   | 307 02 788.0         | TM3969DE00                                 |
| SERVICE-SPIEGEL-LOGO                            | 396 27 946.5         | TM6194DE00                                 |
| MERCK                                           | 000283986            | TM5305EU00                                 |
| EMD                                             | 300 91 894.1         | TM3002DE00                                 |
| GPHF-MINILAB                                    | 397 34 334.5         | TM4557DE00                                 |
| LIFE CYCLE MANAGEMENT                           | 398 74 250.2         | TM5169DE00                                 |
| MERCK-CODE 1                                    | 301 30 670.2         | TM5373DE00                                 |
| MERCK-CODE 2                                    | 301 30 671.0         | TM5374DE01                                 |
| MERCK-ELEMENTE 6                                | 301 30 667.2         | TM5382DE00                                 |
| EMD-CODE 1                                      | 301 30 665.6         | TM3040DE00                                 |

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

| Trademark                                 | Application number     | Case number according to internal database |
|-------------------------------------------|------------------------|--------------------------------------------|
| EMD-CODE 2                                | 301 30 664.8           | TM3043DE00                                 |
| MERCK-ELEMENTE 6                          | 002379212              | TM5382EU00                                 |
| MERCK-CODE 2                              | 002377257              | TM5374EU00                                 |
| MERCK-CODE 1                              | 002372266              | TM5373EU00                                 |
| EMD                                       | 301 71 783.4           | TM3002DE01                                 |
| EMD                                       | 301 70 622.0           | TM3002DE02                                 |
| E.MERCK                                   | M61208/5WZ             | TM2537DE00                                 |
| EM-LOGO 1                                 | M24006/5WZ             | TM2927DE00                                 |
| E.MERCK                                   | M55043/5WZ             | TM2537DE01                                 |
| EMERCK-LOGO                               | M9707/5WZ              | TM3149DE00                                 |
| MERCK CHIMIE                              | 302 31 897.6           | TM7285DE00                                 |
| PERSPEKTIVEN-COME2MERCK.DE                | 303 05 096.9           | TM7484DE00                                 |
| MERCK                                     | M46154/42WZ            | TM5305DE01                                 |
| MERCK                                     | M46166/42WZ            | TM5305DE02                                 |
| MERCK-ELEMENTE 7                          | 003357035              | TM7665EU00                                 |
| MERCK-ELEMENTE 8                          | 304 06 658.3           | TM7719DE00                                 |
| MERCK-ELEMENTE 9                          | 304 06 659.1           | TM7720DE00                                 |
| MERCK                                     | M9709/5WZ              | TM5305DE04                                 |
| MERCK                                     | M49562/10WZ            | TM5305DE05                                 |
| MERCK                                     | M 4119                 | TM5305DE06                                 |
| VINCIP                                    | 304 29 670.8           | TM8691DE00                                 |
| MERK                                      | 304 41 699.1           | TM1758DE00                                 |
| PHARMAMALL                                | 300 55 326.9           | TM3068DE00                                 |
| B2B-PHARMAMALL                            | 300 55 327.7           | TM3069DE00                                 |
| BALKENETIKETT-MERCK-CODE 2                | 305 23 705.5           | TM3217DE00                                 |
| WAPPENMARKE-LOGO                          | M9708/5WZ              | TM6680DE00                                 |
| BKK MERCK-LOGO                            | 30 2009 040 703.7/36   | TM8839DE00                                 |
| PHARMAMALL-LOGO                           | 30 2009 054 058        | TM8872DE00                                 |
| PHARMA-MALL                               | 30 2009 054 065.0 / 05 | TM8970DE00                                 |
| MERCK-ELEMENTE 10                         | 30 2010 011 428.2/05   | TM9057DE00                                 |
| MERCKMILLIPORE                            | 30 2010 011 349.9/05   | TM9068DE00                                 |
| MERCK-MILLIPORE                           | 30 2010 011 346.4/05   | TM9070DE00                                 |
| LIVE A BETTER LIFE                        | 009278078              | TM9155EU00                                 |
| UNLEASH THE POTENTIAL OF SCIENCE FOR LIFE | 009247958              | TM9156EU00                                 |
| DOTMERCK                                  | 302012044933.6         | TM24314DE00                                |
| .MERCK                                    | 302012044932.8         | TM24315DE00                                |
| MERCK - LIVING INNOVATION                 | 302012065618           | TM24646DE00                                |
| EMD - LIVING INNOVATION                   | 30 2012 065 619.6/05   | TM24647DE00                                |
| EMERCK (CYRILLIC)                         | 302014036627           | TM25063DE00                                |
| EMERCK (CHINESE)                          | 302014072854           | TM25067DE00                                |
| MD PERFORMANCE MATERIALS                  | 302015047307           | TM25407DE00                                |
| OUTCUBATOR                                | 014868401              | TM25498EU00                                |
| INNOSPIRE                                 | 014868418              | TM25499EU00                                |
| MERCK                                     | 302016002907           | TM25544DE00                                |
| MERCK                                     | 016159048              | TM25544EU00                                |
| MERCK ONE BLACK-LOGO                      | 016159089              | TM25483EU00                                |
| MERCK ONE BLUE-LOGO                       | 016159055              | TM25484EU00                                |
| MERCK M STRINGS-LOGO                      | 016159071              | TM25486EU00                                |
| MERCK M INITIAL-LOGO                      | 016159097              | TM25487EU00                                |
| MERCK M CELLS-LOGO                        | 016159063              | TM25485EU00                                |
| MILLIPORE SIGMA                           | 302016001107           | TM25521DE00                                |
| MERCK ONE BLACK-LOGO                      | 302015055533           | TM25483DE00                                |
| MERCK ONE BLUE-LOGO                       | 302015055534           | TM25484DE00                                |
| MERCK M CELLS-LOGO                        | 302015055537           | TM25485DE00                                |
| MERCK M STRINGS-LOGO                      | 302015055535           | TM25486DE00                                |
| MERCK M INITIAL-LOGO                      | 302015055536           | TM25487DE00                                |
| EMD SERONO-LOGO 4                         | 302015055977           | TM25488DE00                                |
| EMD PERFORMANCE MATERIALS-LOGO            | 302015055976           | TM25489DE00                                |
| MILLIPORE SIGMA-LOGO                      | 302015056289           | TM25490DE00                                |
| WellFair                                  | 302013061604           | TM24807DE00                                |
| MERCK - WIR LEBEN INNOVATION              | 30 2012 065 621.8/05   | TM24657DE00                                |
| MERCK MANUAL                              | 30 2013 023 550.9/16   | TM24701DE00                                |
| MERONO                                    | 302015041921           | TM25387DE00                                |
| MERSERONO                                 | 302015041920           | TM25388DE00                                |
| MERXUS                                    | 302015041923           | TM25390DE00                                |
| MERCK-ELEMENTE 6                          | 30 2010 026 325.3/07   | TM9102DE00                                 |



**Annex 4.4.a**

## Shared IP Trademarks and Brands Healthcare

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

| Trademark              | Application number   | Case number according to internal database |
|------------------------|----------------------|--------------------------------------------|
| MERCK-CODE 2           | 30 2010 026 324.5/07 | TM9103DE00                                 |
| MERCK                  | 30 2010 026 323.7/07 | TM9104DE00                                 |
| MERCK MILLIPORE        | 1068427              | TM9239WO00                                 |
| MERCK-ELEMENTE 12      | 1065019              | TM9256WO00                                 |
| MERCK-ELEMENTE 13      | 1065067              | TM9257WO00                                 |
| MERCK-ELEMENTE 14      | 1065068              | TM9258WO00                                 |
| MERCK MILLIPORE-LOGO 1 | 1064643              | TM9245WO00                                 |
| MERCK MILLIPORE-LOGO 2 | 1065064              | TM9246WO00                                 |
| MERCK-ELEMENTE 11      | 1065066              | TM9255WO00                                 |
| EMD-MILLIPORE          | 30 2010 011 347.2/05 | TM9067DE00                                 |
| EMDMILLIPORE           | 30 2010 011 348.0/05 | TM9069DE00                                 |
| MERCK MILLIPORE        | 30 2010 060 471.9/05 | TM9239DE00                                 |
| EMD MILLIPORE          | 30 2010 060 472.7/05 | TM9240DE00                                 |
| MERCK MILLIPORE-LOGO 1 | 30 2010 061 170.7/01 | TM9245DE00                                 |
| MERCK MILLIPORE-LOGO 2 | 30 2010 061 172.3/01 | TM9246DE00                                 |
| MERCK MILLIPORE-LOGO 3 | 30 2010 061 175.8/01 | TM9247DE00                                 |
| MERCK MILLIPORE-LOGO 4 | 30 2010 061 177.4/01 | TM9248DE00                                 |
| MERCK MILLIPORE-LOGO 5 | 30 2010 061 179.0/01 | TM9249DE00                                 |
| EMD MILLIPORE-LOGO 1   | 30 2010 061 171.5/01 | TM9250DE00                                 |
| EMD MILLIPORE-LOGO 2   | 30 2010 061 173.1/01 | TM9251DE00                                 |
| EMD MILLIPORE-LOGO 3   | 30 2010 061 176.6/01 | TM9252DE00                                 |
| EMD MILLIPORE-LOGO 4   | 30 2010 061 178.2/01 | TM9253DE00                                 |
| EMD MILLIPORE-LOGO 5   | 30 2010 061 180.4/01 | TM9254DE00                                 |
| MERCK-ELEMENTE 11      | 30 2010 061 181.2/01 | TM9255DE00                                 |
| MERCK-ELEMENTE 12      | 30 2010 061 182.0/01 | TM9256DE00                                 |
| MERCK-ELEMENTE 13      | 30 2010 061 183.9/01 | TM9257DE00                                 |
| MERCK-ELEMENTE 14      | 30 2010 061 184.7/01 | TM9258DE00                                 |

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

## II. Domains

|                                    |                                           |                                     |
|------------------------------------|-------------------------------------------|-------------------------------------|
| merckindiapharma.com               | vernakalant.de                            | merckserono-deutschland.de          |
| merckseronocmc.com                 | emdserono.de                              | merck-serono-deutschland.de         |
| merono-biopharma.com               | emd-serono.de                             | merck-team.de                       |
| merono-pharma.com                  | emdcropbioscience.de                      | rheuma-partner.de                   |
| merono-corporation.com             | merck-customercentric-technologydriven.de | xn--antikrpertherapiepartner-poc.de |
| mggroup.com                        | emdserono-biopharmaceuticals.de           | xn--gynkologiepartner-sqb.de        |
| merck-family-foundation.com        | emdseronobiopharmaceuticals.de            | zns-partner.de                      |
| merck-stadion-am-boellenfalltor.de | merckseronobiopharmaceuticals.de          | znspartner.de                       |
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| merck-millipore.net                 | merserono.com                 | curious-18.com                        |
| merckmillipore.net                  | merck-kpi.com                 | futureinsightconference.com           |
| emdmillipore.net                    | merckvivera.com               | future-insight-conference.com         |
| emd-millipore.net                   | emd-pharmaceuticals.com       | curiousfuture.com                     |
| milliporemerck.net                  | personalizedteam.com          | curious-future.com                    |
| millipore-merck.net                 | m-group.com                   | curiousfutureinsightconference.com    |
| merckdrugdelivery.net               | merckbiopharma.com            | curious-future-insight-conference.com |
| merckmanuals.net                    | merck-ventures.com            | curious-19.com                        |
| merck-manuals.net                   | merckbox.com                  | curious19.com                         |
| merck-manual.net                    | merckiran.com                 | curious-20.com                        |
| premioletterariomerckserono.org     | m-s-ventures.net              | curious20.com                         |
| psdi2014.org                        | m-s-venture.net               | curious-21.com                        |
| mercklab.org                        | ms-venture.net                | curious21.com                         |
| merckmillipore.org                  | msventure.net                 | curious-22.com                        |
| merck-millipore.org                 | ms-ventures.net               | curious22.com                         |
| milliporemerck.org                  | merck-eprova.net              | curious-23.com                        |
| millipore-merck.org                 | merckeprova.net               | curious23.com                         |
| emdmillipore.org                    | merck-pharma.net              | curious-24.com                        |
| emd-millipore.org                   | fondazione-serono.net         | grandinnovatorprize.com               |
| merckdrugdelivery.org               | emdsharedservices.net         | grand-innovator-prize.com             |
| merckmanuals.org                    | merck-farma.net               | greatinnovatorprize.com               |
| merck-manuals.org                   | merckworldwide.net            | great-innovator-prize.com             |
| merckmanual.org                     | merckpharmaceuticals.net      | futureinsightprize.com                |
| merck-manual.org                    | merckeuropa.net               | future-insight-prize.com              |
| ms-venture.com                      | xn--fiqu9egd10w2n8e7yn77m.net | curious-18.net                        |
| m-s-venture.com                     | m-ventures.net                | curious18.net                         |
| m-s-ventures.com                    | merck-eprova.org              | futureinsightconference.net           |
| merckge.com                         | ms-venture.org                | future-insight-conference.net         |
| corporate-compliance-network.com    | ms-v.org                      | curiousfuture.net                     |
| corporate-compliance-office.com     | ms-ventures.org               | curious-future.net                    |
| merckchimie-communications.com      | msventures.org                | curiousfutureinsightconference.net    |
| merck-pps.com                       | msventure.org                 | curious-future-insight-conference.net |
| mercknet.com                        | m-s-venture.org               | curious-19.net                        |
| emdlexigen.com                      | m-s-ventures.org              | curious19.net                         |
| merck-manuals.com                   | merckeprova.org               | curious-20.net                        |
| merck-generics.com                  | fondazione-serono.org         | curious20.net                         |

**Annex 4.4.a****Shared IP Trademarks and Brands Healthcare**

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

curious-21.net  
 curious21.net  
 curious-22.net  
 curious-23.net  
 curious22.net  
 curious23.net  
 curious-24.net  
 curious24.net  
 grandinnovatorprize.net  
 grand-innovator-prize.net  
 greatinnovatorprize.net  
 great-innovator-prize.net  
 futureinsightprize.net  
 future-insight-prize.net  
 curious-18.org  
 curious18.org  
 futureinsightconference.org  
 future-insight-conference.org  
 curiousfuture.org  
 curious-future.org  
 curiousfutureinsightconference.org  
 curious-future-insight-conference.org  
 curious-19.org  
 curious19.org  
 curious-20.org  
 curious20.org  
 curious-21.org  
 curious21.org  
 curious-22.org  
 curious22.org  
 curious-23.org

curious23.org  
 curious-24.org  
 curious24.org  
 grandinnovatorprize.org  
 grand-innovator-prize.org  
 greatinnovatorprize.org  
 great-innovator-prize.org  
 futureinsightprize.org  
 future-insight-prize.org  
 curious18.com  
 fundacionmercksalud.com  
 curious2018.de  
 curious2018.com  
 curious2018.net  
 curious2018.org  
 curious-2018.de  
 curious-2018.com  
 curious-2018.net  
 curious-2018.org  
 curious-futureinsight.de  
 curious-futureinsight.com  
 curious-futureinsight.net  
 curious-futureinsight.org  
 makingschistory.com  
 emdseronoportal.com  
 testmerckgroup.com  
 merckserono-training.de  
 worldofnewwork.com  
 thefuturework.com  
 merckme.com  
 medimerk.com

medimerck.com  
 thefuturetransformation.de  
 thefuturetransformation.com  
 thefuturetransformation.net  
 thinkdigitaltank.de  
 thinkdigitaltank.com  
 thinkdigitaltank.net  
 merck-bewerbung.de  
 merckseronotraining.de  
 mercksgroup.com  
 merckgroup.com  
 merckgr0up.com  
 merckindiacrm.com  
 merckqgroup.com  
 merckglobalhealth.com  
 emdglobalhealth.com  
 merck-connect.de  
 atsfteam.com  
 email-merckgroup.com  
 performancematerials-merckgroup.com  
 mealibrary.com  
 merckventi.com  
 merckgenesis.com  
 benzonase.com  
 bangaloregenei.com  
 mapkinase.com  
 antibodyguarantee.com  
 bi-ron.com  
 lcmssolvents.com  
 optixifxdispenser.com  
 thedesiccant.com

The following Shared IP Trademark Rights belong to Merck KGaA, Darmstadt, Germany.

### III. Designs

| Country                                                                               | Identification number | Registration number |
|---------------------------------------------------------------------------------------|-----------------------|---------------------|
| European Union                                                                        | ALC-0369-2016         | WIPO52375           |
| European Union                                                                        | ALC-0370-2016         | WIPO52738           |
| European Union                                                                        | ALC-0808-2016         | 968312901           |
| Switzerland, Egypt, European Union, Morocco, Oman, Serbia, Singapore, Tunisia, Turkey | ALC-0868-2016         | 968530501           |

## **Annex 4.4.b**

### **Shared IP Patent Rights Healthcare**



| Case number according to internal database | Application numbers competent patent authorities                    |
|--------------------------------------------|---------------------------------------------------------------------|
| P 12/227                                   | 10-2015-7017290; 102143896; 13786629.9; 201380062392.8; 2015-544370 |
| P 13/237                                   | 14801935.9; 15/104,690; 2016-541563                                 |
| P 15/040                                   | 102015003472.3                                                      |
| P 15/160                                   | PCT/EP2016/001341                                                   |
| P 15/161                                   | PCT/EP2016/001339                                                   |
| P 15/162                                   | PCT/EP2016/001340                                                   |
| P 16/010                                   | 106102839; PCT/EP2017/000050                                        |
| P 16/062                                   | PCT/EP2017/059849                                                   |
| P 16/175                                   | PCT/EP2017/072551                                                   |
| P 16/282                                   | 106144703; 15/428,577; 15/843,696; 16205928.1; PCT/EP2017/083299    |
| P 16/283                                   | 106144704; 15/428,641; 15/838,774; 16205920.8; PCT/EP2017/083283    |
| P 17/034                                   | 17156321.6                                                          |
| P 17/035                                   | 17156324.0                                                          |
| P 17/036                                   | 17156326.5                                                          |
| P 17/037                                   | 17156327.3                                                          |
| P 17/038                                   | 17156329.9                                                          |
| P 17/039                                   | 17156331.5                                                          |
| P 17/180                                   | 1712006.4                                                           |
| P 17/217                                   | 62/556,090                                                          |
| P 17/218                                   | 62/556,083                                                          |
| P 17/267                                   | 17198633.4                                                          |
| P 17/327                                   | 17210179.2                                                          |
| I 16/286                                   | [not yet available]                                                 |
| I 17/014                                   | [not yet available]                                                 |
| I 17/175                                   | [not yet available]                                                 |
| I 17/286                                   | [not yet available]                                                 |
| I 17/337                                   | [not yet available]                                                 |
| I 17/338                                   | [not yet available]                                                 |

#### **Annex 4.4.d**

#### Shared IP Rights of Use Healthcare

**Asset number of the right of use according to accounting**

|         |         |         |         |
|---------|---------|---------|---------|
| 1037401 | 1077012 | 1048094 | 1060037 |
| 1065172 | 1065390 | 1079920 | 1054820 |
| 1040729 | 1048113 | 1060029 | 1045828 |
| 1071209 | 1053983 | 1072512 | 1058165 |
| 1048129 | 1052571 | 1063211 | 1060031 |
| 1051240 | 1035780 | 1060033 | 1051427 |
| 1061058 | 1060049 | 1042628 | 1059840 |
| 1062805 | 1049507 | 1065155 | 1079915 |
| 1062793 | 1060042 | 1048102 | 1062952 |
| 1082518 | 1074493 | 1046297 | 1060044 |
| 1057526 | 1082560 | 1079610 | 1052114 |
| 1061138 | 1049505 | 1048145 | 1046666 |
| 1074884 | 1044117 | 1053984 | 1060023 |
| 1076104 | 1071435 | 1086947 | 1049506 |
| 1062787 | 1048127 | 1060056 | 1079913 |
| 1074480 | 1077249 | 1048146 | 1046298 |
| 1041651 | 1051100 | 1060028 | 1056987 |
| 1048853 | 1077050 | 1063057 | 1058932 |
| 1047825 | 1053776 | 1046294 | 1066524 |
| 1075106 | 1048477 | 1051141 | 1049545 |
| 1066738 | 1063998 | 1048112 | 1046296 |
| 1059135 | 1048181 | 1060045 | 1050765 |
| 1042913 | 1048143 | 1052259 | 1045825 |
| 1035779 | 1046301 | 1062687 | 1079914 |
| 1040985 | 1042969 | 1072513 | 1072197 |
| 1064444 | 1072487 | 1069592 | 1048122 |
| 1072347 | 1074307 | 1076907 | 1060060 |
| 1051361 | 1048082 | 1063233 | 1060061 |
| 1062120 | 1084249 | 1047895 | 1060062 |
| 1070824 | 1048170 | 1084246 | 1060063 |
| 1054131 | 1046295 | 1048135 | 1060064 |
| 1049494 | 1063823 | 1060603 | 1060065 |
| 1035782 | 1060046 | 1072192 | 1060066 |
| 1062215 | 1059974 | 1084245 | 1060067 |
| 1064974 | 1042914 | 1079919 | 1060068 |
| 1051097 | 1044116 | 1042636 | 1060069 |
| 1049600 | 1077619 | 1054460 | 1060070 |
| 1069044 | 1071906 | 1044128 | 1060071 |
| 1075039 | 1084242 | 1051052 | 1060072 |
| 1036589 | 1084248 | 1065040 | 1060073 |
| 1076977 | 1060047 | 1051777 | 1060074 |
| 1058548 | 1035781 | 1048850 | 1060075 |
| 1076073 | 1052510 | 1060034 | 1051164 |
| 1076685 | 1044114 | 1053875 | 1049455 |
| 1070822 | 1046669 | 1077599 |         |
| 1062804 | 1060025 | 1065870 |         |
| 1060051 | 1043006 | 1060030 |         |
| 1072238 | 1084250 | 1084240 |         |
| 1046668 | 1077028 | 1074816 |         |
| 1055251 | 1074187 | 1060043 |         |
| 1074308 | 1075042 | 1084241 |         |
| 1068250 | 1084247 | 1079918 |         |

## **Annex 6.1**

### Tangible Assets Healthcare

## Asset number of the tangible asset according to accounting

|         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 784830  | 1055386 | 1002119 | 1075259 | 1010154 | 2047902 | 799001  | 791840  | 1085766 | 1051460 |
| 784828  | 1004480 | 1002120 | 1068155 | 1077684 | 1070813 | 1067273 | 1023284 | 1042045 | 1010068 |
| 1040460 | 1019044 | 1002121 | 1036833 | 369491  | 804445  | 1061672 | 1088030 | 1080954 | 1048222 |
| 1020252 | 733676  | 1002122 | 1013397 | 1010195 | 1064930 | 1036832 | 1047295 | 1064428 | 1044764 |
| 1060700 | 787496  | 1002123 | 1014345 | 1057191 | 1058257 | 1036837 | 1088032 | 1032023 | 1046340 |
| 1047101 | 1010377 | 1002124 | 1082775 | 1075710 | 790395  | 1036329 | 1029449 | 1088029 | 1051971 |
| 1041713 | 1010378 | 1002125 | 1068137 | 2050098 | 2049132 | 1052267 | 1022960 | 1016578 | 1068167 |
| 2047937 | 1087259 | 1037692 | 1086499 | 805048  | 1013396 | 806095  | 1061658 | 1009452 | 1070370 |
| 1065770 | 1040338 | 1029588 | 1074571 | 1088248 | 1035635 | 1025738 | 754430  | 1070488 | 2051605 |
| 1069483 | 1019017 | 1053992 | 2047889 | 1079144 | 1040537 | 1060177 | 739610  | 2051392 | 1051377 |
| 2047887 | 1074625 | 784776  | 784835  | 1022453 | 1044671 | 1075031 | 1075033 | 1055427 | 1050560 |
| 2047893 | 1085808 | 1042718 | 1029455 | 1084816 | 1050183 | 1073917 | 1043426 | 1085764 | 1042419 |
| 782231  | 781138  | 1048223 | 1082486 | 1075711 | 2047921 | 1085788 | 1061635 | 1029450 | 2045395 |
| 1013395 | 1062372 | 1024157 | 1036822 | 1018930 | 1068209 | 1049555 | 1062402 | 1088025 | 1055096 |
| 782233  | 1070489 | 1070551 | 1072693 | 1029799 | 1070834 | 1071066 | 778246  | 1088026 | 1066478 |
| 1002107 | 785412  | 1070552 | 784826  | 1050078 | 1002452 | 1069168 | 1079136 | 1084810 | 1058138 |
| 1046466 | 1059971 | 1088010 | 1080953 | 754649  | 2047935 | 1071897 | 1055316 | 1074173 | 773521  |
| 1014281 | 804828  | 1072184 | 1060279 | 1049561 | 1000689 | 1079158 | 1082301 | 1050441 | 1082772 |
| 358402  | 1084244 | 1023569 | 1050187 | 1068654 | 1073212 | 1073916 | 1008030 | 1042338 | 1037685 |
| 1023285 | 1030167 | 1032047 | 1082045 | 1070744 | 1070351 | 1025373 | 1024451 | 1061870 | 2047941 |
| 1088000 | 1016295 | 755013  | 1069129 | 1069591 | 1057285 | 1061648 | 2045385 | 369510  | 1060237 |
| 2051895 | 2048963 | 1065184 | 1014373 | 784820  | 1042333 | 1065002 | 2051271 | 1077782 | 1082457 |
| 1060278 | 1014369 | 784811  | 1044435 | 1060618 | 1085789 | 1040533 | 1043431 | 785679  | 1042248 |
| 1020479 | 1016288 | 784778  | 1036838 | 2050752 | 369499  | 1057286 | 1024156 | 369493  | 1060236 |
| 784823  | 2047899 | 1049560 | 2047932 | 1049563 | 2045383 | 1041091 | 1019219 | 380987  | 1082449 |
| 2045527 | 2050739 | 1058134 | 1040383 | 1064292 | 1043676 | 1042362 | 1019220 | 1076626 | 1025750 |
| 2048718 | 1042758 | 1070837 | 1059734 | 1035136 | 773524  | 1042363 | 2047940 | 1063446 | 779692  |
| 1006487 | 1040464 | 1031779 | 1040536 | 802817  | 1049562 | 1037799 | 1049553 | 1042417 | 1025377 |
| 782234  | 1040465 | 2045386 | 2047948 | 1036827 | 1065177 | 784807  | 1065270 | 1079265 | 1057245 |
| 1065030 | 1002453 | 1071711 | 1076648 | 2049046 | 1036039 | 1064927 | 1007684 | 2051302 | 2049012 |
| 1088053 | 754968  | 1052820 | 2050967 | 1043733 | 802585  | 806097  | 1036639 | 1016161 | 1073366 |
| 778245  | 2045382 | 1047251 | 1082458 | 744125  | 732252  | 1044837 | 1079264 | 1088125 | 1060238 |
| 1054580 | 1005165 | 806102  | 1046671 | 1057281 | 1064236 | 1023196 | 1065555 | 1069481 | 796752  |
| 1064417 | 754967  | 1062951 | 1047249 | 1070990 | 1088100 | 805999  | 1057252 | 1018959 | 1085810 |
| 1075708 | 369503  | 1055426 | 1082046 | 1044820 | 799518  | 1052305 | 1057253 | 1040753 | 1025392 |
| 1008031 | 1037039 | 1079100 | 1082047 | 1069146 | 1024148 | 1065751 | 1047304 | 2049116 | 1009532 |
| 1008032 | 1023466 | 2047895 | 1072432 | 1077781 | 1019010 | 1050041 | 141055  | 1029378 | 1044437 |
| 1040541 | 1019047 | 784825  | 1051483 | 1061856 | 367564  | 1070265 | 1082312 | 765483  | 1051981 |
| 1061941 | 1037032 | 764491  | 805164  | 1013386 | 1055441 | 1031780 | 384116  | 1057200 | 1036378 |
| 778240  | 1002450 | 1079153 | 1063845 | 1010060 | 1058146 | 1064928 | 1040763 | 1084813 | 1088055 |
| 1075030 | 1014324 | 1040467 | 1079141 | 1084724 | 2051603 | 1029275 | 1070262 | 1084814 | 1070978 |
| 1006488 | 775544  | 782237  | 1019042 | 749498  | 1074010 | 1065556 | 1029364 | 369511  | 1064454 |
| 2046963 | 1088275 | 1076547 | 1057179 | 1042389 | 1070261 | 1068127 | 1036824 | 754904  | 1064240 |
| 782235  | 1037035 | 1054085 | 1046934 | 2048725 | 1076622 | 1030062 | 1079099 | 2051909 | 1044745 |
| 1030439 | 2049512 | 1002100 | 265496  | 1074176 | 1065550 | 1036826 | 1044438 | 1005260 | 1048583 |
| 1057280 | 1079150 | 1002101 | 805165  | 1070993 | 1061871 | 1066177 | 1054139 | 2049118 | 1022961 |
| 2047901 | 1018931 | 1074558 | 2047925 | 367565  | 1063817 | 1006258 | 1048593 | 1042339 | 1043299 |
| 1044041 | 1068655 | 1085772 | 1076429 | 1064239 | 1069479 | 1050141 | 1064453 | 1020633 | 1084923 |
| 1043058 | 1064929 | 1036828 | 1054032 | 1023287 | 1076627 | 2048726 | 2049120 | 1030068 | 749937  |
| 782238  | 2049244 | 1088044 | 1024197 | 1062924 | 1002455 | 1010103 | 1085765 | 1050927 | 1051531 |
| 381669  | 1072694 | 1055420 | 1050440 | 1076952 | 266351  | 1044036 | 1083442 | 1055440 | 1050837 |
| 1050876 | 1042847 | 1013312 | 784806  | 1050163 | 1047281 | 1043324 | 782232  | 2046964 | 1020555 |
| 778251  | 1019045 | 1003503 | 1018952 | 745811  | 1061673 | 1065750 | 1017057 | 1050042 | 1065498 |
| 1009379 | 1025388 | 1068128 | 2048968 | 1037109 | 1003916 | 1010054 | 790528  | 1080938 | 2047906 |
| 733684  | 1060174 | 1077761 | 1064243 | 2049051 | 1036334 | 1044039 | 1047282 | 1062902 | 1058562 |
| 1035866 | 758175  | 1031278 | 1040552 | 1068672 | 1061631 | 1065190 | 1017620 | 806732  | 285038  |
| 2047903 | 803278  | 1083443 | 1064452 | 1075254 | 1059739 | 1008944 | 1001575 | 1067222 | 1076621 |
| 1076551 | 784821  | 1042719 | 1042334 | 1057282 | 1055396 | 1048546 | 800022  | 1042031 | 1049552 |
| 1040466 | 1079139 | 1040750 | 1019052 | 1063099 | 1067283 | 1069484 | 1035134 | 1042032 | 1087538 |
| 1076623 | 784827  | 1087258 | 1053896 | 1057138 | 1036328 | 1047250 | 1054463 | 1040751 | 1087712 |
| 784819  | 2047891 | 1048551 | 1008028 | 1057231 | 1036333 | 1077745 | 1061401 | 1055425 | 1058149 |
| 1007181 | 2047897 | 1065782 | 1044476 | 1042359 | 1018989 | 1084812 | 1050951 | 2048337 | 1075683 |
| 1019043 | 2050547 | 1058255 | 803796  | 2050583 | 1010083 | 1063904 | 1044836 | 1066299 | 1014388 |
| 2048955 | 1061854 | 2047929 | 1060175 | 1023286 | 1075032 | 1071068 | 1075575 | 1044770 | 1071874 |
| 1013321 | 784808  | 1072696 | 2047939 | 1065181 | 1057283 | 2049392 | 1064241 | 1009534 | 1055103 |
| 1002456 | 1002116 | 1008033 | 1088054 | 1077783 | 1057284 | 2051896 | 1020257 | 1059742 | 1055444 |
| 1031778 | 1002117 | 1029177 | 1040543 | 755035  | 1062949 | 1069478 | 1060208 | 1006262 | 1084811 |
| 1079218 | 1002118 | 797886  | 1076790 | 779573  | 1062950 | 2051034 | 1075545 | 1029699 | 779586  |

**Annex 6.1**  
Tangible Assets Healthcare

|         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1065859 | 380993  | 1070924 | 1086314 | 1088124 | 1031998 | 1002104 | 2047920 | 1047257 | 1061653 |
| 1058259 | 1052004 | 1002252 | 2045388 | 805115  | 739611  | 1002105 | 1075519 | 1071076 | 806485  |
| 1017361 | 1009404 | 1082418 | 1010095 | 2048966 | 765470  | 1072417 | 1084941 | 1074547 | 765445  |
| 1017362 | 1055442 | 1060188 | 765481  | 1043651 | 1075028 | 804067  | 1074672 | 1023470 | 1057229 |
| 1068164 | 791359  | 2051839 | 1036770 | 1082395 | 1044043 | 369496  | 1074220 | 1082450 | 1043253 |
| 1000079 | 1023468 | 1050164 | 1082048 | 1057202 | 1079104 | 1043300 | 1083544 | 1013405 | 1043250 |
| 750857  | 1060935 | 1079137 | 1082049 | 1051473 | 1065808 | 784804  | 1060267 | 1008962 | 2047936 |
| 787173  | 738866  | 1079295 | 1082460 | 1044814 | 1048548 | 1043670 | 1068228 | 1043603 | 1018515 |
| 742348  | 1077739 | 1069151 | 1029608 | 1048582 | 1068129 | 1018575 | 1066483 | 1014325 | 1063846 |
| 787177  | 1023795 | 1047292 | 1048515 | 358434  | 1084906 | 1008959 | 1053934 | 369535  | 801851  |
| 1050104 | 1064533 | 1075261 | 765443  | 1029621 | 1017979 | 1050185 | 765482  | 1047314 | 1029751 |
| 1069163 | 1043663 | 1076665 | 374124  | 780225  | 1006639 | 1044821 | 2045384 | 369486  | 1071859 |
| 784833  | 1051534 | 1062925 | 1043744 | 1007168 | 1043668 | 765478  | 369485  | 1075052 | 1051996 |
| 1076548 | 1051535 | 1040393 | 1050145 | 1035154 | 765488  | 765480  | 1085823 | 1000032 | 1036613 |
| 1057287 | 2051980 | 1029702 | 802823  | 2050898 | 1056896 | 1014404 | 1014398 | 1029374 | 1001648 |
| 1009427 | 1057173 | 1085822 | 1052002 | 1058132 | 1043669 | 1066470 | 1042242 | 1046328 | 1046356 |
| 187325  | 1046350 | 1002243 | 1082050 | 1077778 | 1059260 | 1048571 | 1050140 | 1017609 | 753863  |
| 1057247 | 1088120 | 1051482 | 1043602 | 1087713 | 1001568 | 733630  | 1075684 | 1046349 | 1020554 |
| 1065178 | 1082387 | 805876  | 1067200 | 1044881 | 1013398 | 804986  | 1069486 | 1036766 | 1082405 |
| 2047942 | 1025749 | 1009441 | 1060225 | 765462  | 1082313 | 796274  | 1000248 | 1036748 | 1060258 |
| 1064242 | 1061242 | 1087534 | 1062398 | 778383  | 1024422 | 1070303 | 1071067 | 1036749 | 1048818 |
| 765466  | 1040339 | 1065562 | 358423  | 1008029 | 1001539 | 357646  | 1068231 | 1043730 | 1009453 |
| 796546  | 1087707 | 1043996 | 1044880 | 1052001 | 1058364 | 1016137 | 746162  | 1068233 | 1029460 |
| 2045393 | 1016160 | 1036332 | 1057248 | 1050088 | 731821  | 1016276 | 1023197 | 1057251 | 1063822 |
| 1070340 | 1046327 | 1072405 | 1043675 | 1070347 | 1050422 | 2051800 | 1023198 | 796800  | 765420  |
| 1079157 | 1017997 | 1079156 | 1018155 | 1037033 | 1062946 | 1009531 | 2048338 | 787040  | 1070397 |
| 1077742 | 1041707 | 767848  | 1080947 | 1029422 | 803281  | 739607  | 705988  | 801865  | 1077736 |
| 1044362 | 1058137 | 1062926 | 1025747 | 1080312 | 782236  | 739606  | 388947  | 1074633 | 742347  |
| 2051547 | 1050436 | 1001521 | 1048778 | 1070339 | 1050603 | 765444  | 1050050 | 1074634 | 1020553 |
| 1001574 | 1048521 | 1014422 | 1043747 | 1013639 | 1053930 | 1059859 | 1060910 | 1068224 | 1076624 |
| 1018867 | 1042030 | 1057222 | 367569  | 765487  | 735345  | 1087997 | 1030070 | 1082440 | 797219  |
| 1020915 | 1025865 | 2047904 | 1047283 | 765396  | 1065809 | 1019051 | 1030071 | 1001631 | 1043981 |
| 1029457 | 1060171 | 1003502 | 1065749 | 1070955 | 754008  | 1047261 | 1049557 | 742351  | 798692  |
| 1088113 | 1014390 | 1051458 | 403257  | 1048819 | 1048777 | 1044844 | 2047579 | 1036621 | 801344  |
| 2051309 | 1020643 | 1087993 | 1077777 | 2051604 | 1080986 | 1069137 | 1072178 | 1029373 | 1016575 |
| 1051973 | 1040528 | 1040554 | 1001541 | 1055447 | 1024421 | 2049117 | 1072179 | 1036840 | 1018198 |
| 2050015 | 1042720 | 1082030 | 1043289 | 1063305 | 1018574 | 2049119 | 1017374 | 788965  | 1040629 |
| 1016806 | 2048465 | 1065863 | 1061632 | 801347  | 791066  | 2049121 | 1060247 | 1043796 | 1071025 |
| 745207  | 803293  | 1072697 | 1053883 | 1023469 | 1030168 | 1018922 | 1029798 | 1018517 | 1085802 |
| 1020253 | 1079138 | 1082406 | 1052018 | 1059092 | 765397  | 1069148 | 1055443 | 1044365 | 1001596 |
| 1034438 | 1075685 | 1061943 | 1050924 | 1063444 | 787172  | 1069149 | 1074550 | 805147  | 1060223 |
| 1020641 | 1075686 | 1070947 | 782723  | 1013426 | 1074639 | 1060945 | 1055905 | 1068229 | 1070331 |
| 1053902 | 1060620 | 1048598 | 732493  | 1082413 | 1065545 | 802908  | 1037514 | 1016209 | 1074182 |
| 358399  | 1087708 | 1086483 | 1048549 | 1044746 | 1087728 | 1042761 | 782227  | 1051382 | 1030066 |
| 735152  | 2045028 | 1020646 | 765464  | 1071050 | 1075229 | 1051457 | 1048623 | 2051297 | 1035160 |
| 1058258 | 1016140 | 1043705 | 1005491 | 1071051 | 1075269 | 742273  | 1048570 | 1018518 | 1052005 |
| 1079458 | 2051857 | 1069150 | 1055315 | 2045391 | 1043606 | 2050167 | 1087542 | 1009527 | 1051514 |
| 1051491 | 358415  | 1029176 | 1072436 | 1080310 | 1066300 | 1017100 | 1068234 | 1065549 | 388859  |
| 1080985 | 1047294 | 1050144 | 1009451 | 1025748 | 791710  | 1025224 | 1048560 | 302142  | 1087733 |
| 2051296 | 1069480 | 1070277 | 1079481 | 1057067 | 1056873 | 1058990 | 1071021 | 765442  | 1040775 |
| 1082459 | 1075255 | 1051360 | 1050909 | 1040647 | 1043755 | 1050165 | 1043597 | 1044468 | 1044019 |
| 2050168 | 1054781 | 1003926 | 1050942 | 1030240 | 1044042 | 759312  | 1071024 | 1017099 | 1071026 |
| 1070851 | 803294  | 1047306 | 1044677 | 1030241 | 1082056 | 1060235 | 1084429 | 1068232 | 1087711 |
| 2049476 | 1018956 | 1051513 | 765479  | 745807  | 1053993 | 1050188 | 1068223 | 281836  | 1047370 |
| 1018050 | 1084722 | 746994  | 1043674 | 1080948 | 1016213 | 1058566 | 1024418 | 1052355 | 1048816 |
| 1070480 | 1071044 | 1082327 | 1082448 | 1050073 | 1081244 | 1059021 | 1046357 | 734984  | 1074572 |
| 1079151 | 1003928 | 1075833 | 1066486 | 1067276 | 1081243 | 765463  | 1087709 | 1065861 | 765448  |
| 1059924 | 1036761 | 1051501 | 1079155 | 1048597 | 1020544 | 1043656 | 1087710 | 373273  | 1016224 |
| 1025598 | 1082441 | 1066480 | 1065546 | 1064427 | 1061108 | 1037099 | 1040077 | 1048205 | 749781  |
| 91093   | 1087241 | 1047293 | 1029379 | 1082314 | 765471  | 1055437 | 1003565 | 1048624 | 1070301 |
| 1019016 | 1042760 | 1085806 | 1050844 | 1003564 | 1082032 | 739848  | 1062927 | 1018957 | 1010157 |
| 1020640 | 1063447 | 1075776 | 785623  | 1044409 | 1002458 | 369494  | 765461  | 1018958 | 223761  |
| 1059036 | 801348  | 1066482 | 2049585 | 1048442 | 1052292 | 1048203 | 765465  | 1042340 | 1074561 |
| 1006259 | 1048608 | 1053929 | 1048667 | 2047905 | 1043724 | 1048520 | 1001537 | 1084725 | 358382  |
| 1088122 | 188955  | 1020258 | 1048547 | 1048469 | 1009410 | 1050615 | 1030067 | 1084726 | 1087731 |
| 1062403 | 1043734 | 1087991 | 1062930 | 755010  | 765421  | 1018912 | 1057279 | 1076954 | 1051453 |
| 1065836 | 797578  | 1087992 | 1048817 | 1020660 | 1079761 | 1071052 | 777110  | 310729  | 806729  |
| 1052301 | 1070348 | 1019221 | 1064235 | 1024358 | 1079762 | 1048441 | 1063312 | 1023881 | 1061106 |
| 1075535 | 1040469 | 1065529 | 1047309 | 1060190 | 1016576 | 1029178 | 1048439 | 1058254 | 1008960 |
| 2051669 | 2052121 | 1048622 | 1074554 | 1014353 | 1061607 | 1073915 | 1048440 | 1043519 | 1018516 |
| 749887  | 796075  | 1042759 | 1074555 | 1048738 | 1002103 | 1010312 | 802563  | 2048310 | 1061056 |

|         |
|---------|
| 1051456 |
| 1051459 |
| 1040470 |
| 2051321 |
| 1058144 |
| 1062397 |

## **Annex 7.2**

### Receivables and financial assets Healthcare



**I. Trade accounts receivable Healthcare from affiliated companies**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002022      | 31.12.2017   | 85.897,378,00                                                                          |
| 5000002398      | 31.12.2017   | 2.691.049,00                                                                           |
| 5000002400      | 31.12.2017   | 1.869.798,19                                                                           |
| 5000002402      | 31.12.2017   | 1.869.798,19                                                                           |
| 5000002508      | 31.12.2017   | 1.155.599,92                                                                           |
| 5000002484      | 31.12.2017   | 826.889,85                                                                             |
| 2300003637      | 31.12.2017   | 618.260,85                                                                             |
| 5000002001      | 31.12.2017   | 577.363,71                                                                             |
| 5000002400      | 31.12.2017   | 481.614,68                                                                             |
| 5000002400      | 31.12.2017   | 481.614,68                                                                             |
| 5000002402      | 31.12.2017   | 481.614,68                                                                             |
| 5000002402      | 31.12.2017   | 481.614,68                                                                             |
| 5000001995      | 31.12.2017   | 349.000,00                                                                             |
| 5200008710      | 31.08.2003   | 316.689,23                                                                             |
| 5200005514      | 31.05.2003   | -280.773,29                                                                            |
| 5000001995      | 31.12.2017   | 255.675,84                                                                             |
| 5000001995      | 31.12.2017   | 240.048,23                                                                             |
| 5200004244      | 31.03.2004   | 234.895,23                                                                             |
| 5000002022      | 31.12.2017   | 211.717,00                                                                             |
| 5200001218      | 31.01.2003   | -197.612,08                                                                            |
| 5200012958      | 30.11.2003   | -187.947,39                                                                            |
| 5200011529      | 30.09.2002   | -167.603,59                                                                            |
| 6000142699      | 16.07.2003   | 163.505,75                                                                             |
| 5200005547      | 30.04.2004   | -162.027,90                                                                            |
| 5200004452      | 30.04.2003   | -154.670,97                                                                            |
| 5200014010      | 31.12.2003   | -149.617,68                                                                            |
| 6000120311      | 23.06.2003   | 141.882,78                                                                             |
| 5200001263      | 31.01.2004   | 141.147,99                                                                             |
| 6000163104      | 18.08.2003   | 136.888,25                                                                             |
| 4500001217      | 17.02.2003   | 135.848,49                                                                             |
| 2600000391      | 16.06.2003   | 128.128,65                                                                             |
| 5200002930      | 29.02.2004   | -121.467,83                                                                            |
| 5200014527      | 31.12.2002   | -115.458,27                                                                            |
| 5000001609      | 25.10.2017   | 110.718,22                                                                             |
| 6000011111      | 15.01.2004   | 109.023,35                                                                             |
| 5200000833      | 31.01.2005   | 101.850,38                                                                             |
| 5200004243      | 31.03.2004   | 100.594,25                                                                             |
| 5200012684      | 31.12.2004   | -97.544,41                                                                             |
| 5200005500      | 31.05.2003   | -91.432,35                                                                             |
| 6000207008      | 15.10.2003   | -90.634,79                                                                             |
| 5200010483      | 30.09.2004   | -89.584,09                                                                             |
| 5200011528      | 31.10.2003   | 89.157,99                                                                              |
| 5200003413      | 31.03.2003   | -88.412,41                                                                             |
| 5200003357      | 30.04.2005   | 87.930,50                                                                              |
| 2600030903      | 09.05.2005   | -87.814,03                                                                             |
| 5000000870      | 30.06.2002   | 84.587,03                                                                              |
| 5000000873      | 30.06.2002   | -84.587,03                                                                             |
| 6000228485      | 17.11.2003   | -80.592,33                                                                             |
| 5200005548      | 30.04.2004   | -80.112,87                                                                             |
| 5200006538      | 30.06.2003   | 75.303,44                                                                              |
| 2781997         | 01.09.1992   | 74.906,29                                                                              |
| 2781949         | 31.08.1992   | -74.906,29                                                                             |
| 5200007417      | 30.06.2002   | -73.375,75                                                                             |
| 5200000834      | 31.01.2005   | 71.045,29                                                                              |
| 5200010043      | 30.09.2003   | -70.160,78                                                                             |
| 6000185431      | 16.09.2003   | -70.047,08                                                                             |
| 6000150854      | 15.07.2004   | 68.274,52                                                                              |
| 6000076510      | 15.04.2003   | 67.904,46                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000245227      | 19.11.2002   | 66.370,66                                                                              |
| 2600000567      | 16.12.2002   | 65.698,66                                                                              |
| 6000078376      | 15.04.2004   | -62.830,89                                                                             |
| 2300003637      | 31.12.2017   | -61.826,08                                                                             |
| 2783460         | 01.10.1992   | 61.653,99                                                                              |
| 2783411         | 30.09.1992   | -61.653,99                                                                             |
| 5200010317      | 31.08.2002   | 61.297,46                                                                              |
| 2766264         | 01.01.1992   | 61.195,37                                                                              |
| 2766225         | 31.12.1991   | -61.195,37                                                                             |
| 2300003638      | 20.12.2017   | 60.236,00                                                                              |
| 5200004439      | 30.04.2003   | -59.869,02                                                                             |
| 6000214958      | 15.10.2002   | 59.559,63                                                                              |
| 5200033411      | 31.12.2015   | -59.374,15                                                                             |
| 5200005513      | 31.05.2003   | -58.775,05                                                                             |
| 6000012616      | 17.01.2005   | 58.532,03                                                                              |
| 5200001255      | 31.01.2003   | -57.515,89                                                                             |
| 5200032026      | 30.11.2016   | 57.472,18                                                                              |
| 2774620         | 01.07.1992   | 56.759,33                                                                              |
| 2774583         | 30.06.1992   | -56.759,33                                                                             |
| 5200007409      | 31.10.2008   | 56.584,52                                                                              |
| 6000052511      | 15.03.2004   | 56.555,65                                                                              |
| 6000008560      | 15.01.2003   | 55.657,36                                                                              |
| 2707772         | 03.04.1995   | 55.493,20                                                                              |
| 2707771         | 31.03.1995   | -55.493,20                                                                             |
| 5200006538      | 30.06.2003   | -54.876,37                                                                             |
| 5200001755      | 28.02.2005   | -54.195,08                                                                             |
| 6000144678      | 23.07.2003   | 54.024,55                                                                              |
| 5200017049      | 31.05.2017   | -50.866,65                                                                             |
| 5200001754      | 28.02.2005   | -50.644,87                                                                             |
| 2708580         | 02.05.1995   | 49.553,08                                                                              |
| 2708579         | 30.04.1995   | -49.553,08                                                                             |
| 6000097566      | 15.05.2003   | 48.700,12                                                                              |
| 5200006799      | 31.05.2004   | -46.847,73                                                                             |
| 5000002398      | 31.12.2017   | 46.608,00                                                                              |
| 5200023731      | 31.07.2017   | -46.319,82                                                                             |
| 6000056428      | 17.03.2003   | 46.072,91                                                                              |
| 2776002         | 01.08.1992   | 44.837,42                                                                              |
| 2775964         | 31.07.1992   | -44.837,42                                                                             |
| 5200008888      | 31.07.2004   | -44.639,92                                                                             |
| 6000227613      | 15.10.2004   | 44.457,44                                                                              |
| 2745849         | 03.11.1997   | 43.575,35                                                                              |
| 2745848         | 31.10.1997   | -43.575,35                                                                             |
| 6000251280      | 15.12.2003   | 42.216,63                                                                              |
| 5200005309      | 01.09.2001   | 41.552,52                                                                              |
| 5200005155      | 31.08.2001   | -41.552,52                                                                             |
| 5200014565      | 31.12.2002   | -40.597,95                                                                             |
| 5200028998      | 31.10.2016   | 40.436,47                                                                              |
| 2500003174      | 15.07.2002   | 40.327,29                                                                              |
| 5200007558      | 31.07.2003   | 40.268,73                                                                              |
| 6000080991      | 23.04.2003   | 39.494,97                                                                              |
| 2742374         | 31.07.1997   | 39.286,91                                                                              |
| 2742375         | 01.08.1997   | -39.286,91                                                                             |
| 5200009682      | 31.08.2004   | 38.776,62                                                                              |
| 5200020767      | 30.06.2017   | -37.303,32                                                                             |
| 5200012723      | 31.10.2002   | -37.035,87                                                                             |
| 5200013902      | 30.11.2002   | -36.370,47                                                                             |
| 2742286         | 31.07.1997   | 35.114,90                                                                              |
| 2742287         | 01.08.1997   | -35.114,90                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2700882         | 01.07.1994   | 34.682,37                                                                              |
| 2700881         | 30.06.1994   | -34.682,37                                                                             |
| 5200006754      | 31.05.2002   | -34.581,48                                                                             |
| 6000057473      | 24.03.2003   | 34.543,33                                                                              |
| 6000088940      | 15.04.2005   | 34.316,49                                                                              |
| 2701598         | 01.01.2001   | 34.079,71                                                                              |
| 2701597         | 31.12.2000   | -34.079,71                                                                             |
| 5200012827      | 30.04.2017   | -33.965,55                                                                             |
| 2786411         | 01.12.1992   | 33.937,58                                                                              |
| 2786371         | 30.11.1992   | -33.937,58                                                                             |
| 6000031251      | 16.02.2004   | 33.788,51                                                                              |
| 2500000378      | 21.04.2016   | 33.191,78                                                                              |
| 5200002081      | 31.01.2017   | -33.138,86                                                                             |
| 5200008030      | 30.06.2004   | 33.138,67                                                                              |
| 5200012685      | 31.12.2004   | -32.995,68                                                                             |
| 5200002321      | 28.02.2003   | 32.528,75                                                                              |
| 5200003574      | 31.05.2010   | 31.993,91                                                                              |
| 5200012187      | 30.11.2004   | -31.658,00                                                                             |
| 5200009382      | 31.07.2002   | 31.595,99                                                                              |
| 5000001035      | 31.07.2002   | -31.595,99                                                                             |
| 5200031350      | 30.11.2015   | 31.576,94                                                                              |
| 5200033410      | 31.12.2015   | -31.454,10                                                                             |
| 5200007880      | 31.03.2016   | -31.179,93                                                                             |
| 2767151         | 31.03.1999   | 31.058,69                                                                              |
| 2767152         | 01.04.1999   | -31.058,69                                                                             |
| 6000171744      | 15.08.2002   | 30.710,30                                                                              |
| 2743359         | 31.08.1997   | 30.684,48                                                                              |
| 2743360         | 01.09.1997   | -30.684,48                                                                             |
| 6000102539      | 17.05.2004   | -30.623,86                                                                             |
| 2706524         | 01.03.1995   | 30.546,17                                                                              |
| 2706523         | 28.02.1995   | -30.546,17                                                                             |
| 2736649         | 03.03.1997   | 30.208,58                                                                              |
| 2736648         | 28.02.1997   | -30.208,58                                                                             |
| 5200010484      | 30.09.2004   | -30.187,11                                                                             |
| 5200003399      | 31.03.2003   | -29.975,37                                                                             |
| 2736558         | 28.02.1997   | 29.894,60                                                                              |
| 2736559         | 03.03.1997   | -29.894,60                                                                             |
| 2764500         | 02.12.1991   | 28.550,02                                                                              |
| 2764463         | 30.11.1991   | -28.550,02                                                                             |
| 5200003356      | 30.04.2005   | 28.372,21                                                                              |
| 2737751         | 01.04.1997   | 28.117,37                                                                              |
| 2737750         | 31.03.1997   | -28.117,37                                                                             |
| 2744589         | 30.09.1997   | 27.548,28                                                                              |
| 2744590         | 01.10.1997   | -27.548,28                                                                             |
| 5000001995      | 31.12.2017   | 27.108,31                                                                              |
| 5200005499      | 31.05.2003   | -27.010,38                                                                             |
| 2738810         | 30.04.1997   | 26.898,29                                                                              |
| 2738811         | 02.05.1997   | -26.898,29                                                                             |
| 2761948         | 01.10.1991   | 26.839,06                                                                              |
| 2761903         | 30.09.1991   | -26.839,06                                                                             |
| 2743449         | 31.08.1997   | 26.728,44                                                                              |
| 2743450         | 01.09.1997   | -26.728,44                                                                             |
| 5200008536      | 31.12.2008   | -26.658,80                                                                             |
| 2737684         | 31.03.1997   | 26.484,45                                                                              |
| 2737685         | 01.04.1997   | -26.484,45                                                                             |
| 5200006526      | 30.06.2003   | -26.452,71                                                                             |
| 5200005299      | 01.09.2001   | 26.334,73                                                                              |
| 5200005145      | 31.08.2001   | -26.334,73                                                                             |
| 5200013879      | 31.05.2016   | 26.309,72                                                                              |
| 5200005964      | 31.08.2008   | 26.145,20                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000126224      | 19.06.2002   | 26.045,54                                                                              |
| 2732016         | 31.01.1997   | 25.414,19                                                                              |
| 2732017         | 03.02.1997   | -25.414,19                                                                             |
| 2741024         | 30.06.1997   | 25.401,05                                                                              |
| 2741025         | 01.07.1997   | -25.401,05                                                                             |
| 2736548         | 28.02.1997   | 25.145,00                                                                              |
| 2736549         | 03.03.1997   | -25.145,00                                                                             |
| 2709481         | 01.06.1995   | 25.121,78                                                                              |
| 2709480         | 31.05.1995   | -25.121,78                                                                             |
| 6000107068      | 24.05.2004   | -25.073,52                                                                             |
| 5200011305      | 31.10.2004   | 24.818,55                                                                              |
| 2700482         | 01.06.1994   | 24.781,97                                                                              |
| 2700481         | 31.05.1994   | -24.781,97                                                                             |
| 2784856         | 02.11.1992   | 24.741,79                                                                              |
| 2784813         | 31.10.1992   | -24.741,79                                                                             |
| 5200006133      | 30.09.2010   | -24.494,93                                                                             |
| 5200003965      | 29.02.2016   | -23.721,52                                                                             |
| 5200010088      | 30.09.2003   | -23.435,68                                                                             |
| 2703278         | 01.11.1994   | 23.416,70                                                                              |
| 2703277         | 31.10.1994   | -23.416,70                                                                             |
| 2739845         | 31.05.1997   | 23.386,57                                                                              |
| 2739846         | 02.06.1997   | -23.386,57                                                                             |
| 2744686         | 01.10.1997   | 23.217,99                                                                              |
| 2744685         | 30.09.1997   | -23.217,99                                                                             |
| 2749494         | 31.01.1998   | 23.191,44                                                                              |
| 2749495         | 02.02.1998   | -23.191,44                                                                             |
| 2767274         | 03.02.1992   | 23.155,99                                                                              |
| 2767237         | 31.01.1992   | -23.155,99                                                                             |
| 2731994         | 31.01.1997   | 23.103,11                                                                              |
| 2731995         | 03.02.1997   | -23.103,11                                                                             |
| 6000035706      | 21.02.2003   | 22.889,81                                                                              |
| 5200005543      | 30.04.2002   | -22.880,98                                                                             |
| 5200004872      | 31.07.2010   | -22.766,08                                                                             |
| 5200007444      | 30.06.2002   | -22.637,88                                                                             |
| 6000037935      | 15.02.2005   | -22.317,17                                                                             |
| 2773190         | 01.06.1992   | 22.182,89                                                                              |
| 2773152         | 31.05.1992   | -22.182,89                                                                             |
| 5200042043      | 31.12.2017   | 22.027,44                                                                              |
| 5200027563      | 31.08.2017   | -21.970,86                                                                             |
| 5200000820      | 31.01.2009   | 21.963,42                                                                              |
| 2736694         | 28.02.1997   | 21.741,41                                                                              |
| 2736695         | 03.03.1997   | -21.741,41                                                                             |
| 2701417         | 01.08.1994   | 21.686,20                                                                              |
| 2701416         | 31.07.1994   | -21.686,20                                                                             |
| 2724885         | 01.08.1996   | 21.648,34                                                                              |
| 2724884         | 31.07.1996   | -21.648,34                                                                             |
| 2738912         | 30.04.1997   | 21.278,29                                                                              |
| 2738913         | 02.05.1997   | -21.278,29                                                                             |
| 5200013998      | 31.12.2003   | -21.259,24                                                                             |
| 6000082545      | 22.04.2004   | -21.179,07                                                                             |
| 6000198734      | 17.09.2002   | -21.095,21                                                                             |
| 5200005559      | 31.05.2003   | -21.021,54                                                                             |
| 5200009124      | 31.07.2002   | 20.502,30                                                                              |
| 2743448         | 01.09.1997   | 20.482,06                                                                              |
| 2743447         | 31.08.1997   | -20.482,06                                                                             |
| 5200034050      | 31.12.2016   | 20.453,57                                                                              |
| 5200005919      | 01.10.2001   | 20.413,34                                                                              |
| 5200005760      | 30.09.2001   | -20.413,34                                                                             |
| 6000161902      | 02.08.2002   | 20.289,17                                                                              |
| 2763261         | 01.11.1991   | 20.281,40                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2763225         | 31.10.1991   | -20.281,40                                                                             |
| 2789978         | 02.05.1994   | 20.043,07                                                                              |
| 2789977         | 30.04.1994   | -20.043,07                                                                             |
| 2736650         | 28.02.1997   | 19.766,19                                                                              |
| 2736651         | 03.03.1997   | -19.766,19                                                                             |
| 2737752         | 31.03.1997   | 19.702,44                                                                              |
| 2737753         | 01.04.1997   | -19.702,44                                                                             |
| 5200004501      | 30.04.2003   | -19.578,32                                                                             |
| 2730895         | 02.01.1997   | 19.550,87                                                                              |
| 2730894         | 31.12.1996   | -19.550,87                                                                             |
| 2722551         | 31.05.1996   | 19.306,91                                                                              |
| 2722552         | 03.06.1996   | -19.306,91                                                                             |
| 5200006597      | 30.06.2003   | 19.218,07                                                                              |
| 5200014054      | 31.12.2003   | -19.176,31                                                                             |
| 5200006785      | 31.05.2002   | -19.151,56                                                                             |
| 2732131         | 03.02.1997   | 19.104,13                                                                              |
| 2732130         | 31.01.1997   | -19.104,13                                                                             |
| 5200010032      | 30.09.2003   | -18.837,50                                                                             |
| 2737816         | 31.03.1997   | 18.749,51                                                                              |
| 2737817         | 01.04.1997   | -18.749,51                                                                             |
| 5200005121      | 28.02.2017   | 18.742,96                                                                              |
| 5200004050      | 01.08.2001   | 18.707,46                                                                              |
| 5200003896      | 31.07.2001   | -18.707,46                                                                             |
| 2787114         | 31.08.2000   | 18.576,48                                                                              |
| 2787115         | 01.09.2000   | -18.576,48                                                                             |
| 5200011304      | 31.10.2004   | 18.550,21                                                                              |
| 5200005542      | 31.05.2003   | -18.487,32                                                                             |
| 2708604         | 02.05.1995   | 18.441,75                                                                              |
| 2708603         | 30.04.1995   | -18.441,75                                                                             |
| 5200005569      | 31.05.2003   | -18.305,54                                                                             |
| 2789478         | 05.04.1994   | 18.284,96                                                                              |
| 2789477         | 31.03.1994   | -18.284,96                                                                             |
| 2721397         | 30.04.1996   | 18.176,67                                                                              |
| 2721398         | 02.05.1996   | -18.176,67                                                                             |
| 2702567         | 04.10.1994   | 18.160,40                                                                              |
| 2702566         | 30.09.1994   | -18.160,40                                                                             |
| 2769551         | 31.05.1999   | 18.123,76                                                                              |
| 2769552         | 01.06.1999   | -18.123,76                                                                             |
| 2753149         | 04.05.1998   | 18.104,33                                                                              |
| 2753148         | 30.04.1998   | -18.104,33                                                                             |
| 2787692         | 01.10.1993   | 18.073,96                                                                              |
| 2787691         | 30.09.1993   | -18.073,96                                                                             |
| 2500002262      | 05.08.2005   | -17.884,82                                                                             |
| 2705105         | 31.03.2001   | 17.785,59                                                                              |
| 2705106         | 01.04.2001   | -17.785,59                                                                             |
| 5200006515      | 30.06.2003   | -17.764,27                                                                             |
| 2707792         | 03.04.1995   | 17.550,33                                                                              |
| 2707791         | 31.03.1995   | -17.550,33                                                                             |
| 5200001548      | 31.01.2002   | 17.517,99                                                                              |
| 5200001711      | 01.02.2002   | -17.517,99                                                                             |
| 5200006667      | 30.09.2008   | 17.514,51                                                                              |
| 6000158667      | 31.07.2002   | 17.052,87                                                                              |
| 5200002320      | 28.02.2003   | 17.033,35                                                                              |
| 5200008887      | 31.07.2004   | -16.976,07                                                                             |
| 2742373         | 01.08.1997   | 16.940,71                                                                              |
| 2742372         | 31.07.1997   | -16.940,71                                                                             |
| 2741120         | 30.06.1997   | 16.837,50                                                                              |
| 2741121         | 01.07.1997   | -16.837,50                                                                             |
| 2726114         | 02.09.1996   | 16.773,16                                                                              |
| 2726113         | 31.08.1996   | -16.773,16                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000012118      | 20.01.2004   | 16.726,93                                                                              |
| 5200004056      | 31.05.2005   | 16.620,31                                                                              |
| 2770092         | 01.04.1992   | 16.509,07                                                                              |
| 2770055         | 31.03.1992   | -16.509,07                                                                             |
| 5200004506      | 30.04.2003   | 16.497,54                                                                              |
| 5200007449      | 30.06.2002   | -16.429,95                                                                             |
| 2723657         | 30.06.1996   | 16.354,38                                                                              |
| 2723658         | 01.07.1996   | -16.354,38                                                                             |
| 6000102484      | 26.05.2003   | 16.268,29                                                                              |
| 5200006781      | 31.05.2002   | -16.246,56                                                                             |
| 2765693         | 28.02.1999   | 16.207,36                                                                              |
| 2765694         | 01.03.1999   | -16.207,36                                                                             |
| 5200002154      | 30.06.2001   | 16.196,97                                                                              |
| 5200002341      | 01.07.2001   | -16.196,97                                                                             |
| 5200002123      | 31.05.2001   | 16.169,25                                                                              |
| 5200001944      | 01.06.2001   | -16.169,25                                                                             |
| 5200002303      | 28.02.2003   | -16.105,31                                                                             |
| 5200008515      | 31.03.2017   | -15.937,67                                                                             |
| 5200028517      | 31.10.2015   | 15.911,90                                                                              |
| 2787191         | 02.08.1993   | 15.504,58                                                                              |
| 2787190         | 31.07.1993   | -15.504,58                                                                             |
| 5200008764      | 31.08.2003   | 15.487,73                                                                              |
| 2710424         | 03.07.1995   | 15.478,85                                                                              |
| 2710423         | 30.06.1995   | -15.478,85                                                                             |
| 5200005564      | 31.05.2003   | -15.478,26                                                                             |
| 2705873         | 01.02.1995   | 15.432,40                                                                              |
| 2705872         | 31.01.1995   | -15.432,40                                                                             |
| 5200009124      | 31.07.2002   | -15.382,92                                                                             |
| 2500002754      | 17.06.2002   | 15.321,29                                                                              |
| 2768731         | 03.03.1992   | 15.304,83                                                                              |
| 2768699         | 29.02.1992   | -15.304,83                                                                             |
| 2701940         | 01.09.1994   | 15.292,70                                                                              |
| 2701939         | 31.08.1994   | -15.292,70                                                                             |
| 5200002321      | 28.02.2003   | -15.123,64                                                                             |
| 5200009996      | 01.11.2001   | 15.123,47                                                                              |
| 5200009642      | 31.10.2001   | -15.123,47                                                                             |
| 2747058         | 01.12.1997   | 15.115,09                                                                              |
| 2747057         | 30.11.1997   | -15.115,09                                                                             |
| 6000039843      | 25.02.2004   | 14.996,14                                                                              |
| 2664323         | 04.01.1993   | 14.951,64                                                                              |
| 2664322         | 31.12.1992   | -14.951,64                                                                             |
| 2721363         | 30.04.1996   | 14.297,11                                                                              |
| 2721364         | 02.05.1996   | -14.297,11                                                                             |
| 2500000377      | 21.04.2016   | 14.264,67                                                                              |
| 5200006799      | 31.05.2004   | 14.262,69                                                                              |
| 6000223547      | 11.11.2003   | 14.241,16                                                                              |
| 5200004875      | 31.07.2010   | -14.210,53                                                                             |
| 2787068         | 31.08.2000   | 14.128,53                                                                              |
| 2787069         | 01.09.2000   | -14.128,53                                                                             |
| 5200006770      | 31.05.2002   | -14.094,67                                                                             |
| 2754269         | 02.06.1998   | 14.051,54                                                                              |
| 2754268         | 31.05.1998   | -14.051,54                                                                             |
| 5200005540      | 30.04.2002   | -13.909,82                                                                             |
| 5200012207      | 30.11.2004   | -13.825,82                                                                             |
| 5200009683      | 31.08.2004   | 13.756,65                                                                              |
| 2665699         | 01.03.1993   | 13.731,77                                                                              |
| 2665698         | 28.02.1993   | -13.731,77                                                                             |
| 2782432         | 30.04.2000   | 13.730,16                                                                              |
| 2782433         | 02.05.2000   | -13.730,16                                                                             |
| 2789325         | 31.10.2000   | 13.727,67                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2789326         | 01.11.2000   | -13.727,67                                                                             |
| 5200022436      | 31.08.2015   | -13.507,28                                                                             |
| 6000139330      | 05.07.2002   | 13.424,80                                                                              |
| 5200002820      | 28.02.2002   | 13.412,35                                                                              |
| 5200002994      | 01.03.2002   | -13.412,35                                                                             |
| 2784772         | 03.07.2000   | 13.376,32                                                                              |
| 2784771         | 30.06.2000   | -13.376,32                                                                             |
| 5200001253      | 31.01.2004   | 13.339,61                                                                              |
| 5200000860      | 31.01.2005   | 13.227,55                                                                              |
| 5200003463      | 31.03.2003   | -13.144,80                                                                             |
| 5200031257      | 30.09.2017   | 13.142,93                                                                              |
| 5200003732      | 31.05.2009   | -13.066,36                                                                             |
| 5200016166      | 30.06.2016   | -13.053,92                                                                             |
| 2722505         | 31.05.1996   | 13.017,95                                                                              |
| 2722506         | 03.06.1996   | -13.017,95                                                                             |
| 2782478         | 30.04.2000   | 12.946,10                                                                              |
| 2782479         | 02.05.2000   | -12.946,10                                                                             |
| 6000400547      | 17.11.2008   | -12.849,94                                                                             |
| 5200006526      | 30.06.2003   | 12.772,06                                                                              |
| 2779146         | 31.01.2000   | 12.763,09                                                                              |
| 2779147         | 01.02.2000   | -12.763,09                                                                             |
| 5200007447      | 30.06.2002   | -12.378,41                                                                             |
| 5200006587      | 30.06.2003   | 12.339,03                                                                              |
| 2667432         | 01.05.1993   | 12.315,16                                                                              |
| 2667431         | 30.04.1993   | -12.315,16                                                                             |
| 6000121874      | 25.06.2003   | 12.294,24                                                                              |
| 5200005516      | 31.08.2010   | 12.287,12                                                                              |
| 2750765         | 28.02.1998   | 12.268,62                                                                              |
| 2750766         | 02.03.1998   | -12.268,62                                                                             |
| 5200002261      | 31.03.2008   | -12.254,17                                                                             |
| 2666503         | 01.04.1993   | 12.224,60                                                                              |
| 2666502         | 31.03.1993   | -12.224,60                                                                             |
| 5200004451      | 30.04.2003   | -12.223,64                                                                             |
| 6000166730      | 25.08.2003   | 12.204,58                                                                              |
| 2717859         | 31.01.1996   | 12.182,46                                                                              |
| 2717860         | 01.02.1996   | -12.182,46                                                                             |
| 5200001813      | 31.05.2001   | 12.174,51                                                                              |
| 5200001992      | 01.06.2001   | -12.174,51                                                                             |
| 5200002294      | 31.03.2009   | -12.075,23                                                                             |
| 2779190         | 31.01.2000   | 12.015,04                                                                              |
| 2779191         | 01.02.2000   | -12.015,04                                                                             |
| 6000123647      | 15.06.2004   | -11.990,09                                                                             |
| 5200002343      | 28.02.2003   | -11.973,05                                                                             |
| 2745850         | 31.10.1997   | 11.960,37                                                                              |
| 2745851         | 03.11.1997   | -11.960,37                                                                             |
| 5200000833      | 31.01.2005   | -11.859,33                                                                             |
| 2780392         | 29.02.2000   | 11.809,63                                                                              |
| 2780393         | 01.03.2000   | -11.809,63                                                                             |
| 2748234         | 02.01.1998   | 11.746,22                                                                              |
| 2748233         | 31.12.1997   | -11.746,22                                                                             |
| 2708598         | 02.05.1995   | 11.700,56                                                                              |
| 2708597         | 30.04.1995   | -11.700,56                                                                             |
| 5200037164      | 31.12.2001   | 11.697,16                                                                              |
| 5000001031      | 31.07.2002   | 11.688,83                                                                              |
| 5200009378      | 31.07.2002   | -11.688,83                                                                             |
| 2729647         | 30.11.1996   | 11.683,39                                                                              |
| 2729648         | 02.12.1996   | -11.683,39                                                                             |
| 2755374         | 01.07.1998   | 11.646,46                                                                              |
| 2755373         | 30.06.1998   | -11.646,46                                                                             |
| 5200004042      | 01.08.2001   | 11.612,47                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003888      | 31.07.2001   | -11.612,47                                                                             |
| 5200002252      | 31.03.2008   | -11.564,46                                                                             |
| 2701640         | 01.01.2001   | 11.527,57                                                                              |
| 2701639         | 31.12.2000   | -11.527,57                                                                             |
| 5200007490      | 30.11.2010   | 11.504,12                                                                              |
| 5200011329      | 31.10.2004   | -11.480,51                                                                             |
| 2707786         | 03.04.1995   | 11.463,05                                                                              |
| 2707785         | 31.03.1995   | -11.463,05                                                                             |
| 5200000830      | 31.01.2010   | 11.450,40                                                                              |
| 6000129876      | 24.06.2004   | 11.389,32                                                                              |
| 5200003443      | 31.03.2003   | -11.305,96                                                                             |
| 5200002363      | 28.02.2003   | -11.297,99                                                                             |
| 5200008698      | 31.08.2003   | 11.270,28                                                                              |
| 5200007447      | 31.10.2005   | -11.270,18                                                                             |
| 5200014064      | 31.12.2003   | -11.178,00                                                                             |
| 5200022437      | 31.08.2015   | -11.170,73                                                                             |
| 2748235         | 31.12.1997   | 11.163,88                                                                              |
| 2748236         | 02.01.1998   | -11.163,88                                                                             |
| 2780348         | 29.02.2000   | 11.136,97                                                                              |
| 2780349         | 01.03.2000   | -11.136,97                                                                             |
| 5200009760      | 31.08.2004   | -11.067,06                                                                             |
| 5200004236      | 31.03.2004   | 11.061,85                                                                              |
| 5200002744      | 30.04.2006   | -11.033,13                                                                             |
| 5200010029      | 30.09.2003   | -10.972,65                                                                             |
| 5200012994      | 30.11.2003   | -10.960,64                                                                             |
| 2786940         | 01.07.1993   | 10.937,86                                                                              |
| 2786939         | 30.06.1993   | -10.937,86                                                                             |
| 6000200920      | 15.09.2004   | 10.860,93                                                                              |
| 2788568         | 03.01.1994   | 10.767,97                                                                              |
| 2788567         | 31.12.1993   | -10.767,97                                                                             |
| 5200002541      | 31.03.2005   | -10.748,19                                                                             |
| 5200005506      | 31.05.2003   | -10.737,79                                                                             |
| 2752048         | 01.04.1998   | 10.671,86                                                                              |
| 2752047         | 31.03.1998   | -10.671,86                                                                             |
| 5200001715      | 31.01.2015   | 10.666,26                                                                              |
| 6000157184      | 24.07.2002   | 10.645,11                                                                              |
| 2730746         | 31.12.1996   | 10.630,44                                                                              |
| 2730747         | 02.01.1997   | -10.630,44                                                                             |
| 5200002205      | 30.06.2001   | 10.607,09                                                                              |
| 5200002392      | 01.07.2001   | -10.607,09                                                                             |
| 6000232472      | 21.11.2003   | 10.536,70                                                                              |
| 5200001248      | 31.01.2003   | -10.414,66                                                                             |
| 5200013999      | 31.12.2003   | -10.352,27                                                                             |
| 5200007445      | 30.06.2002   | -10.346,78                                                                             |
| 5200036445      | 30.11.2001   | 10.331,20                                                                              |
| 5200036629      | 01.12.2001   | -10.331,20                                                                             |
| 5200012723      | 31.10.2002   | 10.329,73                                                                              |
| 5200008218      | 30.11.2005   | 10.292,33                                                                              |
| 5200002572      | 31.03.2005   | -10.235,98                                                                             |
| 2732178         | 31.01.1997   | 10.229,86                                                                              |
| 2732179         | 03.02.1997   | -10.229,86                                                                             |
| 5200004293      | 31.03.2004   | 10.136,90                                                                              |
| 5200012946      | 30.11.2003   | -10.045,23                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**Annex 7.2**  
Receivables and financial assets Healthcare

**II. Trade accounts receivable Healthcare from third parties**

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 5000001609      | 25.10.2017   | 20.514.377,35                                                                  |
| 2500000795      | 10.08.2017   | -20.514.377,35                                                                 |
| 5000001522      | 30.09.2017   | 20.467.738,11                                                                  |
| 5000000853      | 01.07.2016   | -14.811.314,00                                                                 |
| 5000001851      | 31.12.2014   | 11.722.661,82                                                                  |
| 5000000028      | 01.01.2015   | -11.722.661,82                                                                 |
| 5000001522      | 30.09.2017   | 9.180.807,01                                                                   |
| 5000001647      | 30.10.2017   | 8.213.221,34                                                                   |
| 5000001941      | 31.12.2015   | -6.716.710,52                                                                  |
| 5000001210      | 30.09.2015   | -5.798.976,82                                                                  |
| 5000001496      | 30.11.2016   | 5.794.323,34                                                                   |
| 5000001068      | 30.06.2017   | 5.688.105,56                                                                   |
| 5000001498      | 30.09.2017   | -5.688.105,56                                                                  |
| 5000001918      | 31.12.2016   | -5.502.330,67                                                                  |
| 5000001449      | 30.11.2014   | -5.320.510,09                                                                  |
| 5000000372      | 31.03.2015   | 5.233.331,17                                                                   |
| 5000001901      | 31.12.2014   | -5.233.331,17                                                                  |
| 5000001206      | 31.07.2017   | 5.084.980,88                                                                   |
| 5000001500      | 30.09.2017   | -5.084.980,88                                                                  |
| 5000000565      | 31.03.2017   | 5.052.515,39                                                                   |
| 5000000856      | 30.06.2017   | -5.052.515,39                                                                  |
| 5000001055      | 30.06.2017   | 4.931.829,83                                                                   |
| 5000001052      | 30.06.2017   | 4.931.829,83                                                                   |
| 5000001054      | 30.06.2017   | -4.931.829,83                                                                  |
| 5000001497      | 30.09.2017   | -4.931.829,83                                                                  |
| 5000001989      | 31.12.2013   | -4.255.022,71                                                                  |
| 5000001189      | 30.09.2014   | -4.132.083,39                                                                  |
| 5000001647      | 30.10.2017   | 3.923.515,00                                                                   |
| 5000000309      | 31.03.2016   | -3.825.973,29                                                                  |
| 5000000779      | 30.06.2016   | -3.088.892,08                                                                  |
| 5000000329      | 31.03.2015   | 2.784.477,58                                                                   |
| 5000001496      | 30.11.2016   | 2.767.990,00                                                                   |
| 5000001068      | 30.06.2017   | 2.717.249,00                                                                   |
| 5000001498      | 30.09.2017   | -2.717.249,00                                                                  |
| 5000001139      | 24.07.2017   | 2.706.597,22                                                                   |
| 5000000751      | 30.06.2014   | -2.648.800,33                                                                  |
| 5000001918      | 31.12.2016   | -2.628.503,00                                                                  |
| 5000000380      | 31.03.2015   | 2.511.998,96                                                                   |
| 5000001889      | 31.12.2014   | -2.511.998,96                                                                  |
| 5000001206      | 31.07.2017   | 2.438.398,00                                                                   |
| 5000001500      | 30.09.2017   | -2.438.398,00                                                                  |
| 5000000565      | 31.03.2017   | 2.413.623,00                                                                   |
| 5000000856      | 30.06.2017   | -2.413.623,00                                                                  |
| 5000001055      | 30.06.2017   | 2.355.970,64                                                                   |
| 5000001497      | 30.09.2017   | -2.355.970,64                                                                  |
| 5000000752      | 30.06.2014   | 2.230.133,84                                                                   |
| 5000000750      | 30.06.2014   | -2.230.133,84                                                                  |
| 5000001293      | 30.08.2017   | 1.989.891,28                                                                   |
| 5000001501      | 30.09.2017   | -1.989.891,28                                                                  |
| 5000000853      | 01.07.2016   | 1.946.337,76                                                                   |
| 5000000745      | 30.06.2015   | 1.889.364,43                                                                   |
| 5000001909      | 31.12.2015   | 1.711.950,32                                                                   |
| 5000001941      | 31.12.2015   | -1.711.950,32                                                                  |
| 2300003388      | 19.12.2017   | 1.666.000,00                                                                   |
| 5000000582      | 25.05.2016   | -1.548.414,13                                                                  |
| 5000000853      | 01.07.2016   | 1.537.340,06                                                                   |
| 5000000853      | 01.07.2016   | -1.537.340,06                                                                  |
| 5000002027      | 31.12.2017   | -1.510.818,22                                                                  |

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 2300003172      | 22.11.2017   | 1.470.000,00                                                                   |
| 5000000830      | 30.06.2014   | 1.434.468,63                                                                   |
| 5000001487      | 30.11.2015   | -1.419.834,15                                                                  |
| 5000001487      | 30.11.2015   | -1.386.864,16                                                                  |
| 5000000885      | 27.07.2016   | 1.193.199,51                                                                   |
| 5000000889      | 27.07.2016   | 1.193.199,51                                                                   |
| 5000000888      | 27.07.2016   | -1.193.199,51                                                                  |
| 5000001145      | 29.09.2016   | -1.193.199,51                                                                  |
| 5000000097      | 01.01.2017   | -1.182.679,66                                                                  |
| 5000001909      | 31.12.2015   | 1.015.672,35                                                                   |
| 5000001293      | 30.08.2017   | 950.585,40                                                                     |
| 5000001501      | 30.09.2017   | -950.585,40                                                                    |
| 5000002319      | 31.12.2017   | -927.191,91                                                                    |
| 5000001169      | 30.09.2016   | -867.941,69                                                                    |
| 2300003137      | 20.11.2017   | 734.444,00                                                                     |
| 5000001170      | 31.07.2017   | 720.789,03                                                                     |
| 5000001499      | 30.09.2017   | -720.789,03                                                                    |
| 5000001522      | 30.09.2017   | 605.018,41                                                                     |
| 5000000889      | 27.07.2016   | 570.000,00                                                                     |
| 5000001145      | 29.09.2016   | -570.000,00                                                                    |
| 5000000380      | 31.03.2014   | -546.910,32                                                                    |
| 5000001522      | 30.09.2017   | -524.695,37                                                                    |
| 5000001755      | 31.12.2015   | 515.411,95                                                                     |
| 5000001522      | 30.09.2017   | 514.197,45                                                                     |
| 9515452069      | 11.12.2017   | 463.985,51                                                                     |
| 9515369104      | 06.11.2017   | 429.744,32                                                                     |
| 5000001897      | 30.11.2017   | 426.617,07                                                                     |
| 5000001941      | 31.12.2015   | -421.641,20                                                                    |
| 5000001169      | 30.09.2016   | -414.622,00                                                                    |
| 5000002319      | 31.12.2017   | 413.828,80                                                                     |
| 5000001897      | 30.11.2017   | 410.683,13                                                                     |
| 5000000824      | 30.06.2014   | 387.199,52                                                                     |
| 5000002319      | 31.12.2017   | 366.630,23                                                                     |
| 5000002319      | 31.12.2017   | 364.939,22                                                                     |
| 5000001210      | 30.09.2015   | -364.030,51                                                                    |
| 5000001989      | 31.12.2013   | -361.974,53                                                                    |
| 9515393223      | 15.11.2017   | 356.730,73                                                                     |
| 9515439198      | 05.12.2017   | 345.089,92                                                                     |
| 5000001170      | 31.07.2017   | 344.326,11                                                                     |
| 5000001499      | 30.09.2017   | -344.326,11                                                                    |
| 9515443704      | 06.12.2017   | 336.762,92                                                                     |
| 5000001449      | 30.11.2014   | -333.994,78                                                                    |
| 5000000371      | 31.03.2015   | 328.522,13                                                                     |
| 5000001522      | 30.09.2017   | -312.438,82                                                                    |
| 5000001052      | 30.06.2017   | 309.595,40                                                                     |
| 5000001054      | 30.06.2017   | -309.595,40                                                                    |
| 5000001897      | 30.11.2017   | -305.867,88                                                                    |
| 9515364804      | 03.11.2017   | 295.996,52                                                                     |
| 9515364833      | 03.11.2017   | -295.996,52                                                                    |
| 5000001522      | 30.09.2017   | -270.810,05                                                                    |
| 5000001522      | 30.09.2017   | 259.928,83                                                                     |
| 5000001189      | 30.09.2014   | -259.391,35                                                                    |
| 5200001814      | 31.05.2001   | 251.076,23                                                                     |
| 5200001993      | 01.06.2001   | -251.076,23                                                                    |
| 9515413689      | 23.11.2017   | 250.631,04                                                                     |
| 5000001897      | 30.11.2017   | 246.538,06                                                                     |
| 5000000309      | 31.03.2016   | -240.175,30                                                                    |
| 5200002206      | 30.06.2001   | 226.826,86                                                                     |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 5200002393      | 01.07.2001   | -226.826,86                                                                    |
| 2300002817      | 27.10.2017   | 225.000,00                                                                     |
| 2300002901      | 31.11.2017   | 225.000,00                                                                     |
| 2300003390      | 19.12.2017   | 225.000,00                                                                     |
| 2749235         | 02.02.1998   | 223.025,15                                                                     |
| 2749234         | 31.01.1998   | -223.025,15                                                                    |
| 5000001586      | 31.12.2014   | 220.229,04                                                                     |
| 2747970         | 02.01.1998   | 204.469,51                                                                     |
| 2747969         | 31.12.1997   | -204.469,51                                                                    |
| 5000001284      | 01.11.2007   | 200.989,95                                                                     |
| 5000001229      | 31.10.2007   | 200.989,95                                                                     |
| 5000001229      | 31.10.2007   | -200.989,95                                                                    |
| 5000001284      | 01.11.2007   | -200.989,95                                                                    |
| 2701400         | 01.01.2001   | 200.453,48                                                                     |
| 2701399         | 31.12.2000   | -200.453,48                                                                    |
| 5000001522      | 30.09.2017   | 196.483,97                                                                     |
| 2300003173      | 22.11.2017   | 196.191,00                                                                     |
| 5000000779      | 30.06.2016   | -193.905,06                                                                    |
| 5000001522      | 30.09.2017   | -188.554,68                                                                    |
| 2750490         | 02.03.1998   | 187.943,92                                                                     |
| 2750489         | 28.02.1998   | -187.943,92                                                                    |
| 5000001201      | 30.09.2016   | -187.862,49                                                                    |
| 5200027565      | 31.08.2017   | 185.157,74                                                                     |
| 9515354036      | 27.10.2017   | 179.956,24                                                                     |
| 9515419017      | 26.11.2017   | 179.758,75                                                                     |
| 9515452384      | 11.12.2017   | 177.994,85                                                                     |
| 5200006908      | 31.10.2007   | 176.759,67                                                                     |
| 2757701         | 01.09.1998   | 176.510,44                                                                     |
| 2757700         | 31.08.1998   | -176.510,44                                                                    |
| 4000319947      | 13.11.2007   | -175.412,58                                                                    |
| 5000000329      | 31.03.2015   | 174.795,46                                                                     |
| 5000000570      | 31.05.2015   | 174.795,46                                                                     |
| 5000000570      | 31.05.2015   | -174.795,46                                                                    |
| 5000002319      | 31.12.2017   | 168.968,00                                                                     |
| 2755108         | 01.07.1998   | 167.446,48                                                                     |
| 2755107         | 30.06.1998   | -167.446,48                                                                    |
| 5200042038      | 31.12.2017   | 167.380,37                                                                     |
| 2756493         | 03.08.1998   | 167.229,22                                                                     |
| 2756492         | 31.07.1998   | -167.229,22                                                                    |
| 5000000751      | 30.06.2014   | -166.278,32                                                                    |
| 9515413681      | 23.11.2017   | 164.095,20                                                                     |
| 2746802         | 01.12.1997   | 161.532,85                                                                     |
| 2746801         | 30.11.1997   | -161.532,85                                                                    |
| 2745589         | 03.11.1997   | 159.896,58                                                                     |
| 2745588         | 31.10.1997   | -159.896,58                                                                    |
| 9515379097      | 09.11.2017   | 159.636,22                                                                     |
| 5200000144      | 30.04.2001   | 158.252,68                                                                     |
| 5200000317      | 01.05.2001   | -158.252,68                                                                    |
| 2752895         | 04.05.1998   | 157.948,00                                                                     |
| 2752894         | 30.04.1998   | -157.948,00                                                                    |
| 9515483323      | 29.12.2017   | 157.935,08                                                                     |
| 5000000380      | 31.03.2015   | 157.690,62                                                                     |
| 5000000570      | 31.05.2015   | 157.690,62                                                                     |
| 5000001889      | 31.12.2014   | -157.690,62                                                                    |
| 5000000570      | 31.05.2015   | -157.690,62                                                                    |
| 2754017         | 02.06.1998   | 155.829,68                                                                     |
| 2754016         | 31.05.1998   | -155.829,68                                                                    |
| 5000000853      | 01.07.2016   | 150.782,57                                                                     |
| 2789189         | 31.10.2000   | 148.842,90                                                                     |
| 2789190         | 01.11.2000   | -148.842,90                                                                    |

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| 5200007571      | 30.11.2007   | 147.590,46                                                                     |
| 9515440239      | 05.12.2017   | 147.360,09                                                                     |
| 9515362963      | 02.11.2017   | 139.133,28                                                                     |
| 5200003898      | 31.07.2001   | 138.717,18                                                                     |
| 5200004052      | 01.08.2001   | -138.717,18                                                                    |
| 2751800         | 01.04.1998   | 137.667,83                                                                     |
| 2751799         | 31.03.1998   | -137.667,83                                                                    |
| 9515462918      | 14.12.2017   | 137.073,60                                                                     |
| 5000001522      | 30.09.2017   | 133.458,36                                                                     |
| 5200034824      | 31.10.2017   | -131.896,43                                                                    |
| 5200037167      | 31.12.2001   | 130.747,92                                                                     |
| 2786936         | 31.08.2000   | 130.199,34                                                                     |
| 2786937         | 01.09.2000   | -130.199,34                                                                    |
| 2782300         | 30.04.2000   | 127.930,88                                                                     |
| 2782301         | 02.05.2000   | -127.930,88                                                                    |
| 5000002226      | 31.12.2017   | 124.648,26                                                                     |
| 5000002229      | 31.12.2017   | -124.648,26                                                                    |
| 2744416         | 01.10.1997   | 122.330,40                                                                     |
| 2744415         | 30.09.1997   | -122.330,40                                                                    |
| 9515455250      | 12.12.2017   | 119.382,00                                                                     |
| 5000000745      | 30.06.2015   | 118.604,77                                                                     |
| 9515082010      | 03.07.2017   | 117.290,61                                                                     |
| 5200036448      | 30.11.2001   | 117.282,25                                                                     |
| 5200036632      | 01.12.2001   | -117.282,25                                                                    |
| 5200007450      | 30.06.2002   | -114.644,75                                                                    |
| 2742108         | 31.07.1997   | 113.117,53                                                                     |
| 2742109         | 01.08.1997   | -113.117,53                                                                    |
| 5000002319      | 31.12.2017   | 112.893,72                                                                     |
| 5000002324      | 31.12.2017   | 112.893,72                                                                     |
| 5000001897      | 30.11.2017   | -112.893,72                                                                    |
| 5000002324      | 31.12.2017   | -112.893,72                                                                    |
| 5000001861      | 31.12.2016   | -111.802,79                                                                    |
| 5000001826      | 31.12.2015   | -111.250,15                                                                    |
| 5000001909      | 31.12.2015   | 107.467,60                                                                     |
| 5000001941      | 31.12.2015   | -107.467,60                                                                    |
| 9515464731      | 15.12.2017   | 107.185,50                                                                     |
| 9515423580      | 28.11.2017   | 106.407,26                                                                     |
| 9515396630      | 16.11.2017   | 105.832,32                                                                     |
| 5200010099      | 30.09.2003   | -104.051,43                                                                    |
| 9514656049      | 30.12.2016   | 103.734,00                                                                     |
| 9515322472      | 16.10.2017   | 102.750,00                                                                     |
| 2779004         | 31.01.2000   | 101.868,97                                                                     |
| 2779005         | 01.02.2000   | -101.868,97                                                                    |
| 2751807         | 31.03.1998   | 99.762,75                                                                      |
| 2751808         | 01.04.1998   | -99.762,75                                                                     |
| 2788051         | 30.09.2000   | 99.636,59                                                                      |
| 2788052         | 02.10.2000   | -99.636,59                                                                     |
| 5000001522      | 30.09.2017   | 99.539,42                                                                      |
| 2743188         | 01.09.1997   | 99.219,02                                                                      |
| 2743187         | 31.08.1997   | -99.219,02                                                                     |
| 5000002321      | 31.12.2017   | -97.001,48                                                                     |
| 2749242         | 31.01.1998   | 96.794,14                                                                      |
| 2749243         | 02.02.1998   | -96.794,14                                                                     |
| 5000001897      | 30.11.2017   | -95.645,76                                                                     |
| 5200009648      | 31.10.2001   | 95.422,70                                                                      |
| 5200010002      | 01.11.2001   | -95.422,70                                                                     |
| 5000002319      | 31.12.2017   | 95.370,04                                                                      |
| 5200005311      | 01.09.2001   | 95.276,36                                                                      |
| 5200005157      | 31.08.2001   | -95.276,36                                                                     |
| 9515452387      | 11.12.2017   | 95.206,70                                                                      |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 5000001989      | 31.12.2013   | 94.865,67                                                                      |
| 9515458212      | 13.12.2017   | 94.630,80                                                                      |
| 9515468996      | 18.12.2017   | 94.591,58                                                                      |
| 5000001522      | 30.09.2017   | 94.539,42                                                                      |
| 2781357         | 31.03.2000   | 94.476,68                                                                      |
| 2781358         | 03.04.2000   | -94.476,68                                                                     |
| 5200005157      | 31.08.2001   | 94.124,43                                                                      |
| 5200005311      | 01.09.2001   | -94.124,43                                                                     |
| 5000000830      | 30.06.2014   | 90.048,70                                                                      |
| 5000001487      | 30.11.2015   | -89.130,02                                                                     |
| 5000001487      | 30.11.2015   | -87.060,34                                                                     |
| 5000001897      | 30.11.2017   | -83.024,09                                                                     |
| 2780200         | 29.02.2000   | 82.383,75                                                                      |
| 2780201         | 01.03.2000   | -82.383,75                                                                     |
| 5200005763      | 30.09.2001   | 82.010,34                                                                      |
| 5200005922      | 01.10.2001   | -82.010,34                                                                     |
| 9515468997      | 18.12.2017   | 79.149,65                                                                      |
| 5000001522      | 30.09.2017   | 79.113,38                                                                      |
| 2782278         | 30.04.2000   | 78.187,22                                                                      |
| 2782279         | 02.05.2000   | -78.187,22                                                                     |
| 9514680542      | 12.01.2017   | 78.125,84                                                                      |
| 9515364824      | 03.11.2017   | -78.125,84                                                                     |
| 2750497         | 28.02.1998   | 77.771,85                                                                      |
| 2750498         | 02.03.1998   | -77.771,85                                                                     |
| 5000002319      | 31.12.2017   | -76.658,80                                                                     |
| 5000000853      | 01.07.2016   | -76.010,49                                                                     |
| 2742099         | 01.08.1997   | 75.761,37                                                                      |
| 2742098         | 31.07.1997   | -75.761,37                                                                     |
| 5000001897      | 30.11.2017   | 75.264,26                                                                      |
| 5000000885      | 27.07.2016   | 74.903,05                                                                      |
| 5000000888      | 27.07.2016   | -74.903,05                                                                     |
| 5000000853      | 01.07.2016   | -74.772,08                                                                     |
| 2747977         | 31.12.1997   | 74.662,84                                                                      |
| 2747978         | 02.01.1998   | -74.662,84                                                                     |
| 2783516         | 31.05.2000   | 74.485,63                                                                      |
| 2783517         | 05.06.2000   | -74.485,63                                                                     |
| 5200014568      | 31.12.2002   | -73.885,88                                                                     |
| 2743193         | 31.08.1997   | 73.323,28                                                                      |
| 2743194         | 01.09.1997   | -73.323,28                                                                     |
| 5000001897      | 30.11.2017   | 73.304,51                                                                      |
| 5000001522      | 30.09.2017   | -73.304,51                                                                     |
| 5200005546      | 30.04.2002   | -73.090,83                                                                     |
| 9515456543      | 12.12.2017   | 72.209,42                                                                      |
| 2760290         | 02.11.1998   | 71.898,43                                                                      |
| 2760289         | 31.10.1998   | -71.898,43                                                                     |
| 2704889         | 31.03.2001   | 71.075,83                                                                      |
| 2704890         | 01.04.2001   | -71.075,83                                                                     |
| 2775810         | 31.10.1999   | 70.579,85                                                                      |
| 2775811         | 01.11.1999   | -70.579,85                                                                     |
| 9515452068      | 11.12.2017   | 70.297,20                                                                      |
| 5200006788      | 31.05.2002   | -69.686,90                                                                     |
| 5000001522      | 30.09.2017   | 69.460,44                                                                      |
| 2777802         | 31.12.1999   | 69.241,46                                                                      |
| 2777803         | 03.01.2000   | -69.241,46                                                                     |
| 9515399870      | 17.11.2017   | 67.368,31                                                                      |
| 5200003580      | 31.05.2010   | 65.641,91                                                                      |
| 5200007422      | 31.10.2008   | 64.524,87                                                                      |
| 9515422032      | 01.12.2017   | 64.152,00                                                                      |
| 9515476348      | 21.12.2017   | 63.955,12                                                                      |
| 5000001909      | 31.12.2015   | 63.758,79                                                                      |

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| 5200005570      | 31.05.2003   | -63.645,69                                                                     |
| 6000446193      | 19.12.2008   | 63.407,28                                                                      |
| 5000001522      | 30.09.2017   | 63.225,27                                                                      |
| 5000001897      | 30.11.2017   | 63.225,27                                                                      |
| 5000001522      | 30.09.2017   | -63.225,27                                                                     |
| 5000001897      | 30.11.2017   | -63.225,27                                                                     |
| 2701401         | 31.12.2000   | 63.115,33                                                                      |
| 2701402         | 01.01.2001   | -63.115,33                                                                     |
| 2700388         | 30.11.2000   | 62.291,15                                                                      |
| 2700389         | 01.12.2000   | -62.291,15                                                                     |
| 2759008         | 01.10.1998   | 61.320,64                                                                      |
| 2759007         | 30.09.1998   | -61.320,64                                                                     |
| 2789193         | 31.10.2000   | 61.256,87                                                                      |
| 2789194         | 01.11.2000   | -61.256,87                                                                     |
| 5000002321      | 31.12.2017   | -60.933,60                                                                     |
| 5000001522      | 30.09.2017   | -60.865,35                                                                     |
| 2785713         | 31.07.2000   | 60.566,37                                                                      |
| 2785714         | 01.08.2000   | -60.566,37                                                                     |
| 2736384         | 28.02.1997   | 60.441,80                                                                      |
| 2736385         | 03.03.1997   | -60.441,80                                                                     |
| 9515440236      | 05.12.2017   | 60.405,42                                                                      |
| 9515446098      | 07.12.2017   | 59.346,00                                                                      |
| 2752902         | 30.04.1998   | 59.242,40                                                                      |
| 2752903         | 04.05.1998   | -59.242,40                                                                     |
| 2746807         | 30.11.1997   | 59.180,96                                                                      |
| 2746808         | 01.12.1997   | -59.180,96                                                                     |
| 5200007418      | 31.10.2008   | 59.143,67                                                                      |
| 2762899         | 04.01.1999   | 58.897,11                                                                      |
| 2762898         | 31.12.1998   | -58.897,11                                                                     |
| 2700387         | 01.12.2000   | 58.832,67                                                                      |
| 2700386         | 30.11.2000   | -58.832,67                                                                     |
| 9515379098      | 09.11.2017   | 58.237,41                                                                      |
| 5200005922      | 01.10.2001   | 58.177,59                                                                      |
| 5200005763      | 30.09.2001   | -58.177,59                                                                     |
| 9515446099      | 07.12.2017   | 58.158,00                                                                      |
| 2740870         | 30.06.1997   | 57.901,99                                                                      |
| 2740871         | 01.07.1997   | -57.901,99                                                                     |
| 2738660         | 30.04.1997   | 57.672,06                                                                      |
| 2738661         | 02.05.1997   | -57.672,06                                                                     |
| 2777800         | 31.12.1999   | 57.574,52                                                                      |
| 2777801         | 03.01.2000   | -57.574,52                                                                     |
| 2700392         | 30.11.2000   | 57.148,23                                                                      |
| 2700393         | 01.12.2000   | -57.148,23                                                                     |
| 2759002         | 01.10.1998   | 56.531,92                                                                      |
| 2759001         | 30.09.1998   | -56.531,92                                                                     |
| 2754026         | 31.05.1998   | 55.825,59                                                                      |
| 2754027         | 02.06.1998   | -55.825,59                                                                     |
| 9515312754      | 11.10.2017   | 55.435,63                                                                      |
| 9515447071      | 07.12.2017   | 55.080,70                                                                      |
| 9515448727      | 08.12.2017   | 54.529,20                                                                      |
| 2744423         | 30.09.1997   | 54.444,93                                                                      |
| 2744424         | 01.10.1997   | -54.444,93                                                                     |
| 9515423581      | 28.11.2017   | 54.365,69                                                                      |
| 5000001818      | 31.12.2016   | 54.269,75                                                                      |
| 6000187067      | 21.06.2017   | -53.926,56                                                                     |
| 5000001861      | 31.12.2016   | -53.409,00                                                                     |
| 5200014065      | 31.12.2003   | -53.349,01                                                                     |
| 2745595         | 03.11.1997   | 53.235,54                                                                      |
| 2745594         | 31.10.1997   | -53.235,54                                                                     |
| 5200007426      | 31.10.2008   | -52.571,37                                                                     |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 9515356216      | 30.10.2017   | 52.467,37                                                                      |
| 4000137100      | 11.05.2010   | 52.217,54                                                                      |
| 5200001258      | 31.01.2003   | -51.883,15                                                                     |
| 9515440238      | 05.12.2017   | 51.616,80                                                                      |
| 2781335         | 31.03.2000   | 51.593,15                                                                      |
| 2781336         | 03.04.2000   | -51.593,15                                                                     |
| 2701384         | 01.01.2001   | 51.349,36                                                                      |
| 2701383         | 31.12.2000   | -51.349,36                                                                     |
| 2788057         | 30.09.2000   | 51.271,65                                                                      |
| 2788058         | 02.10.2000   | -51.271,65                                                                     |
| 2760284         | 02.11.1998   | 51.252,01                                                                      |
| 2760283         | 31.10.1998   | -51.252,01                                                                     |
| 2789199         | 31.10.2000   | 50.976,26                                                                      |
| 2789200         | 01.11.2000   | -50.976,26                                                                     |
| 2704893         | 31.03.2001   | 50.726,66                                                                      |
| 2704894         | 01.04.2001   | -50.726,66                                                                     |
| 2786942         | 31.08.2000   | 50.481,94                                                                      |
| 2786943         | 01.09.2000   | -50.481,94                                                                     |
| 2731828         | 31.01.1997   | 49.902,95                                                                      |
| 2731829         | 03.02.1997   | -49.902,95                                                                     |
| 5200001551      | 31.01.2002   | 49.403,93                                                                      |
| 5200001714      | 01.02.2002   | -49.403,93                                                                     |
| 5000002319      | 31.12.2017   | 49.317,24                                                                      |
| 9515393217      | 15.11.2017   | 49.305,60                                                                      |
| 2766924         | 31.03.1999   | 49.161,31                                                                      |
| 2766925         | 01.04.1999   | -49.161,31                                                                     |
| 5200008765      | 31.08.2003   | 49.031,90                                                                      |
| 2784576         | 03.07.2000   | 48.981,27                                                                      |
| 2784575         | 30.06.2000   | -48.981,27                                                                     |
| 9515448728      | 08.12.2017   | 48.964,80                                                                      |
| 2702570         | 01.02.2001   | 48.423,81                                                                      |
| 2702569         | 31.01.2001   | -48.423,81                                                                     |
| 5200039523      | 30.11.2017   | 47.971,35                                                                      |
| 5200039522      | 30.11.2017   | -47.971,35                                                                     |
| 9515386195      | 13.11.2017   | 47.832,75                                                                      |
| 5200008543      | 31.12.2008   | -47.555,11                                                                     |
| 5200004062      | 31.05.2005   | 47.325,19                                                                      |
| 2745599         | 03.11.1997   | 47.117,85                                                                      |
| 2745598         | 31.10.1997   | -47.117,85                                                                     |
| 9515450132      | 08.12.2017   | 46.837,90                                                                      |
| 2772170         | 02.08.1999   | 46.746,10                                                                      |
| 2772169         | 31.07.1999   | -46.746,10                                                                     |
| 5200004880      | 31.07.2010   | -46.476,32                                                                     |
| 9515468995      | 18.12.2017   | 46.424,57                                                                      |
| 2783515         | 05.06.2000   | 46.323,74                                                                      |
| 2783514         | 31.05.2000   | -46.323,74                                                                     |
| 2761634         | 01.12.1998   | 46.188,42                                                                      |
| 2761633         | 30.11.1998   | -46.188,42                                                                     |
| 5000000365      | 31.03.2015   | -44.985,76                                                                     |
| 9514712373      | 26.01.2017   | 44.928,00                                                                      |
| 9515364822      | 03.11.2017   | 44.928,00                                                                      |
| 9515364821      | 03.11.2017   | -44.928,00                                                                     |
| 2737512         | 31.03.1997   | 44.826,26                                                                      |
| 2737513         | 01.04.1997   | -44.826,26                                                                     |
| 9515445676      | 07.12.2017   | 44.793,00                                                                      |
| 9515316312      | 12.10.2017   | 44.712,00                                                                      |
| 5000001897      | 30.11.2017   | -44.630,38                                                                     |
| 2766257         | 01.01.1992   | 44.628,38                                                                      |
| 2766218         | 31.12.1991   | -44.628,38                                                                     |
| 2784577         | 30.06.2000   | 44.516,21                                                                      |

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|-----------------|--------------|--------------------------------------------------------------------------------|
| 2784578         | 03.07.2000   | -44.516,21                                                                     |
| 2714037         | 01.11.1995   | 43.938,31                                                                      |
| 2714036         | 31.10.1995   | -43.938,31                                                                     |
| 2777776         | 31.12.1999   | 43.510,95                                                                      |
| 2777777         | 03.01.2000   | -43.510,95                                                                     |
| 2700398         | 30.11.2000   | 43.397,65                                                                      |
| 2700399         | 01.12.2000   | -43.397,65                                                                     |
| 2703688         | 28.02.2001   | 43.166,15                                                                      |
| 2703689         | 01.03.2001   | -43.166,15                                                                     |
| 5200000828      | 31.01.2009   | 42.749,72                                                                      |
| 2702575         | 31.01.2001   | 42.657,05                                                                      |
| 2702576         | 01.02.2001   | -42.657,05                                                                     |
| 2770571         | 30.06.1999   | 42.264,46                                                                      |
| 2770572         | 01.07.1999   | -42.264,46                                                                     |
| 5200007431      | 31.10.2008   | -42.249,38                                                                     |
| 2500001194      | 23.12.2016   | 42.180,52                                                                      |
| 4000422657      | 28.12.2016   | -42.180,52                                                                     |
| 2782304         | 30.04.2000   | 41.821,61                                                                      |
| 2782305         | 02.05.2000   | -41.821,61                                                                     |
| 4000000254      | 05.01.2015   | 41.724,75                                                                      |
| 4000000265      | 05.01.2015   | -41.724,75                                                                     |
| 5200004052      | 01.08.2001   | 41.654,42                                                                      |
| 5200003898      | 31.07.2001   | -41.654,42                                                                     |
| 2769267         | 31.05.1999   | 40.836,50                                                                      |
| 2769268         | 01.06.1999   | -40.836,50                                                                     |
| 5000000368      | 31.03.2016   | -40.801,31                                                                     |
| 6000447072      | 18.12.2008   | -40.594,63                                                                     |
| 2300003423      | 20.12.2017   | 40.511,45                                                                      |
| 2785717         | 31.07.2000   | 40.044,48                                                                      |
| 2785718         | 01.08.2000   | -40.044,48                                                                     |
| 5000001897      | 30.11.2017   | 40.005,86                                                                      |
| 2702571         | 31.01.2001   | 39.717,37                                                                      |
| 2702572         | 01.02.2001   | -39.717,37                                                                     |
| 2763992         | 01.02.1999   | 39.369,23                                                                      |
| 2763991         | 31.01.1999   | -39.369,23                                                                     |
| 2701405         | 31.12.2000   | 39.055,15                                                                      |
| 2701406         | 01.01.2001   | -39.055,15                                                                     |
| 5200001724      | 31.01.2015   | 39.035,23                                                                      |
| 2770569         | 30.06.1999   | 38.615,93                                                                      |
| 2770570         | 01.07.1999   | -38.615,93                                                                     |
| 2765465         | 28.02.1999   | 38.591,04                                                                      |
| 2765466         | 01.03.1999   | -38.591,04                                                                     |
| 2736394         | 28.02.1997   | 38.409,25                                                                      |
| 2736395         | 03.03.1997   | -38.409,25                                                                     |
| 2745596         | 31.10.1997   | 38.250,16                                                                      |
| 2745597         | 03.11.1997   | -38.250,16                                                                     |
| 2783520         | 31.05.2000   | 38.098,73                                                                      |
| 2783521         | 05.06.2000   | -38.098,73                                                                     |
| 2781994         | 01.09.1992   | 37.957,35                                                                      |
| 2781946         | 31.08.1992   | -37.957,35                                                                     |
| 2707664         | 03.04.1995   | 37.707,30                                                                      |
| 2707663         | 31.03.1995   | -37.707,30                                                                     |
| 5200013004      | 30.11.2003   | 37.686,62                                                                      |
| 2739681         | 31.05.1997   | 37.513,79                                                                      |
| 2739682         | 02.06.1997   | -37.513,79                                                                     |
| 5200006599      | 30.06.2003   | 37.239,21                                                                      |
| 2703684         | 28.02.2001   | 37.093,78                                                                      |
| 2703685         | 01.03.2001   | -37.093,78                                                                     |
| 9515354034      | 27.10.2017   | 36.979,20                                                                      |
| 2702548         | 01.02.2001   | 36.862,22                                                                      |

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## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 2702547         | 31.01.2001   | -36.862,22                                                                     |
| 9515455179      | 12.12.2017   | 36.720,00                                                                      |
| 2300002815      | 26.10.2017   | 36.611,64                                                                      |
| 5200009168      | 31.07.2002   | 36.140,88                                                                      |
| 2500001216      | 21.05.2010   | -36.074,73                                                                     |
| 9515455181      | 12.12.2017   | 35.640,00                                                                      |
| 9515464733      | 15.12.2017   | 35.535,41                                                                      |
| 2703657         | 01.03.2001   | 34.958,20                                                                      |
| 2703656         | 28.02.2001   | -34.958,20                                                                     |
| 5200002823      | 28.02.2002   | 34.723,85                                                                      |
| 5200002997      | 01.03.2002   | -34.723,85                                                                     |
| 2775832         | 31.10.1999   | 34.722,64                                                                      |
| 2775833         | 01.11.1999   | -34.722,64                                                                     |
| 5200002212      | 30.06.2001   | 34.717,34                                                                      |
| 5200002399      | 01.07.2001   | -34.717,34                                                                     |
| 2784581         | 30.06.2000   | 34.493,41                                                                      |
| 2784582         | 03.07.2000   | -34.493,41                                                                     |
| 9515393214      | 15.11.2017   | 34.405,80                                                                      |
| 2775836         | 31.10.1999   | 34.370,38                                                                      |
| 2775837         | 01.11.1999   | -34.370,38                                                                     |
| 9512123349      | 23.12.2013   | -33.927,80                                                                     |
| 5200034825      | 31.10.2017   | -33.683,72                                                                     |
| 2713165         | 02.10.1995   | 33.512,32                                                                      |
| 2713164         | 30.09.1995   | -33.512,32                                                                     |
| 5200008556      | 31.12.2008   | 33.501,31                                                                      |
| 2781361         | 31.03.2000   | 33.316,86                                                                      |
| 2781362         | 03.04.2000   | -33.316,86                                                                     |
| 2300001103      | 05.05.2017   | 33.213,86                                                                      |
| 5000001064      | 30.06.2017   | 33.039,21                                                                      |
| 5000001364      | 30.09.2017   | 33.039,21                                                                      |
| 5000001060      | 30.06.2017   | -33.039,21                                                                     |
| 5000001365      | 30.09.2017   | -33.039,21                                                                     |
| 5200002751      | 30.04.2006   | -33.017,80                                                                     |
| 5000001522      | 30.09.2017   | -32.885,15                                                                     |
| 9515377784      | 09.11.2017   | 32.816,80                                                                      |
| 5000000556      | 31.03.2017   | 32.519,49                                                                      |
| 5000000853      | 30.06.2017   | 32.519,49                                                                      |
| 5000000553      | 31.03.2017   | -32.519,49                                                                     |
| 5000000854      | 30.06.2017   | -32.519,49                                                                     |
| 2789188         | 01.11.2000   | 32.418,12                                                                      |
| 2789187         | 31.10.2000   | -32.418,12                                                                     |
| 2751813         | 31.03.1998   | 32.413,02                                                                      |
| 2751814         | 01.04.1998   | -32.413,02                                                                     |
| 5000001755      | 31.12.2015   | 32.354,96                                                                      |
| 9515446101      | 07.12.2017   | 32.140,80                                                                      |
| 2788050         | 02.10.2000   | 32.046,20                                                                      |
| 2788049         | 30.09.2000   | -32.046,20                                                                     |
| 5200007294      | 30.11.2006   | -31.900,88                                                                     |
| 2769271         | 31.05.1999   | 31.691,66                                                                      |
| 2769272         | 01.06.1999   | -31.691,66                                                                     |
| 2704899         | 31.03.2001   | 31.552,72                                                                      |
| 2704900         | 01.04.2001   | -31.552,72                                                                     |
| 5200008547      | 31.12.2008   | -31.458,41                                                                     |
| 2783494         | 31.05.2000   | 31.444,82                                                                      |
| 2783495         | 05.06.2000   | -31.444,82                                                                     |
| 5200012218      | 30.11.2004   | -31.409,09                                                                     |
| 9515393206      | 15.11.2017   | 31.198,69                                                                      |
| 2781998         | 01.09.1992   | 31.049,91                                                                      |
| 2781950         | 31.08.1992   | -31.049,91                                                                     |
| 5200000842      | 31.01.2009   | -30.780,51                                                                     |

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| 5200004507      | 30.04.2003   | -30.646,19                                                                     |
| 2724711         | 01.08.1996   | 30.508,43                                                                      |
| 2724710         | 31.07.1996   | -30.508,43                                                                     |
| 5000000873      | 30.06.2002   | 30.469,59                                                                      |
| 5000000870      | 30.06.2002   | -30.469,59                                                                     |
| 2774614         | 01.07.1992   | 30.263,55                                                                      |
| 2774577         | 30.06.1992   | -30.263,55                                                                     |
| 2704888         | 02.01.1995   | 29.996,88                                                                      |
| 2704887         | 31.12.1994   | -29.996,88                                                                     |
| 5000001897      | 30.11.2017   | 29.955,43                                                                      |
| 2780204         | 29.02.2000   | 29.655,54                                                                      |
| 2780205         | 01.03.2000   | -29.655,54                                                                     |
| 5200011341      | 31.10.2004   | -29.587,86                                                                     |
| 9515422031      | 01.12.2017   | 29.548,80                                                                      |
| 9514702691      | 23.01.2017   | 29.203,20                                                                      |
| 9515364808      | 03.11.2017   | -29.203,20                                                                     |
| 2749248         | 31.01.1998   | 29.051,10                                                                      |
| 2749249         | 02.02.1998   | -29.051,10                                                                     |
| 5000002229      | 31.12.2017   | 29.048,73                                                                      |
| 2783456         | 01.10.1992   | 28.909,94                                                                      |
| 2783407         | 30.09.1992   | -28.909,94                                                                     |
| 5000002319      | 31.12.2017   | 28.894,27                                                                      |
| 2775998         | 01.08.1992   | 28.681,76                                                                      |
| 2775960         | 31.07.1992   | -28.681,76                                                                     |
| 2766265         | 01.01.1992   | 28.680,28                                                                      |
| 2766226         | 31.12.1991   | -28.680,28                                                                     |
| 2783461         | 01.10.1992   | 28.421,14                                                                      |
| 2783412         | 30.09.1992   | -28.421,14                                                                     |
| 2744426         | 01.10.1997   | 28.356,35                                                                      |
| 2744425         | 30.09.1997   | -28.356,35                                                                     |
| 5200010002      | 01.11.2001   | 28.183,02                                                                      |
| 5200009648      | 31.10.2001   | -28.183,02                                                                     |
| 9515365877      | 03.11.2017   | 28.099,34                                                                      |
| 9515064387      | 26.06.2017   | 28.007,00                                                                      |
| 5200000874      | 31.01.2005   | 27.940,98                                                                      |
| 2779006         | 31.01.2000   | 27.925,23                                                                      |
| 2779007         | 01.02.2000   | -27.925,23                                                                     |
| 2523651         | 30.09.1999   | 27.761,90                                                                      |
| 2524055         | 01.10.1999   | -27.761,90                                                                     |
| 5200023424      | 31.08.2013   | -27.544,41                                                                     |
| 5200001717      | 31.01.2015   | 27.488,19                                                                      |
| 2736390         | 28.02.1997   | 27.427,81                                                                      |
| 2736391         | 03.03.1997   | -27.427,81                                                                     |
| 2703683         | 01.03.2001   | 27.382,29                                                                      |
| 2703682         | 28.02.2001   | -27.382,29                                                                     |
| 2640903         | 30.04.1996   | 27.274,44                                                                      |
| 2640904         | 02.05.1996   | -27.274,44                                                                     |
| 2738668         | 30.04.1997   | 26.825,11                                                                      |
| 2738669         | 02.05.1997   | -26.825,11                                                                     |
| 9515296518      | 04.10.2017   | 26.757,53                                                                      |
| 2731836         | 31.01.1997   | 26.657,71                                                                      |
| 2731837         | 03.02.1997   | -26.657,71                                                                     |
| 2775265         | 01.10.1999   | 26.435,32                                                                      |
| 2774423         | 01.09.1999   | -26.435,32                                                                     |
| 5200003736      | 31.05.2009   | -26.280,88                                                                     |
| 2761941         | 01.10.1991   | 25.867,02                                                                      |
| 2761896         | 30.09.1991   | -25.867,02                                                                     |
| 5200002680      | 31.01.2013   | -25.750,57                                                                     |
| 5200007417      | 31.10.2008   | -25.669,24                                                                     |
| 2706438         | 01.03.1995   | 25.663,98                                                                      |

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## Receivables and financial assets Healthcare

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| 2706437         | 28.02.1995   | -25.663,98                                                                     |
| 2780176         | 29.02.2000   | 25.568,52                                                                      |
| 2780177         | 01.03.2000   | -25.568,52                                                                     |
| 5200002223      | 30.06.2001   | 25.532,28                                                                      |
| 5200002410      | 01.07.2001   | -25.532,28                                                                     |
| 5200006843      | 30.09.2005   | 25.474,54                                                                      |
| 2708478         | 02.05.1995   | 25.412,17                                                                      |
| 2708477         | 30.04.1995   | -25.412,17                                                                     |
| 5200001833      | 31.05.2001   | 25.389,13                                                                      |
| 5200002012      | 01.06.2001   | -25.389,13                                                                     |
| 5000001522      | 30.09.2017   | 25.388,23                                                                      |
| 2789475         | 31.10.2000   | 25.274,89                                                                      |
| 2789476         | 01.11.2000   | -25.274,89                                                                     |
| 9515322473      | 16.10.2017   | 25.110,00                                                                      |
| 9515395155      | 01.12.2017   | 25.110,00                                                                      |
| 2300003575      | 29.12.2017   | 25.000,00                                                                      |
| 2731832         | 31.01.1997   | 24.896,83                                                                      |
| 2731833         | 03.02.1997   | -24.896,83                                                                     |
| 5200006143      | 30.09.2010   | -24.868,31                                                                     |
| 5000001501      | 01.12.2007   | 24.674,78                                                                      |
| 5000001501      | 01.12.2007   | -24.674,78                                                                     |
| 2523651         | 30.09.1999   | 24.601,30                                                                      |
| 2524055         | 01.10.1999   | -24.601,30                                                                     |
| 5200007419      | 31.10.2008   | 24.505,78                                                                      |
| 2775250         | 01.10.1999   | 24.442,00                                                                      |
| 2774408         | 01.09.1999   | -24.442,00                                                                     |
| 5000000824      | 30.06.2014   | 24.306,43                                                                      |
| 5200003594      | 31.05.2010   | -24.274,36                                                                     |
| 5000001897      | 30.11.2017   | -23.951,06                                                                     |
| 5200011626      | 31.05.2012   | 23.787,34                                                                      |
| 6000147980      | 16.05.2017   | -23.654,16                                                                     |
| 6000180759      | 14.06.2017   | -23.654,16                                                                     |
| 6000216055      | 14.07.2017   | -23.654,16                                                                     |
| 6000252176      | 15.08.2017   | -23.654,16                                                                     |
| 6000284335      | 14.09.2017   | -23.654,16                                                                     |
| 6000322475      | 13.10.2017   | -23.654,16                                                                     |
| 6000356494      | 13.11.2017   | -23.654,16                                                                     |
| 6000394514      | 13.12.2017   | -23.654,16                                                                     |
| 2763987         | 31.01.1999   | 23.629,62                                                                      |
| 2763988         | 01.02.1999   | -23.629,62                                                                     |
| 2300000899      | 13.04.2015   | 23.600,00                                                                      |
| 5200001726      | 31.01.2015   | -23.405,62                                                                     |
| 2700688         | 30.11.2000   | 23.295,51                                                                      |
| 2700689         | 01.12.2000   | -23.295,51                                                                     |
| 2706428         | 01.03.1995   | 23.235,78                                                                      |
| 2706427         | 28.02.1995   | -23.235,78                                                                     |
| 2761607         | 30.11.1998   | 23.109,97                                                                      |
| 2761608         | 01.12.1998   | -23.109,97                                                                     |
| 5200005973      | 31.08.2008   | 23.070,62                                                                      |
| 5000001522      | 30.09.2017   | -23.061,45                                                                     |
| 5200001668      | 29.02.2008   | -23.007,73                                                                     |
| 5200001572      | 29.02.2008   | 22.910,14                                                                      |
| 2788029         | 30.09.2000   | 22.862,15                                                                      |
| 2788030         | 02.10.2000   | -22.862,15                                                                     |
| 5200007080      | 28.02.2013   | 22.847,58                                                                      |
| 2704864         | 01.04.2001   | 22.696,35                                                                      |
| 2704863         | 31.03.2001   | -22.696,35                                                                     |
| 9511601243      | 12.06.2013   | -22.612,30                                                                     |
| 2712232         | 01.09.1995   | 22.604,51                                                                      |
| 2712231         | 31.08.1995   | -22.604,51                                                                     |

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|-----------------|--------------|--------------------------------------------------------------------------------|
| 2500000602      | 04.08.2015   | -22.564,78                                                                     |
| 5200008223      | 30.11.2005   | 22.466,12                                                                      |
| 5200002301      | 31.03.2009   | -22.322,77                                                                     |
| 5200001315      | 31.01.2004   | 22.071,93                                                                      |
| 2300000582      | 24.02.2017   | 22.044,88                                                                      |
| 2300002455      | 13.09.2017   | 22.038,08                                                                      |
| 2300000595      | 24.02.2017   | 22.008,50                                                                      |
| 2704905         | 31.03.2001   | 21.978,58                                                                      |
| 2704906         | 01.04.2001   | -21.978,58                                                                     |
| 5200000744      | 31.01.2006   | -21.963,20                                                                     |
| 5200021782      | 30.09.2012   | -21.925,31                                                                     |
| 5200006154      | 30.09.2010   | 21.855,03                                                                      |
| 2744422         | 01.10.1997   | 21.815,69                                                                      |
| 2744421         | 30.09.1997   | -21.815,69                                                                     |
| 2620267         | 31.12.1994   | 21.790,98                                                                      |
| 2620278         | 02.01.1995   | -21.790,98                                                                     |
| 5200003912      | 31.07.2001   | 21.620,81                                                                      |
| 5200004066      | 01.08.2001   | -21.620,81                                                                     |
| 9515466014      | 15.12.2017   | 21.362,88                                                                      |
| 5200006161      | 30.09.2007   | -21.359,82                                                                     |
| 2774419         | 01.09.1999   | 21.309,03                                                                      |
| 2775261         | 01.10.1999   | -21.309,03                                                                     |
| 5200042039      | 31.12.2017   | 21.221,76                                                                      |
| 9515410271      | 22.11.2017   | 21.020,00                                                                      |
| 5200004893      | 31.07.2010   | 21.018,07                                                                      |
| 9515361844      | 01.12.2017   | 20.995,20                                                                      |
| 5200005977      | 31.08.2008   | 20.959,24                                                                      |
| 2764494         | 02.12.1991   | 20.914,49                                                                      |
| 2764457         | 30.11.1991   | -20.914,49                                                                     |
| 5200003400      | 31.05.2006   | -20.905,80                                                                     |
| 2709359         | 01.06.1995   | 20.814,72                                                                      |
| 2709358         | 31.05.1995   | -20.814,72                                                                     |
| 5200006831      | 31.05.2004   | -20.807,44                                                                     |
| 5200037348      | 31.12.2001   | 20.794,39                                                                      |
| 5200011636      | 31.05.2012   | -20.751,03                                                                     |
| 9515456542      | 12.12.2017   | 20.501,27                                                                      |
| 2788347         | 30.09.2000   | 20.464,40                                                                      |
| 2788348         | 02.10.2000   | -20.464,40                                                                     |
| 2703174         | 01.11.1994   | 20.443,20                                                                      |
| 2703173         | 31.10.1994   | -20.443,20                                                                     |
| 2763256         | 01.11.1991   | 20.397,06                                                                      |
| 2763220         | 31.10.1991   | -20.397,06                                                                     |
| 5200002576      | 31.03.2005   | 20.297,49                                                                      |
| 5200028530      | 31.10.2015   | 20.262,47                                                                      |
| 2750503         | 28.02.1998   | 20.249,43                                                                      |
| 2750504         | 02.03.1998   | -20.249,43                                                                     |
| 2705255         | 31.03.2001   | 20.201,84                                                                      |
| 2705256         | 01.04.2001   | -20.201,84                                                                     |
| 9515446100      | 07.12.2017   | 20.160,00                                                                      |
| 2746810         | 01.12.1997   | 20.153,99                                                                      |
| 2746809         | 30.11.1997   | -20.153,99                                                                     |
| 2700786         | 01.07.1994   | 20.136,85                                                                      |
| 2700785         | 30.06.1994   | -20.136,85                                                                     |
| 2775262         | 01.10.1999   | 20.094,95                                                                      |
| 2774420         | 01.09.1999   | -20.094,95                                                                     |
| 5200000159      | 30.04.2001   | 20.084,00                                                                      |
| 5200000332      | 01.05.2001   | -20.084,00                                                                     |
| 2787224         | 31.08.2000   | 20.083,95                                                                      |
| 2787225         | 01.09.2000   | -20.083,95                                                                     |
| 2785712         | 01.08.2000   | 20.070,37                                                                      |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 2785711         | 31.07.2000   | -20.070,37                                                                     |
| 2500001391      | 20.12.2017   | 20.018,82                                                                      |
| 5200023733      | 31.07.2017   | 19.873,26                                                                      |
| 2500000818      | 10.08.2017   | -19.873,26                                                                     |
| 5200015603      | 30.09.2011   | 19.798,61                                                                      |
| 9515356215      | 30.10.2017   | 19.782,00                                                                      |
| 5200036765      | 30.11.2001   | 19.745,04                                                                      |
| 5200036767      | 01.12.2001   | -19.745,04                                                                     |
| 5000001522      | 30.09.2017   | -19.741,70                                                                     |
| 5200002315      | 31.03.2009   | 19.619,77                                                                      |
| 2500002825      | 04.11.2008   | -19.607,06                                                                     |
| 2300000598      | 27.02.2017   | 19.603,72                                                                      |
| 2736393         | 03.03.1997   | 19.590,30                                                                      |
| 2736392         | 28.02.1997   | -19.590,30                                                                     |
| 5200031259      | 30.09.2017   | -19.577,59                                                                     |
| 9515057364      | 22.06.2017   | 19.526,40                                                                      |
| 2747981         | 31.12.1997   | 19.435,91                                                                      |
| 2747982         | 02.01.1998   | -19.435,91                                                                     |
| 2738664         | 30.04.1997   | 19.431,25                                                                      |
| 2738665         | 02.05.1997   | -19.431,25                                                                     |
| 2725932         | 02.09.1996   | 19.369,43                                                                      |
| 2725931         | 31.08.1996   | -19.369,43                                                                     |
| 9515478506      | 22.12.2017   | 19.260,00                                                                      |
| 2757709         | 01.09.1998   | 19.241,00                                                                      |
| 2757708         | 31.08.1998   | -19.241,00                                                                     |
| 2749252         | 31.01.1998   | 19.238,20                                                                      |
| 2749253         | 02.02.1998   | -19.238,20                                                                     |
| 5200002269      | 31.03.2008   | -19.209,19                                                                     |
| 2300000597      | 27.02.2017   | 19.205,90                                                                      |
| 2716720         | 31.12.1995   | 19.181,16                                                                      |
| 2715977         | 02.01.1996   | 19.181,16                                                                      |
| 2717063         | 02.01.1996   | 19.181,16                                                                      |
| 2715976         | 31.12.1995   | -19.181,16                                                                     |
| 2717062         | 31.12.1995   | -19.181,16                                                                     |
| 2716721         | 02.01.1996   | -19.181,16                                                                     |
| 2730562         | 31.12.1996   | 19.145,85                                                                      |
| 2730563         | 02.01.1997   | -19.145,85                                                                     |
| 2786946         | 31.08.2000   | 19.104,34                                                                      |
| 2786947         | 01.09.2000   | -19.104,34                                                                     |
| 2778976         | 31.01.2000   | 19.049,02                                                                      |
| 2778977         | 01.02.2000   | -19.049,02                                                                     |
| 5000001522      | 30.09.2017   | 19.019,47                                                                      |
| 5200005986      | 31.08.2008   | -18.989,34                                                                     |
| 2300000596      | 27.02.2017   | 18.942,67                                                                      |
| 2717634         | 01.02.1996   | 18.940,23                                                                      |
| 2717633         | 31.01.1996   | -18.940,23                                                                     |
| 5200012725      | 31.12.2004   | -18.810,42                                                                     |
| 5200007502      | 30.11.2010   | 18.800,71                                                                      |
| 5200002393      | 01.07.2001   | 18.745,62                                                                      |
| 5200002206      | 30.06.2001   | -18.745,62                                                                     |
| 5200004324      | 31.03.2002   | 18.632,93                                                                      |
| 5200015613      | 30.09.2011   | -18.601,58                                                                     |
| 5200005581      | 30.04.2004   | 18.592,45                                                                      |
| 5200004701      | 30.06.2005   | 18.568,63                                                                      |
| 5200041942      | 31.12.2017   | 18.522,50                                                                      |
| 5200041941      | 31.12.2017   | -18.522,50                                                                     |
| 2742112         | 31.07.1997   | 18.511,62                                                                      |
| 2742113         | 01.08.1997   | -18.511,62                                                                     |
| 2776003         | 01.08.1992   | 18.500,95                                                                      |
| 2775965         | 31.07.1992   | -18.500,95                                                                     |

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|-----------------|--------------|--------------------------------------------------------------------------------|
| 5000000679      | 29.05.2009   | 18.329,97                                                                      |
| 2782308         | 30.04.2000   | 18.277,86                                                                      |
| 2782309         | 02.05.2000   | -18.277,86                                                                     |
| 4000144915      | 29.05.2009   | -18.230,13                                                                     |
| 2761627         | 30.11.1998   | 18.203,53                                                                      |
| 2761628         | 01.12.1998   | -18.203,53                                                                     |
| 2772179         | 31.07.1999   | 18.158,00                                                                      |
| 2772180         | 02.08.1999   | -18.158,00                                                                     |
| 2718939         | 01.03.1996   | 18.127,08                                                                      |
| 2718938         | 29.02.1996   | -18.127,08                                                                     |
| 5200017832      | 31.07.2014   | 18.082,18                                                                      |
| 6000216053      | 14.07.2017   | -17.975,52                                                                     |
| 6000252175      | 15.08.2017   | -17.975,52                                                                     |
| 6000284333      | 14.09.2017   | -17.975,52                                                                     |
| 6000322469      | 13.10.2017   | -17.975,52                                                                     |
| 6000356487      | 13.11.2017   | -17.975,52                                                                     |
| 6000394508      | 13.12.2017   | -17.975,52                                                                     |
| 6000147979      | 16.05.2017   | -17.974,44                                                                     |
| 6000180757      | 14.06.2017   | -17.974,44                                                                     |
| 6000216052      | 14.07.2017   | -17.974,44                                                                     |
| 6000252174      | 15.08.2017   | -17.974,44                                                                     |
| 6000284332      | 14.09.2017   | -17.974,44                                                                     |
| 6000322462      | 13.10.2017   | -17.974,44                                                                     |
| 6000356479      | 13.11.2017   | -17.974,44                                                                     |
| 6000394525      | 13.12.2017   | -17.974,44                                                                     |
| 2642022         | 31.05.1996   | 17.959,79                                                                      |
| 2642023         | 03.06.1996   | -17.959,79                                                                     |
| 5200008115      | 30.11.2008   | -17.952,85                                                                     |
| 5200001292      | 28.02.2006   | 17.908,09                                                                      |
| 2754029         | 02.06.1998   | 17.903,48                                                                      |
| 2754028         | 31.05.1998   | -17.903,48                                                                     |
| 5200005228      | 31.07.2008   | 17.881,43                                                                      |
| 2756507         | 03.08.1998   | 17.875,33                                                                      |
| 2756506         | 31.07.1998   | -17.875,33                                                                     |
| 5200001993      | 01.06.2001   | 17.857,81                                                                      |
| 5200001814      | 31.05.2001   | -17.857,81                                                                     |
| 2737516         | 31.03.1997   | 17.841,05                                                                      |
| 2737517         | 01.04.1997   | -17.841,05                                                                     |
| 2707666         | 03.04.1995   | 17.831,02                                                                      |
| 2707665         | 31.03.1995   | -17.831,02                                                                     |
| 5200010780      | 31.10.2001   | 17.777,26                                                                      |
| 5200010929      | 01.11.2001   | -17.777,26                                                                     |
| 5200019883      | 31.12.2011   | 17.735,46                                                                      |
| 2743192         | 01.09.1997   | 17.702,07                                                                      |
| 2743191         | 31.08.1997   | -17.702,07                                                                     |
| 9515337135      | 20.10.2017   | 17.673,52                                                                      |
| 2765468         | 01.03.1999   | 17.668,88                                                                      |
| 2765467         | 28.02.1999   | -17.668,88                                                                     |
| 2782299         | 02.05.2000   | 17.608,75                                                                      |
| 2782298         | 30.04.2000   | -17.608,75                                                                     |
| 2703694         | 28.02.2001   | 17.606,96                                                                      |
| 2703695         | 01.03.2001   | -17.606,96                                                                     |
| 5200008395      | 31.12.2009   | 17.589,62                                                                      |
| 5200003802      | 31.05.2009   | 17.537,66                                                                      |
| 5200007222      | 31.03.2015   | 17.509,77                                                                      |
| 2755117         | 30.06.1998   | 17.480,66                                                                      |
| 2755118         | 01.07.1998   | -17.480,66                                                                     |
| 2721197         | 30.04.1996   | 17.438,05                                                                      |
| 2721198         | 02.05.1996   | -17.438,05                                                                     |
| 5200019019      | 30.11.2011   | 17.422,72                                                                      |

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## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 2743198         | 01.09.1997   | 17.263,15                                                                      |
| 2743197         | 31.08.1997   | -17.263,15                                                                     |
| 5200000322      | 01.05.2001   | 17.261,78                                                                      |
| 5200000149      | 30.04.2001   | -17.261,78                                                                     |
| 2705767         | 01.02.1995   | 17.233,99                                                                      |
| 2705766         | 31.01.1995   | -17.233,99                                                                     |
| 5200005972      | 31.08.2008   | -17.046,80                                                                     |
| 2740862         | 30.06.1997   | 17.037,22                                                                      |
| 2740863         | 01.07.1997   | -17.037,22                                                                     |
| 2781365         | 31.03.2000   | 16.972,49                                                                      |
| 2781366         | 03.04.2000   | -16.972,49                                                                     |
| 5200005930      | 01.10.2001   | 16.938,08                                                                      |
| 5200005771      | 30.09.2001   | -16.938,08                                                                     |
| 5200001790      | 28.02.2005   | -16.922,42                                                                     |
| 2755123         | 30.06.1998   | 16.875,44                                                                      |
| 2755124         | 01.07.1998   | -16.875,44                                                                     |
| 5200031366      | 30.11.2015   | 16.780,59                                                                      |
| 2783524         | 31.05.2000   | 16.770,77                                                                      |
| 2783525         | 05.06.2000   | -16.770,77                                                                     |
| 2789169         | 31.10.2000   | 16.756,68                                                                      |
| 2789170         | 01.11.2000   | -16.756,68                                                                     |
| 2762893         | 04.01.1999   | 16.745,14                                                                      |
| 2762892         | 31.12.1998   | -16.745,14                                                                     |
| 2751817         | 31.03.1998   | 16.685,84                                                                      |
| 2751818         | 01.04.1998   | -16.685,84                                                                     |
| 2702581         | 31.01.2001   | 16.667,91                                                                      |
| 2702582         | 01.02.2001   | -16.667,91                                                                     |
| 6000002596      | 05.01.2009   | -16.629,50                                                                     |
| 2704036         | 28.02.2001   | 16.559,48                                                                      |
| 2704037         | 01.03.2001   | -16.559,48                                                                     |
| 5000001522      | 30.09.2017   | 16.534,32                                                                      |
| 2752907         | 04.05.1998   | 16.488,82                                                                      |
| 2752906         | 30.04.1998   | -16.488,82                                                                     |
| 5200007509      | 30.11.2010   | -16.465,80                                                                     |
| 2786945         | 01.09.2000   | 16.449,02                                                                      |
| 2786944         | 31.08.2000   | -16.449,02                                                                     |
| 5200006028      | 30.09.2001   | 16.424,46                                                                      |
| 5200006036      | 01.10.2001   | -16.424,46                                                                     |
| 2702919         | 31.01.2001   | 16.314,22                                                                      |
| 2702920         | 01.02.2001   | -16.314,22                                                                     |
| 5200005473      | 31.08.2001   | 16.314,20                                                                      |
| 5200005483      | 01.09.2001   | -16.314,20                                                                     |
| 5200019031      | 30.11.2011   | -16.163,38                                                                     |
| 2562297         | 31.12.1996   | 16.130,83                                                                      |
| 2562298         | 02.01.1997   | -16.130,83                                                                     |
| 2715099         | 01.12.1995   | 16.111,30                                                                      |
| 2715098         | 30.11.1995   | -16.111,30                                                                     |
| 2774621         | 01.07.1992   | 16.107,43                                                                      |
| 2774584         | 30.06.1992   | -16.107,43                                                                     |
| 2747983         | 31.12.1997   | 16.049,97                                                                      |
| 2747984         | 02.01.1998   | -16.049,97                                                                     |
| 2750507         | 28.02.1998   | 16.048,29                                                                      |
| 2750508         | 02.03.1998   | -16.048,29                                                                     |
| 5200003728      | 28.02.2014   | 16.042,04                                                                      |
| 2766930         | 31.03.1999   | 16.014,15                                                                      |
| 2766931         | 01.04.1999   | -16.014,15                                                                     |
| 2719998         | 01.04.1996   | 15.994,87                                                                      |
| 2719997         | 31.03.1996   | -15.994,87                                                                     |
| 5200008551      | 31.12.2008   | -15.985,70                                                                     |
| 5200001678      | 28.02.2009   | -15.963,40                                                                     |

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|-----------------|--------------|--------------------------------------------------------------------------------|
| 2780175         | 01.03.2000   | 15.938,84                                                                      |
| 2780174         | 29.02.2000   | -15.938,84                                                                     |
| 2782592         | 30.04.2000   | 15.911,74                                                                      |
| 2782593         | 02.05.2000   | -15.911,74                                                                     |
| 2710302         | 03.07.1995   | 15.755,06                                                                      |
| 2710301         | 30.06.1995   | -15.755,06                                                                     |
| 9515361841      | 01.12.2017   | 15.552,00                                                                      |
| 9515361842      | 01.12.2017   | 15.552,00                                                                      |
| 2780208         | 29.02.2000   | 15.438,54                                                                      |
| 2780209         | 01.03.2000   | -15.438,54                                                                     |
| 2784585         | 30.06.2000   | 15.378,15                                                                      |
| 2784586         | 03.07.2000   | -15.378,15                                                                     |
| 5200020682      | 31.07.2013   | -15.359,99                                                                     |
| 2785721         | 31.07.2000   | 15.254,11                                                                      |
| 2785722         | 01.08.2000   | -15.254,11                                                                     |
| 5200010355      | 31.08.2002   | -15.238,09                                                                     |
| 5200001934      | 31.03.2006   | -15.178,18                                                                     |
| 2711251         | 01.08.1995   | 15.163,49                                                                      |
| 2711250         | 31.07.1995   | -15.163,49                                                                     |
| 5200010521      | 30.09.2004   | -15.141,85                                                                     |
| 2786023         | 31.07.2000   | 15.055,59                                                                      |
| 2786024         | 01.08.2000   | -15.055,59                                                                     |
| 5200022448      | 31.08.2015   | -15.045,03                                                                     |
| 5200031358      | 30.11.2015   | 14.978,78                                                                      |
| 2727097         | 30.09.1996   | 14.978,18                                                                      |
| 2727098         | 01.10.1996   | -14.978,18                                                                     |
| 2705779         | 01.02.1995   | 14.911,55                                                                      |
| 2705778         | 31.01.1995   | -14.911,55                                                                     |
| 5200000837      | 31.01.2010   | 14.854,99                                                                      |
| 9515443700      | 06.12.2017   | 14.804,66                                                                      |
| 6000260069      | 14.08.2009   | -14.730,56                                                                     |
| 5200033427      | 31.12.2015   | -14.697,03                                                                     |
| 5200009267      | 30.04.2014   | -14.631,30                                                                     |
| 5200011455      | 30.04.2015   | -14.610,82                                                                     |
| 5200025985      | 30.09.2013   | -14.604,15                                                                     |
| 2779010         | 31.01.2000   | 14.582,67                                                                      |
| 2779011         | 01.02.2000   | -14.582,67                                                                     |
| 5200019772      | 31.08.2012   | -14.580,10                                                                     |
| 2701719         | 31.12.2000   | 14.578,97                                                                      |
| 2701720         | 01.01.2001   | -14.578,97                                                                     |
| 5200031278      | 30.11.2013   | -14.550,43                                                                     |
| 9515450129      | 08.12.2017   | 14.492,24                                                                      |
| 5100094838      | 30.09.2015   | 14.451,68                                                                      |
| 5200008542      | 31.12.2008   | -14.451,13                                                                     |
| 2729477         | 30.11.1996   | 14.435,09                                                                      |
| 2729478         | 02.12.1996   | -14.435,09                                                                     |
| 5000001522      | 30.09.2017   | -14.208,27                                                                     |
| 5200002279      | 31.03.2008   | -14.190,81                                                                     |
| 5200003468      | 31.03.2003   | -14.130,42                                                                     |
| 9515395162      | 01.12.2017   | 14.126,40                                                                      |
| 5200007229      | 31.03.2015   | -14.119,33                                                                     |
| 2783828         | 31.05.2000   | 14.118,20                                                                      |
| 2783829         | 05.06.2000   | -14.118,20                                                                     |
| 2772171         | 31.07.1999   | 14.064,62                                                                      |
| 2772172         | 02.08.1999   | -14.064,62                                                                     |
| 2761626         | 01.12.1998   | 13.993,07                                                                      |
| 2761625         | 30.11.1998   | -13.993,07                                                                     |
| 2700384         | 01.06.1994   | 13.985,74                                                                      |
| 2700383         | 31.05.1994   | -13.985,74                                                                     |
| 2643406         | 30.06.1996   | 13.905,69                                                                      |

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## Annex 7.2

## Receivables and financial assets Healthcare

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|-----------------|--------------|--------------------------------------------------------------------------------|
| 2643407         | 01.07.1996   | -13.905,69                                                                     |
| 2757705         | 01.09.1998   | 13.903,40                                                                      |
| 2757704         | 31.08.1998   | -13.903,40                                                                     |
| 5200001438      | 28.02.2007   | -13.869,03                                                                     |
| 5000001586      | 31.12.2014   | 13.824,87                                                                      |
| 2782307         | 02.05.2000   | 13.801,47                                                                      |
| 2782306         | 30.04.2000   | -13.801,47                                                                     |
| 5200005642      | 30.04.2011   | -13.738,15                                                                     |
| 5200031365      | 30.11.2015   | -13.627,05                                                                     |
| 9515420129      | 27.11.2017   | 13.614,54                                                                      |
| 5200006683      | 30.09.2008   | -13.595,86                                                                     |
| 5200036632      | 01.12.2001   | 13.572,80                                                                      |
| 5200036448      | 30.11.2001   | -13.572,80                                                                     |
| 9515448935      | 08.12.2017   | 13.572,00                                                                      |
| 2786950         | 31.08.2000   | 13.521,13                                                                      |
| 2786951         | 01.09.2000   | -13.521,13                                                                     |
| 9515361840      | 01.12.2017   | 13.478,40                                                                      |
| 5200007620      | 31.07.2003   | 13.474,05                                                                      |
| 5000000938      | 31.07.2016   | 13.422,50                                                                      |
| 5200002285      | 31.03.2008   | 13.410,96                                                                      |
| 2747980         | 02.01.1998   | 13.368,20                                                                      |
| 2747979         | 31.12.1997   | -13.368,20                                                                     |
| 2701317         | 01.08.1994   | 13.339,22                                                                      |
| 2701316         | 31.07.1994   | -13.339,22                                                                     |
| 5200007227      | 31.03.2015   | 13.333,08                                                                      |
| 2752901         | 04.05.1998   | 13.317,39                                                                      |
| 2752900         | 30.04.1998   | -13.317,39                                                                     |
| 2700368         | 30.11.2000   | 13.272,41                                                                      |
| 2700369         | 01.12.2000   | -13.272,41                                                                     |
| 6000002407      | 06.01.2009   | 13.261,71                                                                      |
| 2786912         | 31.08.2000   | 13.241,68                                                                      |
| 2786913         | 01.09.2000   | -13.241,68                                                                     |
| 2785720         | 01.08.2000   | 13.235,52                                                                      |
| 2785719         | 31.07.2000   | -13.235,52                                                                     |
| 5200001580      | 28.02.2009   | 13.226,81                                                                      |
| 5200002783      | 30.04.2007   | -13.178,59                                                                     |
| 2713177         | 02.10.1995   | 13.148,95                                                                      |
| 2713176         | 30.09.1995   | -13.148,95                                                                     |
| 9515442382      | 06.12.2017   | 13.145,50                                                                      |
| 5200019753      | 31.07.2015   | 13.136,72                                                                      |
| 9515448934      | 08.12.2017   | 13.132,80                                                                      |
| 5200023176      | 30.09.2014   | 13.124,70                                                                      |
| 2717659         | 31.01.1996   | 13.119,51                                                                      |
| 2717660         | 01.02.1996   | -13.119,51                                                                     |
| 6000040096      | 31.01.2011   | -13.100,87                                                                     |
| 5000002319      | 31.12.2017   | -13.077,69                                                                     |
| 5000002229      | 31.12.2017   | 13.025,78                                                                      |
| 5000002229      | 31.12.2017   | 12.993,69                                                                      |
| 2789874         | 02.05.1994   | 12.940,41                                                                      |
| 2789873         | 30.04.1994   | -12.940,41                                                                     |
| 5200022451      | 31.08.2015   | -12.933,14                                                                     |
| 2769275         | 31.05.1999   | 12.823,64                                                                      |
| 2769276         | 01.06.1999   | -12.823,64                                                                     |
| 5200006676      | 30.09.2008   | 12.819,78                                                                      |
| 5200007556      | 30.11.2007   | -12.701,74                                                                     |
| 5200032035      | 30.11.2016   | 12.701,03                                                                      |
| 2300002621      | 09.10.2017   | 12.677,99                                                                      |
| 2783523         | 05.06.2000   | 12.663,96                                                                      |
| 2783522         | 31.05.2000   | -12.663,96                                                                     |
| 5200004294      | 31.03.2004   | 12.630,22                                                                      |

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 5200005654      | 30.04.2011   | 12.582,16                                                                      |
| 5200004303      | 31.03.2004   | 12.569,27                                                                      |
| 2743199         | 31.08.1997   | 12.557,30                                                                      |
| 2743200         | 01.09.1997   | -12.557,30                                                                     |
| 5200000317      | 01.05.2001   | 12.537,32                                                                      |
| 5200000144      | 30.04.2001   | -12.537,32                                                                     |
| 5200033419      | 31.12.2015   | -12.387,28                                                                     |
| 2784887         | 30.06.2000   | 12.381,30                                                                      |
| 2784888         | 03.07.2000   | -12.381,30                                                                     |
| 5200011458      | 30.04.2015   | -12.376,81                                                                     |
| 2782314         | 30.04.2000   | 12.376,28                                                                      |
| 2782315         | 02.05.2000   | -12.376,28                                                                     |
| 5200033546      | 31.12.2013   | -12.304,58                                                                     |
| 5000002229      | 31.12.2017   | 12.298,99                                                                      |
| 5200017314      | 31.10.2011   | -12.277,52                                                                     |
| 2784555         | 30.06.2000   | 12.251,61                                                                      |
| 2784556         | 03.07.2000   | -12.251,61                                                                     |
| 5200007889      | 31.03.2016   | -12.248,97                                                                     |
| 2781356         | 03.04.2000   | 12.201,67                                                                      |
| 2781355         | 31.03.2000   | -12.201,67                                                                     |
| 2740874         | 30.06.1997   | 12.190,05                                                                      |
| 2740875         | 01.07.1997   | -12.190,05                                                                     |
| 5200025781      | 31.10.2014   | 12.187,24                                                                      |
| 2500001410      | 27.12.2017   | 12.153,89                                                                      |
| 2777806         | 31.12.1999   | 12.126,73                                                                      |
| 2777807         | 03.01.2000   | -12.126,73                                                                     |
| 5200008406      | 31.12.2009   | -12.054,47                                                                     |
| 5200012726      | 31.12.2004   | 12.047,67                                                                      |
| 5200006892      | 31.10.2007   | -12.042,79                                                                     |
| 5200005522      | 31.08.2010   | 11.994,48                                                                      |
| 5200008924      | 31.07.2004   | 11.967,79                                                                      |
| 5200001559      | 29.02.2008   | -11.964,40                                                                     |
| 2789376         | 05.04.1994   | 11.960,20                                                                      |
| 2789375         | 31.03.1994   | -11.960,20                                                                     |
| 2300002175      | 19.07.2016   | 11.928,00                                                                      |
| 2667408         | 01.05.1993   | 11.869,18                                                                      |
| 2667407         | 30.04.1993   | -11.869,18                                                                     |
| 2764501         | 02.12.1991   | 11.868,07                                                                      |
| 2764464         | 30.11.1991   | -11.868,07                                                                     |
| 5000002319      | 31.12.2017   | 11.839,12                                                                      |
| 2781643         | 31.03.2000   | 11.814,48                                                                      |
| 2781644         | 03.04.2000   | -11.814,48                                                                     |
| 5200007074      | 28.02.2013   | 11.800,73                                                                      |
| 5200033426      | 31.12.2015   | 11.788,84                                                                      |
| 5200017051      | 31.05.2017   | -11.777,28                                                                     |
| 2754025         | 02.06.1998   | 11.769,90                                                                      |
| 2754024         | 31.05.1998   | -11.769,90                                                                     |
| 2702469         | 04.10.1994   | 11.757,27                                                                      |
| 2702468         | 30.09.1994   | -11.757,27                                                                     |
| 2722329         | 31.05.1996   | 11.646,69                                                                      |
| 2722330         | 03.06.1996   | -11.646,69                                                                     |
| 2773182         | 01.06.1992   | 11.638,60                                                                      |
| 2773144         | 31.05.1992   | -11.638,60                                                                     |
| 2643405         | 01.07.1996   | 11.614,33                                                                      |
| 2643404         | 30.06.1996   | -11.614,33                                                                     |
| 5200007894      | 31.03.2016   | 11.599,09                                                                      |
| 5200008642      | 31.12.2008   | -11.584,19                                                                     |
| 5000002229      | 31.12.2017   | 11.574,55                                                                      |
| 5200017099      | 30.06.2015   | 11.565,70                                                                      |
| 5000000853      | 01.07.2016   | 11.563,98                                                                      |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 5000000853      | 01.07.2016   | 11.563,98                                                                      |
| 5000000980      | 11.08.2016   | 11.563,98                                                                      |
| 5000000980      | 11.08.2016   | 11.563,98                                                                      |
| 5000000828      | 30.06.2014   | -11.563,98                                                                     |
| 5000000828      | 30.06.2014   | -11.563,98                                                                     |
| 5000000853      | 01.07.2016   | -11.563,98                                                                     |
| 5000000853      | 01.07.2016   | -11.563,98                                                                     |
| 2784584         | 03.07.2000   | 11.546,35                                                                      |
| 2784583         | 30.06.2000   | -11.546,35                                                                     |
| 2704888         | 01.04.2001   | 11.523,67                                                                      |
| 2704887         | 31.03.2001   | -11.523,67                                                                     |
| 5200006893      | 31.10.2007   | 11.518,33                                                                      |
| 5200006680      | 30.09.2008   | 11.500,31                                                                      |
| 2642021         | 03.06.1996   | 11.424,65                                                                      |
| 2642020         | 31.05.1996   | -11.424,65                                                                     |
| 5200032038      | 30.11.2016   | -11.336,79                                                                     |
| 5200017054      | 31.05.2017   | -11.308,88                                                                     |
| 5200023183      | 30.09.2014   | -11.303,20                                                                     |
| 5200029011      | 31.10.2016   | 11.237,60                                                                      |
| 2781364         | 03.04.2000   | 11.202,88                                                                      |
| 2781363         | 31.03.2000   | -11.202,88                                                                     |
| 2755127         | 30.06.1998   | 11.141,76                                                                      |
| 2755128         | 01.07.1998   | -11.141,76                                                                     |
| 2500002823      | 04.11.2008   | -11.111,91                                                                     |
| 5000001897      | 30.11.2017   | 11.087,28                                                                      |
| 5000000815      | 30.06.2016   | 11.074,07                                                                      |
| 2770575         | 30.06.1999   | 11.053,40                                                                      |
| 2770576         | 01.07.1999   | -11.053,40                                                                     |
| 5200006000      | 30.09.2006   | 11.042,59                                                                      |
| 5200023734      | 31.07.2017   | -11.037,36                                                                     |
| 5200006434      | 31.03.2014   | 11.014,90                                                                      |
| 5200037167      | 31.12.2001   | -11.010,46                                                                     |
| 5200004060      | 01.08.2001   | 11.008,06                                                                      |
| 5200003906      | 31.07.2001   | -11.008,06                                                                     |
| 5200003094      | 30.04.2008   | 11.005,45                                                                      |
| 5200017327      | 31.10.2011   | 10.953,77                                                                      |
| 5200001517      | 28.02.2010   | 10.886,06                                                                      |
| 5200006598      | 30.09.2009   | -10.872,91                                                                     |
| 5200021774      | 30.09.2012   | -10.835,54                                                                     |
| 5200011460      | 30.04.2015   | 10.828,51                                                                      |
| 2706440         | 01.03.1995   | 10.819,78                                                                      |
| 2706439         | 28.02.1995   | -10.819,78                                                                     |
| 5200031369      | 30.11.2015   | 10.775,16                                                                      |
| 5200013894      | 31.05.2016   | 10.774,22                                                                      |
| 6000301013      | 27.09.2013   | 10.770,86                                                                      |
| 5200000832      | 31.01.2009   | 10.769,89                                                                      |
| 2785691         | 31.07.2000   | 10.765,94                                                                      |
| 2785692         | 01.08.2000   | -10.765,94                                                                     |
| 2648851         | 01.11.1996   | 10.751,30                                                                      |
| 2648850         | 31.10.1996   | -10.751,30                                                                     |
| 2766934         | 31.03.1999   | 10.743,35                                                                      |
| 2766935         | 01.04.1999   | -10.743,35                                                                     |
| 5200008774      | 31.08.2003   | -10.727,12                                                                     |
| 5200005533      | 31.08.2010   | -10.715,39                                                                     |
| 2701838         | 01.09.1994   | 10.713,85                                                                      |
| 2701837         | 31.08.1994   | -10.713,85                                                                     |
| 5200009764      | 31.03.2013   | 10.706,67                                                                      |
| 5200012616      | 30.04.2013   | -10.681,04                                                                     |
| 2714053         | 01.11.1995   | 10.611,85                                                                      |
| 2714052         | 31.10.1995   | -10.611,85                                                                     |

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 2500001271      | 31.07.2013   | 10.606,70                                                                      |
| 5200005319      | 01.09.2001   | 10.568,31                                                                      |
| 5200005165      | 31.08.2001   | -10.568,31                                                                     |
| 2767275         | 03.02.1992   | 10.566,38                                                                      |
| 2767238         | 31.01.1992   | -10.566,38                                                                     |
| 2500001168      | 14.11.2017   | 10.550,34                                                                      |
| 2760294         | 02.11.1998   | 10.394,43                                                                      |
| 2760293         | 31.10.1998   | -10.394,43                                                                     |
| 2752908         | 30.04.1998   | 10.375,43                                                                      |
| 2752909         | 04.05.1998   | -10.375,43                                                                     |
| 2750502         | 02.03.1998   | 10.338,17                                                                      |
| 2750501         | 28.02.1998   | -10.338,17                                                                     |
| 5200006689      | 30.09.2008   | -10.220,99                                                                     |
| 5200022444      | 31.08.2015   | -10.174,40                                                                     |
| 2703700         | 28.02.2001   | 10.126,65                                                                      |
| 2703701         | 01.03.2001   | -10.126,65                                                                     |
| 6000025800      | 23.01.2012   | -10.115,31                                                                     |
| 2780207         | 01.03.2000   | 10.105,91                                                                      |
| 2780206         | 29.02.2000   | -10.105,91                                                                     |
| 2779003         | 01.02.2000   | 10.099,62                                                                      |
| 2779002         | 31.01.2000   | -10.099,62                                                                     |
| 2763986         | 01.02.1999   | 10.077,54                                                                      |
| 2763985         | 31.01.1999   | -10.077,54                                                                     |
| 5200021784      | 30.09.2012   | 10.071,06                                                                      |
| 9515440236      | 05.12.2017   | 10.056,76                                                                      |
| 2780506         | 29.02.2000   | 10.050,60                                                                      |
| 2780507         | 01.03.2000   | -10.050,60                                                                     |
| 2701411         | 31.12.2000   | 10.024,01                                                                      |
| 2701412         | 01.01.2001   | -10.024,01                                                                     |
| 5200017323      | 31.10.2011   | 10.016,22                                                                      |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## III. Other receivables from affiliated companies attributable to the Operating Unit Healthcare

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 5000002057      | 20.12.2017 | 16.666.666,67                                                                          |
| 5000002058      | 20.12.2017 | 16.666.666,67                                                                          |
| 5000002054      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002055      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002056      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002059      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002069      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002060      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002061      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002062      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002063      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002064      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002065      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002066      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002067      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002068      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002070      | 20.12.2017 | 3.333.333,33                                                                           |
| 5200042076      | 31.12.2017 | 1.641.933,45                                                                           |
| 5800000803      | 31.12.2017 | 213.699,92                                                                             |
| 5200042122      | 31.12.2017 | 207.631,97                                                                             |
| 5200042133      | 31.12.2017 | 200.510,32                                                                             |
| 6000370163      | 04.11.2016 | 200.000,00                                                                             |
| 5200042134      | 31.12.2017 | 147.759,27                                                                             |
| 5200042120      | 31.12.2017 | 138.170,03                                                                             |
| 5200042138      | 31.12.2017 | 128.552,70                                                                             |
| 5200007240      | 31.03.2015 | 122.632,18                                                                             |
| 5200042101      | 31.12.2017 | 116.708,11                                                                             |
| 5000002496      | 31.12.2017 | -116.708,11                                                                            |
| 5200042143      | 31.12.2017 | 113.895,96                                                                             |
| 5200011470      | 30.04.2015 | 109.138,06                                                                             |
| 4500002345      | 12.12.2014 | 97.433,63                                                                              |
| 5200028457      | 30.11.2014 | -97.433,63                                                                             |
| 5200042139      | 31.12.2017 | 97.020,25                                                                              |
| 5200042111      | 31.12.2017 | 90.467,55                                                                              |
| 5200011470      | 30.04.2015 | -89.770,04                                                                             |
| 5200042135      | 31.12.2017 | 73.418,39                                                                              |
| 4500000678      | 17.04.2015 | -73.044,29                                                                             |
| 5200042141      | 31.12.2017 | 66.658,86                                                                              |
| 5200042066      | 31.12.2017 | 57.380,48                                                                              |
| 5200004004      | 28.02.2015 | 54.474,33                                                                              |
| 4500000575      | 10.03.2015 | -54.474,33                                                                             |
| 5000002496      | 31.12.2017 | -51.683,67                                                                             |
| 5200014336      | 31.05.2015 | -46.237,92                                                                             |
| 5200042061      | 31.12.2017 | 45.667,71                                                                              |
| 5200042132      | 31.12.2017 | 40.838,31                                                                              |
| 5000002496      | 31.12.2017 | -38.949,21                                                                             |
| 4500002063      | 11.11.2014 | 38.392,60                                                                              |
| 5200025805      | 31.10.2014 | -38.392,60                                                                             |
| 5200006155      | 30.09.2010 | -37.689,02                                                                             |
| 5200009214      | 31.05.2011 | 35.391,01                                                                              |
| 5200042062      | 31.12.2017 | 35.000,00                                                                              |
| 5200007510      | 30.11.2010 | 32.603,96                                                                              |
| 5800000807      | 31.12.2017 | 32.396,28                                                                              |
| 5800000804      | 31.12.2017 | 32.232,52                                                                              |
| 4000206357      | 28.06.2017 | 30.881,51                                                                              |
| 4500001383      | 14.08.2015 | 30.800,87                                                                              |
| 5200019763      | 31.07.2015 | -30.800,87                                                                             |
| 5200042070      | 31.12.2017 | 29.214,73                                                                              |

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 5000002496      | 31.12.2017 | -29.214,73                                                                             |
| 5200042078      | 31.12.2017 | 27.680,30                                                                              |
| 4500001247      | 27.06.2012 | 27.506,87                                                                              |
| 5200011648      | 31.05.2012 | -27.506,87                                                                             |
| 4500001355      | 27.08.2013 | 27.297,34                                                                              |
| 5200020698      | 31.07.2013 | -27.297,34                                                                             |
| 5200042106      | 31.12.2017 | 27.151,56                                                                              |
| 5200002377      | 28.02.2011 | 25.924,70                                                                              |
| 5200003921      | 31.03.2011 | -24.845,33                                                                             |
| 5200006831      | 31.10.2010 | -24.560,62                                                                             |
| 5200042115      | 31.12.2017 | 24.443,19                                                                              |
| 5200042068      | 31.12.2017 | 24.290,47                                                                              |
| 5200042121      | 31.12.2017 | 23.250,40                                                                              |
| 5200042112      | 31.12.2017 | 23.201,06                                                                              |
| 4500000916      | 13.06.2013 | 22.992,97                                                                              |
| 5200015216      | 31.05.2013 | -22.992,97                                                                             |
| 4500001017      | 26.06.2015 | -22.717,99                                                                             |
| 4500000412      | 20.02.2014 | 22.581,32                                                                              |
| 5200001050      | 31.01.2014 | -22.581,32                                                                             |
| 5200042137      | 31.12.2017 | 22.466,08                                                                              |
| 4500002328      | 23.12.2013 | 22.137,92                                                                              |
| 5200031291      | 30.11.2013 | -22.137,92                                                                             |
| 5200015622      | 30.09.2011 | -21.081,35                                                                             |
| 5000002496      | 31.12.2017 | -20.687,75                                                                             |
| 4500001220      | 09.07.2015 | 19.694,96                                                                              |
| 5200017107      | 30.06.2015 | -19.694,96                                                                             |
| 4500001789      | 10.10.2014 | 19.501,96                                                                              |
| 5200023197      | 30.09.2014 | -19.501,96                                                                             |
| 5200005661      | 30.04.2011 | -19.438,46                                                                             |
| 5000002296      | 31.12.2017 | 18.779,20                                                                              |
| 5200042116      | 31.12.2017 | 17.038,53                                                                              |
| 5800000818      | 31.12.2017 | 17.010,08                                                                              |
| 5200042130      | 31.12.2017 | 16.450,49                                                                              |
| 5200042114      | 31.12.2017 | 16.284,67                                                                              |
| 5200006448      | 31.03.2014 | 16.161,24                                                                              |
| 4500000894      | 30.04.2014 | -16.161,24                                                                             |
| 4500001596      | 11.10.2013 | 15.667,03                                                                              |
| 5200026007      | 30.09.2013 | -15.667,03                                                                             |
| 5200013991      | 31.08.2011 | -15.062,53                                                                             |
| 4500001701      | 15.09.2014 | 14.539,98                                                                              |
| 5200020553      | 31.08.2014 | -14.539,98                                                                             |
| 5000002496      | 31.12.2017 | -14.323,78                                                                             |
| 5200012389      | 31.07.2011 | 13.901,04                                                                              |
| 4500001330      | 29.06.2011 | 13.884,82                                                                              |
| 5200042113      | 31.12.2017 | 13.614,58                                                                              |
| 5200004894      | 31.07.2010 | -13.506,00                                                                             |
| 4500002330      | 21.10.2011 | 12.342,75                                                                              |
| 4500002000      | 21.09.2011 | 11.286,61                                                                              |
| 5200042142      | 31.12.2017 | 11.105,62                                                                              |
| 4500001212      | 30.06.2014 | 10.946,34                                                                              |
| 5200011940      | 31.05.2014 | -10.946,34                                                                             |
| 5200042065      | 31.12.2017 | 10.816,49                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**Annex 7.2**  
Receivables and financial assets Healthcare

**IV. Other receivables from third-party companies attributable to the Operating Unit Healthcare**

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 4600001085      | 29.12.2017 | 5.528.101,18                                                                           |
| 5200042080      | 31.12.2017 | 3.453.778,73                                                                           |
| 4500002399      | 20.12.2017 | 2.142.000,00                                                                           |
| 4500002461      | 28.12.2017 | 1.309.000,00                                                                           |
| 4500002461      | 28.12.2017 | 1.309.000,00                                                                           |
| 5200042081      | 31.12.2017 | 756.338,69                                                                             |
| 4500002461      | 28.12.2017 | -360.629,02                                                                            |
| 4500002461      | 28.12.2017 | 327.250,00                                                                             |
| 4300292104      | 05.12.2017 | 278.281,34                                                                             |
| 5200007514      | 30.06.2002 | -130.133,11                                                                            |
| 4300308313      | 20.12.2017 | 128.451,50                                                                             |
| 5200000847      | 31.01.2009 | 116.742,75                                                                             |
| 6000390246      | 12.12.2017 | 113.526,00                                                                             |
| 5200001619      | 31.01.2002 | 104.251,23                                                                             |
| 5200001782      | 01.02.2002 | -104.251,23                                                                            |
| 5200008568      | 31.12.2008 | -102.439,87                                                                            |
| 5200002321      | 31.03.2009 | -93.100,62                                                                             |
| 4300258809      | 30.10.2017 | 85.726,90                                                                              |
| 5000000870      | 30.06.2002 | 83.321,44                                                                              |
| 5000000873      | 30.06.2002 | -83.321,44                                                                             |
| 4000100010      | 30.09.2002 | 81.647,34                                                                              |
| 5200037255      | 31.12.2001 | 81.624,58                                                                              |
| 4500004016      | 01.07.2002 | 78.578,87                                                                              |
| 6000382137      | 05.12.2017 | 78.000,00                                                                              |
| 6000383194      | 05.12.2017 | 74.830,50                                                                              |
| 6000382137      | 05.12.2017 | 73.125,00                                                                              |
| 5200010163      | 30.09.2003 | -69.652,18                                                                             |
| 5200007443      | 31.10.2008 | 67.973,38                                                                              |
| 5200006855      | 31.05.2002 | -67.049,76                                                                             |
| 5200005384      | 01.09.2001 | 66.670,95                                                                              |
| 5200005230      | 31.08.2001 | -66.670,95                                                                             |
| 6000364946      | 21.11.2017 | 66.666,00                                                                              |
| 5200005623      | 30.04.2002 | -66.604,25                                                                             |
| 5200005995      | 01.10.2001 | 65.680,66                                                                              |
| 5200005836      | 30.09.2001 | -65.680,66                                                                             |
| 5200002901      | 28.02.2002 | 63.954,86                                                                              |
| 5200003075      | 01.03.2002 | -63.954,86                                                                             |
| 2714111         | 01.11.1995 | 62.542,91                                                                              |
| 2714110         | 31.10.1995 | -62.542,91                                                                             |
| 6000166980      | 06.06.2017 | 60.642,40                                                                              |
| 4500001076      | 30.04.2009 | -56.225,76                                                                             |
| 6000409038      | 27.12.2017 | 55.875,60                                                                              |
| 4500002463      | 29.12.2017 | 54.421,08                                                                              |
| 2715171         | 01.12.1995 | 54.366,26                                                                              |
| 2715170         | 30.11.1995 | -54.366,26                                                                             |
| 5200036536      | 30.11.2001 | 53.993,74                                                                              |
| 5200036718      | 01.12.2001 | -53.993,74                                                                             |
| 6000400338      | 19.12.2017 | 50.711,85                                                                              |
| 5200010145      | 01.11.2001 | 49.721,85                                                                              |
| 5200009796      | 31.10.2001 | -49.721,85                                                                             |
| 2713231         | 02.10.1995 | 48.577,49                                                                              |
| 2713230         | 30.09.1995 | -48.577,49                                                                             |
| 5200003600      | 31.05.2010 | 46.907,66                                                                              |
| 2782370         | 30.04.2000 | 46.743,46                                                                              |
| 2782371         | 02.05.2000 | -46.743,46                                                                             |
| 5200003754      | 31.05.2009 | -46.458,70                                                                             |
| 2701482         | 01.01.2001 | 46.065,89                                                                              |
| 2701481         | 31.12.2000 | -46.065,89                                                                             |

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 5200036718      | 01.12.2001 | 45.412,22                                                                              |
| 5200036536      | 30.11.2001 | -45.412,22                                                                             |
| 2789261         | 31.10.2000 | 45.268,39                                                                              |
| 2789262         | 01.11.2000 | -45.268,39                                                                             |
| 6000372264      | 28.11.2017 | 43.500,00                                                                              |
| 5200004398      | 31.03.2002 | 43.140,51                                                                              |
| 5200007910      | 31.03.2016 | -41.341,50                                                                             |
| 5200002293      | 30.06.2001 | 40.551,56                                                                              |
| 5200002480      | 01.07.2001 | -40.551,56                                                                             |
| 4300312950      | 27.12.2017 | 38.447,64                                                                              |
| 5200011652      | 31.05.2012 | 37.775,36                                                                              |
| 5200014117      | 31.12.2003 | -37.100,26                                                                             |
| 2714077         | 01.11.1995 | 37.096,41                                                                              |
| 2714076         | 31.10.1995 | -37.096,41                                                                             |
| 2702660         | 01.02.2001 | 36.751,10                                                                              |
| 2702659         | 31.01.2001 | -36.751,10                                                                             |
| 5200002295      | 31.03.2008 | -36.341,83                                                                             |
| 4500000115      | 16.01.2015 | -36.098,74                                                                             |
| 5200001897      | 31.05.2001 | 35.394,03                                                                              |
| 5200002076      | 01.06.2001 | -35.394,03                                                                             |
| 4500001614      | 15.07.2008 | 35.099,13                                                                              |
| 2703779         | 01.03.2001 | 35.086,36                                                                              |
| 2703778         | 28.02.2001 | -35.086,36                                                                             |
| 4500002220      | 03.04.2003 | 34.488,01                                                                              |
| 5200014617      | 31.12.2002 | -33.438,11                                                                             |
| 2728372         | 01.11.1996 | 32.570,87                                                                              |
| 2728371         | 31.10.1996 | -32.570,87                                                                             |
| 2712294         | 01.09.1995 | 32.417,15                                                                              |
| 2712293         | 31.08.1995 | -32.417,15                                                                             |
| 2787014         | 31.08.2000 | 32.359,49                                                                              |
| 2787015         | 01.09.2000 | -32.359,49                                                                             |
| 4500007762      | 05.12.2003 | 32.204,56                                                                              |
| 5200033442      | 31.12.2015 | -31.847,27                                                                             |
| 6000031408      | 29.01.2016 | 31.211,00                                                                              |
| 4500002561      | 25.07.2005 | -31.151,48                                                                             |
| 5200037255      | 31.12.2001 | -29.829,32                                                                             |
| 2533491         | 01.09.1998 | 29.658,55                                                                              |
| 2533490         | 31.08.1998 | -29.658,55                                                                             |
| 5200019044      | 30.11.2011 | 29.634,44                                                                              |
| 5200012276      | 30.11.2004 | -29.598,10                                                                             |
| 2700470         | 30.11.2000 | 29.452,16                                                                              |
| 2700471         | 01.12.2000 | -29.452,16                                                                             |
| 2783590         | 31.05.2000 | 29.440,15                                                                              |
| 2783591         | 05.06.2000 | -29.440,15                                                                             |
| 4500001549      | 07.08.2012 | -29.289,77                                                                             |
| 2781425         | 31.03.2000 | 29.284,26                                                                              |
| 2781426         | 03.04.2000 | -29.284,26                                                                             |
| 5200031381      | 30.11.2015 | 29.260,80                                                                              |
| 5200013910      | 31.05.2016 | 29.177,92                                                                              |
| 2715137         | 01.12.1995 | 28.919,77                                                                              |
| 2715136         | 30.11.1995 | -28.919,77                                                                             |
| 5200004088      | 31.05.2005 | 28.655,32                                                                              |
| 6000371623      | 28.11.2017 | 28.429,10                                                                              |
| 2788127         | 30.09.2000 | 27.491,60                                                                              |
| 2788128         | 02.10.2000 | -27.491,60                                                                             |
| 2779078         | 31.01.2000 | 27.338,81                                                                              |
| 2779079         | 01.02.2000 | -27.338,81                                                                             |
| 2534412         | 02.11.1998 | 27.246,56                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.



## Annex 7.2

## Receivables and financial assets Healthcare

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 2534410         | 31.10.1998 | -27.246,56                                                                             |
| 5200013072      | 30.11.2003 | -27.185,04                                                                             |
| 5200001308      | 31.01.2003 | -27.078,52                                                                             |
| 5200006182      | 30.09.2007 | -26.848,66                                                                             |
| 2533998         | 01.10.1998 | 26.710,56                                                                              |
| 2533997         | 30.09.1998 | -26.710,56                                                                             |
| 4500000149      | 15.01.2004 | 26.426,72                                                                              |
| 4500006852      | 08.10.2003 | 26.378,67                                                                              |
| 2780278         | 29.02.2000 | 26.274,81                                                                              |
| 2780279         | 01.03.2000 | -26.274,81                                                                             |
| 2533052         | 03.08.1998 | 26.174,57                                                                              |
| 2533051         | 31.07.1998 | -26.174,57                                                                             |
| 2746073         | 03.11.1997 | 25.861,90                                                                              |
| 2746072         | 31.10.1997 | -25.861,90                                                                             |
| 2534882         | 01.12.1998 | 25.817,23                                                                              |
| 2534881         | 30.11.1998 | -25.817,23                                                                             |
| 4500000233      | 31.01.2017 | 25.697,56                                                                              |
| 2532586         | 01.07.1998 | 25.013,24                                                                              |
| 2532585         | 30.06.1998 | -25.013,24                                                                             |
| 4500002521      | 29.04.2002 | -24.968,89                                                                             |
| 5200001582      | 29.02.2008 | -24.915,36                                                                             |
| 5200009796      | 31.10.2001 | 24.907,32                                                                              |
| 5200010145      | 01.11.2001 | -24.907,32                                                                             |
| 2752190         | 01.04.1998 | 24.745,24                                                                              |
| 2752189         | 31.03.1998 | -24.745,24                                                                             |
| 5200015626      | 30.09.2011 | 24.646,03                                                                              |
| 7800009993      | 31.12.2017 | 24.451,89                                                                              |
| 2749130         | 02.02.1998 | 24.387,91                                                                              |
| 2532159         | 02.06.1998 | 24.387,91                                                                              |
| 2749129         | 31.01.1998 | -24.387,91                                                                             |
| 2532158         | 31.05.1998 | -24.387,91                                                                             |
| 2530821         | 02.03.1998 | 24.343,24                                                                              |
| 2530820         | 28.02.1998 | -24.343,24                                                                             |
| 5200001586      | 28.02.2009 | 24.278,51                                                                              |
| 5200009229      | 31.07.2002 | 23.974,65                                                                              |
| 2748428         | 02.01.1998 | 23.851,91                                                                              |
| 2748427         | 31.12.1997 | -23.851,91                                                                             |
| 5200005998      | 31.08.2008 | 23.849,92                                                                              |
| 2747229         | 01.12.1997 | 23.673,24                                                                              |
| 2747228         | 30.11.1997 | -23.673,24                                                                             |
| 2738760         | 30.04.1997 | 23.646,44                                                                              |
| 2738761         | 02.05.1997 | -23.646,44                                                                             |
| 2535800         | 04.01.1999 | 23.226,58                                                                              |
| 2535799         | 31.12.1998 | -23.226,58                                                                             |
| 4000302285      | 26.09.2017 | 23.154,24                                                                              |
| 4000302282      | 26.09.2017 | 23.154,24                                                                              |
| 4000302284      | 26.09.2017 | -23.154,24                                                                             |
| 2713201         | 02.10.1995 | 23.130,99                                                                              |
| 2713200         | 30.09.1995 | -23.130,99                                                                             |
| 5200007100      | 28.02.2013 | 23.013,37                                                                              |
| 4500000101      | 14.01.2016 | 23.005,42                                                                              |
| 5200006660      | 30.06.2003 | 23.000,89                                                                              |
| 5200021794      | 30.09.2012 | -22.961,25                                                                             |
| 5200005628      | 31.05.2003 | -22.918,06                                                                             |
| 5200009789      | 31.03.2013 | 22.436,79                                                                              |
| 5200007318      | 30.11.2006 | -22.363,40                                                                             |
| 2744848         | 01.10.1997 | 22.333,24                                                                              |
| 2744847         | 30.09.1997 | -22.333,24                                                                             |
| 2759110         | 01.10.1998 | 22.176,91                                                                              |
| 2759109         | 30.09.1998 | -22.176,91                                                                             |

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 2743636         | 01.09.1997 | 22.020,58                                                                              |
| 2743635         | 31.08.1997 | -22.020,58                                                                             |
| 5200011398      | 31.10.2004 | -21.965,48                                                                             |
| 2742503         | 01.08.1997 | 21.707,92                                                                              |
| 2742502         | 31.07.1997 | -21.707,92                                                                             |
| 5200004124      | 01.08.2001 | 21.630,01                                                                              |
| 5200003970      | 31.07.2001 | -21.630,01                                                                             |
| 2785791         | 31.07.2000 | 21.211,96                                                                              |
| 2785792         | 01.08.2000 | -21.211,96                                                                             |
| 4500003764      | 30.09.2004 | 21.003,26                                                                              |
| 6000306874      | 03.10.2017 | 21.000,00                                                                              |
| 2739787         | 31.05.1997 | 20.494,47                                                                              |
| 2739788         | 02.06.1997 | -20.494,47                                                                             |
| 4500000545      | 30.03.2016 | 20.425,13                                                                              |
| 5200012630      | 30.04.2013 | -20.155,03                                                                             |
| 5200003514      | 31.03.2003 | -20.068,95                                                                             |
| 2753315         | 04.05.1998 | 19.787,26                                                                              |
| 2753314         | 30.04.1998 | -19.787,26                                                                             |
| 5200005537      | 31.08.2010 | 19.775,82                                                                              |
| 2742216         | 31.07.1997 | 19.775,34                                                                              |
| 2742217         | 01.08.1997 | -19.775,34                                                                             |
| 4500000535      | 23.03.2010 | -19.623,54                                                                             |
| 4500004050      | 01.07.2002 | 19.548,25                                                                              |
| 2736490         | 28.02.1997 | 19.501,39                                                                              |
| 2736491         | 03.03.1997 | -19.501,39                                                                             |
| 6000070930      | 01.03.2016 | 19.500,00                                                                              |
| 2741245         | 01.07.1997 | 19.429,93                                                                              |
| 2741244         | 30.06.1997 | -19.429,93                                                                             |
| 5200010421      | 31.08.2002 | -19.407,06                                                                             |
| 4000138951      | 23.12.2004 | 19.348,14                                                                              |
| 5200001864      | 31.01.2012 | -19.345,25                                                                             |
| 2701470         | 01.01.2001 | 19.254,23                                                                              |
| 2701469         | 31.12.2000 | -19.254,23                                                                             |
| 5200011474      | 30.04.2015 | -19.196,67                                                                             |
| 5200008832      | 31.08.2003 | 19.182,50                                                                              |
| 5200000390      | 01.05.2001 | 19.076,10                                                                              |
| 5200000217      | 30.04.2001 | -19.076,10                                                                             |
| 4500001583      | 13.07.2009 | 19.057,86                                                                              |
| 5200003111      | 30.04.2008 | 19.048,35                                                                              |
| 5200030861      | 31.12.2014 | 19.034,88                                                                              |
| 2784655         | 30.06.2000 | 19.015,64                                                                              |
| 2784656         | 03.07.2000 | -19.015,64                                                                             |
| 5200017064      | 31.05.2017 | -18.888,43                                                                             |
| 2760394         | 02.11.1998 | 18.852,24                                                                              |
| 2760393         | 31.10.1998 | -18.852,24                                                                             |
| 4500001234      | 28.02.2002 | -18.743,24                                                                             |
| 2704982         | 01.04.2001 | 18.608,74                                                                              |
| 2704981         | 31.03.2001 | -18.608,74                                                                             |
| 2536117         | 01.02.1999 | 18.371,51                                                                              |
| 2536477         | 01.03.1999 | 18.371,51                                                                              |
| 2537052         | 01.04.1999 | 18.371,51                                                                              |
| 2537455         | 03.05.1999 | 18.371,51                                                                              |
| 2538428         | 01.07.1999 | 18.371,51                                                                              |
| 2538887         | 02.08.1999 | 18.371,51                                                                              |
| 2539300         | 01.09.1999 | 18.371,51                                                                              |
| 2539799         | 01.10.1999 | 18.371,51                                                                              |
| 2536116         | 31.01.1999 | -18.371,51                                                                             |
| 2536476         | 28.02.1999 | -18.371,51                                                                             |
| 2537051         | 31.03.1999 | -18.371,51                                                                             |
| 2537454         | 30.04.1999 | -18.371,51                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**Annex 7.2**  
Receivables and financial assets Healthcare

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 2538427         | 30.06.1999 | -18.371,51                                                                             |
| 2538886         | 31.07.1999 | -18.371,51                                                                             |
| 2539299         | 31.08.1999 | -18.371,51                                                                             |
| 2539798         | 30.09.1999 | -18.371,51                                                                             |
| 5200019899      | 31.12.2011 | 18.297,44                                                                              |
| 5200006701      | 30.09.2008 | 18.227,27                                                                              |
| 5200008251      | 30.11.2005 | 18.180,41                                                                              |
| 5200019789      | 31.08.2012 | 18.005,60                                                                              |
| 5200023747      | 31.07.2017 | -17.961,31                                                                             |
| 4500002054      | 10.09.2009 | 17.952,71                                                                              |
| 5200032056      | 30.11.2016 | 17.914,56                                                                              |
| 2737614         | 31.03.1997 | 17.903,82                                                                              |
| 2737615         | 01.04.1997 | -17.903,82                                                                             |
| 5200006919      | 31.10.2007 | -17.775,85                                                                             |
| 5200007244      | 31.03.2015 | 17.746,72                                                                              |
| 4500002086      | 08.12.2016 | 17.666,16                                                                              |
| 2711313         | 01.08.1995 | 17.559,29                                                                              |
| 2711312         | 31.07.1995 | -17.559,29                                                                             |
| 5200017095      | 31.07.2012 | 17.547,54                                                                              |
| 4500001802      | 04.08.2008 | 17.375,17                                                                              |
| 2739100         | 02.05.1997 | 17.151,93                                                                              |
| 2739626         | 02.06.1997 | 17.151,93                                                                              |
| 2739099         | 30.04.1997 | -17.151,93                                                                             |
| 2739625         | 31.05.1997 | -17.151,93                                                                             |
| 4500001193      | 22.06.2010 | -17.123,82                                                                             |
| 4500002739      | 21.12.2010 | -17.119,57                                                                             |
| 2737432         | 01.04.1997 | 16.794,60                                                                              |
| 2737431         | 31.03.1997 | -16.794,60                                                                             |
| 2762997         | 04.01.1999 | 16.560,25                                                                              |
| 2762996         | 31.12.1998 | -16.560,25                                                                             |
| 5200000769      | 31.01.2006 | -16.512,21                                                                             |
| 2777876         | 31.12.1999 | 16.472,32                                                                              |
| 2777877         | 03.01.2000 | -16.472,32                                                                             |
| 5200002697      | 31.01.2013 | -16.110,69                                                                             |
| 5200003970      | 31.07.2001 | 16.038,75                                                                              |
| 5200004124      | 01.08.2001 | -16.038,75                                                                             |
| 4500001821      | 27.09.2010 | -16.019,14                                                                             |
| 4500001160      | 14.05.2009 | 15.988,59                                                                              |
| 5200001531      | 28.02.2010 | 15.933,65                                                                              |
| 2770669         | 30.06.1999 | 15.773,96                                                                              |
| 2770670         | 01.07.1999 | -15.773,96                                                                             |
| 4500002570      | 27.07.2005 | -15.766,48                                                                             |
| 4000104495      | 10.04.2008 | 15.592,66                                                                              |
| 4500002280      | 11.10.2011 | -15.552,70                                                                             |
| 5200000852      | 31.01.2010 | 15.530,76                                                                              |
| 5200002295      | 30.06.2001 | 15.364,52                                                                              |
| 5200002482      | 01.07.2001 | -15.364,52                                                                             |
| 4000385868      | 20.12.2017 | 15.359,77                                                                              |
| 5200001899      | 31.05.2001 | 15.320,50                                                                              |
| 5200002078      | 01.06.2001 | -15.320,50                                                                             |
| 2826715         | 31.03.1993 | 15.167,89                                                                              |
| 2826564         | 01.04.1993 | 15.167,89                                                                              |
| 2826563         | 31.03.1993 | -15.167,89                                                                             |
| 2826716         | 01.04.1993 | -15.167,89                                                                             |
| 4500006174      | 04.09.2003 | -15.084,38                                                                             |
| 5200004466      | 30.06.2008 | -15.004,33                                                                             |
| 6000091135      | 28.03.2017 | 14.950,00                                                                              |
| 5200007583      | 30.11.2007 | -14.744,02                                                                             |
| 2736777         | 03.03.1997 | 14.739,94                                                                              |
| 2736776         | 28.02.1997 | -14.739,94                                                                             |

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 4500002125      | 12.04.2002 | -14.619,00                                                                             |
| 2787004         | 31.08.2000 | 14.574,80                                                                              |
| 2787005         | 01.09.2000 | -14.574,80                                                                             |
| 5200008976      | 31.07.2004 | 14.520,73                                                                              |
| 4500002034      | 06.11.2014 | 14.283,75                                                                              |
| 5200003616      | 29.02.2012 | -14.197,75                                                                             |
| 2722435         | 31.05.1996 | 14.136,65                                                                              |
| 2722436         | 03.06.1996 | -14.136,65                                                                             |
| 5200006914      | 31.05.2004 | -14.128,07                                                                             |
| 5200020782      | 30.06.2017 | -13.973,62                                                                             |
| 5200002775      | 30.04.2006 | -13.896,98                                                                             |
| 2765569         | 28.02.1999 | 13.806,05                                                                              |
| 2765570         | 01.03.1999 | -13.806,05                                                                             |
| 5200007513      | 30.11.2010 | 13.645,79                                                                              |
| 5200000914      | 31.01.2005 | 13.521,33                                                                              |
| 4500002194      | 18.12.2013 | 13.487,67                                                                              |
| 5200029028      | 31.10.2016 | 13.458,27                                                                              |
| 2721299         | 30.04.1996 | 13.291,55                                                                              |
| 2721300         | 02.05.1996 | -13.291,55                                                                             |
| 2769375         | 31.05.1999 | 13.236,89                                                                              |
| 2769376         | 01.06.1999 | -13.236,89                                                                             |
| 2761730         | 01.12.1998 | 12.936,91                                                                              |
| 2761729         | 30.11.1998 | -12.936,91                                                                             |
| 5200004734      | 30.06.2005 | 12.913,61                                                                              |
| 5200002803      | 30.04.2007 | -12.905,07                                                                             |
| 2731932         | 31.01.1997 | 12.852,04                                                                              |
| 2731933         | 03.02.1997 | -12.852,04                                                                             |
| 7800008041      | 30.09.2017 | 12.742,93                                                                              |
| 4500001194      | 22.06.2010 | -12.648,71                                                                             |
| 5200012844      | 30.04.2017 | -12.503,98                                                                             |
| 5200001315      | 28.02.2006 | 12.475,56                                                                              |
| 5200002099      | 31.01.2017 | -12.474,71                                                                             |
| 2759124         | 01.10.1998 | 12.410,36                                                                              |
| 2759123         | 30.09.1998 | -12.410,36                                                                             |
| 4500004006      | 01.07.2002 | 12.382,43                                                                              |
| 5200022469      | 31.08.2015 | -12.336,65                                                                             |
| 5200001831      | 28.02.2005 | -12.331,61                                                                             |
| 4500007038      | 23.10.2003 | 12.313,62                                                                              |
| 5200039537      | 30.11.2017 | -12.283,24                                                                             |
| 6000218486      | 17.07.2017 | -12.194,21                                                                             |
| 4500006068      | 17.09.2002 | 12.118,67                                                                              |
| 5200014340      | 31.05.2015 | 11.968,15                                                                              |
| 4500000641      | 26.03.2008 | 11.917,54                                                                              |
| 2727221         | 30.09.1996 | 11.915,09                                                                              |
| 2727222         | 01.10.1996 | -11.915,09                                                                             |
| 2723545         | 30.06.1996 | 11.883,07                                                                              |
| 2723546         | 01.07.1996 | -11.883,07                                                                             |
| 5200003034      | 29.02.2004 | 11.786,36                                                                              |
| 4500001197      | 22.06.2010 | -11.774,80                                                                             |
| 4500002943      | 18.12.2007 | 11.729,81                                                                              |
| 5200014306      | 30.06.2012 | -11.708,09                                                                             |
| 2767016         | 31.03.1999 | 11.607,67                                                                              |
| 2767017         | 01.04.1999 | -11.607,67                                                                             |
| 2760364         | 02.11.1998 | 11.602,25                                                                              |
| 2760363         | 31.10.1998 | -11.602,25                                                                             |
| 5200034076      | 31.12.2016 | -11.574,59                                                                             |
| 2772278         | 02.08.1999 | 11.527,60                                                                              |
| 2772277         | 31.07.1999 | -11.527,60                                                                             |
| 4500000586      | 29.01.2003 | 11.470,92                                                                              |
| 5200003427      | 31.05.2006 | -11.401,75                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**Annex 7.2**  
Receivables and financial assets Healthcare

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 5200001459      | 28.02.2007 | -11.331,15                                                                             |
| 5200017340      | 31.10.2011 | -11.253,47                                                                             |
| 6000323155      | 14.10.2016 | -10.995,24                                                                             |
| 5200002956      | 30.04.2010 | 10.930,50                                                                              |
| 6000130212      | 02.05.2017 | 10.921,58                                                                              |
| 4500001140      | 30.05.2008 | 10.901,35                                                                              |
| 5200008158      | 31.03.2016 | -10.867,55                                                                             |
| 4500000014      | 03.01.2017 | 10.725,81                                                                              |
| 5200008063      | 30.11.2009 | -10.686,07                                                                             |
| 5200004563      | 30.04.2003 | -10.683,66                                                                             |
| 4500000669      | 31.03.2008 | 10.625,15                                                                              |
| 5200002629      | 31.03.2005 | 10.585,12                                                                              |
| 2704983         | 31.03.2001 | 10.431,77                                                                              |
| 2704984         | 01.04.2001 | -10.431,77                                                                             |
| 6000252189      | 16.08.2017 | -10.364,60                                                                             |
| 2764086         | 01.02.1999 | 10.231,51                                                                              |
| 2764085         | 31.01.1999 | -10.231,51                                                                             |
| 2761706         | 01.12.1998 | 10.217,10                                                                              |
| 2761705         | 30.11.1998 | -10.217,10                                                                             |
| 4500000612      | 09.04.2015 | 10.211,93                                                                              |
| 4500001047      | 04.03.2005 | 10.185,01                                                                              |
| 2769357         | 31.05.1999 | 10.111,37                                                                              |
| 2769358         | 01.06.1999 | -10.111,37                                                                             |
| 4500000980      | 24.06.2015 | -10.056,05                                                                             |
| 4500000776      | 07.05.2015 | 10.032,50                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**V. Other receivables from employees attributable to the Operating Unit Healthcare**

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 5000000701      | 30.06.2015 | 401.334,87                                                                             |
| 5000001831      | 31.12.2015 | -293.681,15                                                                            |
| 5000001127      | 30.09.2015 | 180.773,90                                                                             |
| 5000000701      | 30.06.2015 | 142.297,29                                                                             |
| 5000000533      | 31.03.2017 | -72.289,03                                                                             |
| 5000001443      | 30.09.2017 | 71.018,22                                                                              |
| 5000002247      | 31.12.2017 | 62.652,00                                                                              |

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 5000001086      | 30.09.2016 | 52.659,65                                                                              |
| 5000000344      | 31.03.2015 | -46.484,02                                                                             |
| 4300160758      | 18.07.2016 | 31.169,15                                                                              |
| 4300160757      | 18.07.2016 | 31.169,15                                                                              |
| 4300160756      | 18.07.2016 | 31.169,15                                                                              |
| 4300160754      | 18.07.2016 | 31.156,72                                                                              |
| 5000001883      | 31.12.2016 | 29.515,99                                                                              |

**VI. Investments**

| Company                       | Registered office          | Registration Court | Commercial register number |
|-------------------------------|----------------------------|--------------------|----------------------------|
| PharmLog Pharma Logistik GmbH | Siemensstr. 1, 59199 Bönen | Amtsgericht Hamm   | HRB 3673                   |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

### **Annex 8.3**

Inventories and other items of current assets Healthcare

## Inventories and other items of current assets Healthcare

## Article number of the item of current assets according to accounting

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 5021028813 | 7505040062 | 3005988005 | 7535480509 | 3013940252 | 3013910352 | 3022011055 |
| FCB103B6   | F7540302   | 3008399991 | 3014480404 | 7545271024 | 3013912401 | 3026630001 |
| 5030270000 | 3000479991 | 3001800004 | 3000560004 | 7690040009 | 7871391026 | 5020380000 |
| F67R0303   | 3028040258 | 3045740000 | 2759950000 | 3013930222 | 3002879991 | 7676760057 |
| FCB103B4   | 3023318438 | 3008798881 | 3013920100 | 3013919401 | 3008037774 | 7575710280 |
| 3023718328 | 3008047772 | F56B03A1   | 3013939401 | 3014497771 | 3001100031 | 3013930171 |
| 3023318138 | 3013939991 | 3023315501 | 3023310211 | 3023710901 | 3045799401 | 3014339992 |
| 3023718323 | 3008389991 | 5390400000 | 3023479991 | F67R0302   | 5020410000 | 3538890100 |
| 3023718523 | 5000620000 | 3045700000 | 2745420000 | 3030410301 | 7535360254 | 3013950241 |
| 3023718728 | 3022011001 | 3013959991 | 3022022532 | 3045790401 | F55A03A0   | 7747559064 |
| F6720302   | 3023710401 | 3000529991 | 3045769401 | UEEIGA01   | 3023710341 | 3023489401 |
| F6740301   | 3030770001 | 3023310421 | 3045709401 | 3023499991 | 7525291045 | F1250301   |
| 5030279992 | 3001100100 | 3013920703 | 3013530705 | F67K0301   | 3002108002 | F5150301   |
| F1230302   | 3000329991 | 3045740401 | 3005258001 | 3023710271 | 3045710403 | 3013921031 |
| 2780860000 | F7590301   | 3023710001 | 3030730006 | 3013959401 | 3013960100 | 3023479401 |
| 3023318813 | 3013919991 | 3008891151 | 3030710001 | 3008040401 | 3045789401 | 3013950242 |
| 3023318738 | 2810280000 | 3045749401 | 3045710402 | 3013910100 | 3015538001 | 3000420100 |
| FCB103B1   | 3001790006 | 3028040259 | 3008890404 | 3013940352 | 3023711491 | 3014507771 |
| 3023718430 | 3028031192 | 3013910703 | 3188890100 | 3013548001 | 3000379991 | 7690040207 |
| F67Q0303   | 3023312351 | 3028031262 | 3022029991 | 3023470703 | 3013930252 | 3022031011 |
| F1250302   | 3023311001 | 5021100000 | 3014329992 | 3023712501 | 3008039911 | 3278390050 |
| 3013921191 | 3000620000 | 5002240000 | 3000068001 | 3014930752 | 3013960252 | 3023711401 |
| 3023718528 | 3700620050 | 3045720000 | 3218040056 | 3014480381 | 7676760048 | 3023711541 |
| 3023710501 | 2772990000 | 3023710352 | 3000550003 | 3023311521 | 3218630056 | 3022001055 |
| 3008897771 | 5019940000 | 3008338882 | 3014480301 | 3014320222 | 3005258002 | 3028030212 |
| 3008037771 | 3044925551 | 3013678001 | 3045700401 | 3023470241 | 3023711021 | 3013668001 |
| 2785490000 | 3008391198 | 3275710030 | 3022012532 | 3000550004 | 3014930402 | 5524640000 |
| F75B0301   | 3023710361 | 7545260204 | 7545271010 | 3708890100 | 3013930242 | 3013578001 |
| 3023310401 | 3008039921 | 3014481261 | 3008039992 | 3045780000 | 3028031501 | 3022830302 |
| 2787760000 | 3023314774 | 3045760401 | 3008790301 | 3028031312 | 5001310000 | 3008891401 |
| F19B0307   | 3008030361 | 3023715501 | 3022021001 | F7540301   | 3002108001 | 3013920181 |
| F67Q0301   | UEEIGE01   | 3023711521 | 3023712421 | 2713290000 | 2709920000 | 3013910364 |
| F0110301   | 7282980027 | 3288390050 | 3045719401 | F5150302   | 3026463761 | 3278000030 |
| 3023719998 | 3022031001 | 3023711201 | 3045720401 | 7121960011 | 3023480241 | 3013960242 |
| 3028030258 | F55A03A2   | 3938890030 | 3013910171 | 3023710171 | 3023310121 | 3888390050 |
| 3023310501 | 3013940100 | 3008042401 | 3022520301 | 2727910000 | 3013920242 | 3980400100 |
| 5017737777 | 7282980107 | 3008638881 | 3000560003 | 3030710000 | 3008030100 | 3023710111 |
| 3023718428 | 3022021011 | 3030730000 | 3023310111 | 3023489991 | 3298040030 | 3013920222 |
| 7505040065 | 3028031492 | 3023310221 | 3023490100 | 3013949401 | 3014480100 | 3014330100 |
| 5030430000 | 3023310341 | 3016070100 | 3004748001 | 3008409991 | 3002100010 | 3016060050 |
| 3008890259 | 3022001001 | 3028031152 | 3000560001 | 3013920252 | 7464763104 | 3282660101 |
| 2721430000 | 3000620030 | 3013538001 | 3008899992 | 3026533761 | 3288890030 | 3013930232 |
| 3023711192 | 2817810000 | 7282980101 | F54G03A6   | 3022800302 | 3026464702 | 3060360411 |
| 3023318133 | 3023710241 | 3023310241 | 3000620060 | U1211124   | 3014480171 | 3205710030 |
| 3023310001 | 5021008813 | 3030731191 | 3024250409 | 3014480401 | 2012610000 | 3010978001 |
| 3023318538 | 2759630000 | 3030418881 | 3015548001 | 3014320401 | 3028031242 | 7464776118 |
| 3023318733 | F7540304   | 7262582023 | 3023714761 | 3008037773 | 2740710000 | 2009760000 |
| F67R0301   | 7282980023 | 3030428881 | 3023480100 | 3525980005 | 3023710381 | 3014480501 |
| 3013929991 | 5020310000 | UEEIGE35   | 1023500000 | 3013920352 | 3005980005 | 3005848001 |
| 3008037772 | 3000559991 | 3001801071 | 3023711241 | 3008391191 | 7464761033 | 3002878021 |
| F1210302   | 3023713701 | 3023710371 | 3013568001 | 3021880100 | 3016060100 | 3023310201 |
| 3023711307 | 3023711251 | 3013969991 | 3028031055 | 3013950406 | 3030250120 | 3030411231 |
| 3008047771 | 3008017771 | 3008899182 | 3013922401 | 3000370003 | 3023480703 | 3000548002 |
| 1076590000 | 3008638882 | 3001290100 | 3023711501 | 3008040402 | F1230301   | 3008030371 |
| 3023718324 | 3008031198 | 3000320003 | 3022009991 | 5020620000 | 3008339183 | 3023480251 |
| 3030780001 | F6720304   | 2757070000 | F55A03A3   | 3988890030 | 3001802501 | U6744107   |
| F6740304   | 3002140100 | 3002660100 | 3008031911 | 7464761030 | 3013940241 | 3030421231 |
| 3014487771 | 3000320004 | 3023314761 | 3013940242 | 3008891055 | 3013941031 | 7121960005 |
| 3023714774 | 3045729401 | 7545271013 | 3013920241 | 3002820100 | 3021889991 | 7777144080 |
| 3008397771 | U6711124   | 3008049921 | 5020460000 | 3022011111 | 3218330056 | UEEIGE34   |
| F75D0301   | 3028030259 | 3008007771 | 3032040084 | 3013910406 | 3013910242 | 3008390181 |
| 2764940000 | 3013910252 | 3001792501 | 3023711001 | 3008890301 | 5021050000 | 3010988001 |
| 3008897772 | 3013930100 | 3045760000 | 3022001111 | 3000621501 | 7747559059 | 1022980000 |
| 3023710301 | 1040730000 | 3000370004 | 3023712531 | 3032040168 | 3000549991 | 3000500050 |
| 2817030000 | 3001791071 | 3023470100 | 3013910241 | 3013979991 | 1014430000 | 3022021055 |
| 3013949991 | 3013929401 | 2789010000 | 3022002532 | 2012590000 | 3023470251 | 7262532002 |
| F1990307   | 3097391001 | 3008030007 | 5020570000 | 3278380050 | 3013960703 | 3698030030 |
| F19D0307   | 3045710000 | 3023712351 | 3016070050 | 3002829991 | 3013950753 | 3001290031 |

## Inventories and other items of current assets Healthcare

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 3013910902 | 3013940212 | 3013920050 | 3008040361 | 3022022534 | 3008630701 | 3031070000 |
| 3013989991 | 3013980241 | 3022021054 | 3008380401 | 3008400401 | 3282820101 | 3030110100 |
| 7690040011 | 7515201019 | 7777150010 | 3278400050 | 3000550001 | 3013950212 | 3013540003 |
| 3013940051 | 3013949997 | 3030410361 | 3013540010 | 3001792401 | 3013910161 | 3008330100 |
| 3013930404 | 3022021111 | 3000240050 | 3026464752 | 3013930411 | 3638890100 | 3030410181 |
| 3918040030 | 3013910050 | 3002880002 | 3013910212 | 3023490703 | 3008390401 | 3000240011 |
| 3013960382 | 3045708881 | 3988030030 | 3272820100 | 3014490100 | 3030410402 | 7794470805 |
| 2816418888 | 3023490251 | 3023710201 | 3028041055 | 3808040030 | 3022011051 | 3005980006 |
| 3045700403 | 2812060000 | 3045740403 | 3014930113 | 7545258015 | 3022001168 | 3008380361 |
| 3013960241 | 3045808881 | 3013950411 | 3014320100 | 3008040030 | 3022022536 | 3023711231 |
| 3013530003 | 3010998001 | 3014940404 | 3008330341 | 3022001011 | 3022019991 | 3013960411 |
| 3023470201 | 3014932401 | 3014940402 | 3710620050 | 3015530010 | 7777144055 | 2006770000 |
| 2000008888 | 3022022511 | 3013950222 | 3022011259 | F54G0301   | 2785050000 | 7871396009 |
| 3008030382 | 3030780000 | 3022001054 | 3021610419 | 3014940100 | 3013970100 | 3002660761 |
| 3013940202 | 3002880001 | 3022012511 | 3013920391 | 3118400050 | 7464760629 | 7690040205 |
| 3013920902 | 3008030171 | 2745140000 | 3008630702 | 3022011168 | 3013940411 | 3002100005 |
| 3013930382 | 3000240100 | 3000500011 | 3014490401 | 3013290181 | 3112820100 | 7464760197 |
| 5001000000 | 3014330241 | 3008890171 | 3013940181 | 3013950171 | 3008331017 | 3000240010 |
| 7737660085 | 3013930901 | 3008030161 | 3013950050 | 2761030000 | 3013920171 | 3302770231 |
| 3008897773 | 3028041152 | 3022011011 | 3008140411 | 3008891041 | 3013944764 | 3013930051 |
| 3022011054 | 3531790060 | 3013960232 | 3014509182 | 3008030030 | 3000360020 | 7891392100 |
| 3030419992 | 3021880222 | 3008041911 | F19D0301   | 3016008001 | 3000520003 | 3008390050 |
| 3030420402 | 3293790200 | 3002140030 | 3013940171 | 3013954763 | 3004940050 | 3040710000 |
| 3013920212 | 3028041051 | 3013921042 | 3718890030 | 3013570001 | 3000360050 | 3024270409 |
| 3918030030 | 2725270000 | 3608030100 | 3003800100 | 2811960000 | 3028031051 | 3013940382 |
| 3022031111 | 3023710421 | 3023710122 | 3013940050 | 3013940391 | 3003300100 |            |
| 3013910202 | 3008894905 | 3028031021 | 3014930134 | 3028040212 | 3518790100 |            |
| 3008040100 | 7874010036 | 3538790030 | 3013930050 | 3044920005 | 3030410405 |            |
| 3030420301 | 3014500401 | 3013670001 | 3023470222 | 3118380100 | 3118390050 |            |
| 3013940222 | 3024260409 | 3013950100 | 3014934769 | F56B03A0   | 2707670000 |            |
| 3918380050 | F1210301   | 3045790000 | FC0100A8   | 3001100050 | 3013920051 |            |

## **Annex 9.4.a**

### Liabilities Healthcare



## I. Trade accounts payable to third parties attributable to the Operating Unit Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300314916      | 28.12.2017   | 4.500.000,00                                                                           |
| 5200042080      | 31.12.2017   | 3.576.411,85                                                                           |
| 5200005584      | 01.03.2016   | 2.514.929,04                                                                           |
| 5200005070      | 29.02.2016   | -2.514.929,04                                                                          |
| 4300286100      | 24.11.2017   | 2.335.979,25                                                                           |
| 4300289412      | 01.12.2017   | 2.324.237,75                                                                           |
| 4500002166      | 01.12.2017   | -2.095.887,60                                                                          |
| 4500002129      | 29.11.2017   | -2.090.747,70                                                                          |
| 2752185         | 31.03.1998   | 1.667.458,42                                                                           |
| 2752186         | 01.04.1998   | -1.667.458,42                                                                          |
| 2742498         | 31.07.1997   | 1.596.131,31                                                                           |
| 2742499         | 01.08.1997   | -1.596.131,31                                                                          |
| 2749125         | 31.01.1998   | 1.566.203,84                                                                           |
| 2749126         | 02.02.1998   | -1.566.203,84                                                                          |
| 2741240         | 30.06.1997   | 1.540.266,71                                                                           |
| 2741241         | 01.07.1997   | -1.540.266,71                                                                          |
| 2530816         | 28.02.1998   | 1.489.888,82                                                                           |
| 2530817         | 02.03.1998   | -1.489.888,82                                                                          |
| 2532581         | 30.06.1998   | 1.477.419,04                                                                           |
| 2532582         | 01.07.1998   | -1.477.419,04                                                                          |
| 2739095         | 30.04.1997   | 1.429.202,58                                                                           |
| 2739096         | 02.05.1997   | -1.429.202,58                                                                          |
| 2753310         | 30.04.1998   | 1.408.087,09                                                                           |
| 2753311         | 04.05.1998   | -1.408.087,09                                                                          |
| 2743631         | 31.08.1997   | 1.404.096,76                                                                           |
| 2743632         | 01.09.1997   | -1.404.096,76                                                                          |
| 4300293603      | 01.12.2017   | 1.394.644,47                                                                           |
| 2748423         | 31.12.1997   | 1.394.619,73                                                                           |
| 2748424         | 02.01.1998   | -1.394.619,73                                                                          |
| 4300232797      | 21.09.2017   | 1.375.000,00                                                                           |
| 2532154         | 31.05.1998   | 1.345.738,21                                                                           |
| 2532155         | 02.06.1998   | -1.345.738,21                                                                          |
| 2538423         | 30.06.1999   | 1.272.689,23                                                                           |
| 2538424         | 01.07.1999   | -1.272.689,23                                                                          |
| 2744843         | 30.09.1997   | 1.261.941,31                                                                           |
| 2744844         | 01.10.1997   | -1.261.941,31                                                                          |
| 2747224         | 30.11.1997   | 1.252.963,07                                                                           |
| 2747225         | 01.12.1997   | -1.252.963,07                                                                          |
| 2739621         | 31.05.1997   | 1.246.977,59                                                                           |
| 2739622         | 02.06.1997   | -1.246.977,59                                                                          |
| 4300259642      | 23.10.2017   | 1.241.593,00                                                                           |
| 5100127575      | 31.12.2017   | -1.208.335,39                                                                          |
| 2736774         | 28.02.1997   | 1.188.452,77                                                                           |
| 2736775         | 03.03.1997   | -1.188.452,77                                                                          |
| 4300304194      | 05.12.2017   | 1.184.050,00                                                                           |
| 2537450         | 30.04.1999   | 1.111.918,52                                                                           |
| 2537451         | 03.05.1999   | -1.111.918,52                                                                          |
| 2737429         | 31.03.1997   | 1.099.335,44                                                                           |
| 2737430         | 01.04.1997   | -1.099.335,44                                                                          |
| 4300312332      | 16.12.2017   | 1.085.578,96                                                                           |
| 2543646         | 30.04.2000   | 1.069.814,21                                                                           |
| 2543647         | 02.05.2000   | -1.069.814,21                                                                          |
| 4300315538      | 22.12.2017   | 1.050.000,00                                                                           |
| 2746068         | 31.10.1997   | 1.049.955,12                                                                           |
| 2746069         | 03.11.1997   | -1.049.955,12                                                                          |
| 2537047         | 31.03.1999   | 1.028.613,02                                                                           |
| 2537048         | 01.04.1999   | -1.028.613,02                                                                          |
| 4300288612      | 27.11.2017   | 1.009.846,27                                                                           |
| 5200032800      | 01.12.2016   | 1.005.462,00                                                                           |
| 5200032336      | 30.11.2016   | -1.005.462,00                                                                          |
| 4300296334      | 08.12.2017   | 995.944,00                                                                             |
| 4300304451      | 11.12.2017   | -980.560,00                                                                            |
| 2544031         | 31.05.2000   | 954.650,48                                                                             |
| 2544032         | 05.06.2000   | -954.650,48                                                                            |
| 5200042144      | 31.12.2017   | 951.447,39                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200042144      | 31.12.2017   | -951.447,39                                                                            |
| 5200035959      | 01.11.2017   | 931.624,99                                                                             |
| 5200035408      | 31.10.2017   | -931.624,99                                                                            |
| 4300310545      | 20.12.2017   | 896.010,00                                                                             |
| 2533048         | 31.07.1998   | 887.848,04                                                                             |
| 2756944         | 03.08.1998   | -887.848,04                                                                            |
| 5200000376      | 01.01.2017   | 877.831,96                                                                             |
| 5200034283      | 31.12.2016   | -877.831,96                                                                            |
| 2536470         | 28.02.1999   | 876.108,45                                                                             |
| 2536471         | 01.03.1999   | -876.108,45                                                                            |
| 2544399         | 30.06.2000   | 873.722,06                                                                             |
| 2544400         | 03.07.2000   | -873.722,06                                                                            |
| 5200002998      | 01.02.2017   | 864.382,16                                                                             |
| 5200002452      | 31.01.2017   | -864.382,16                                                                            |
| 2533487         | 31.08.1998   | 863.906,07                                                                             |
| 2533488         | 01.09.1998   | -863.906,07                                                                            |
| 4300304523      | 13.12.2017   | 851.788,76                                                                             |
| 4300314038      | 20.12.2017   | 844.523,27                                                                             |
| 4300285776      | 23.11.2017   | 839.275,90                                                                             |
| 5200042324      | 31.12.2017   | -834.258,53                                                                            |
| 5200000423      | 01.01.2016   | 830.837,20                                                                             |
| 5200033709      | 31.12.2015   | -830.837,20                                                                            |
| 2542793         | 29.02.2000   | 826.186,74                                                                             |
| 2542794         | 01.03.2000   | -826.186,74                                                                            |
| 5200023728      | 01.09.2016   | 807.497,36                                                                             |
| 5200023270      | 31.08.2016   | -807.497,36                                                                            |
| 4300281370      | 17.11.2017   | 806.274,87                                                                             |
| 2542282         | 31.01.2000   | 799.859,89                                                                             |
| 2542283         | 01.02.2000   | -799.859,89                                                                            |
| 4300315564      | 22.12.2017   | 793.462,83                                                                             |
| 4500002255      | 08.12.2017   | -783.520,80                                                                            |
| 5200042081      | 31.12.2017   | 783.193,96                                                                             |
| 4300271268      | 14.11.2017   | 777.819,00                                                                             |
| 5200001747      | 01.02.2016   | 766.248,14                                                                             |
| 5200001263      | 31.01.2016   | -766.248,14                                                                            |
| 5200020332      | 01.08.2015   | 762.452,37                                                                             |
| 5200023097      | 01.09.2015   | 762.452,37                                                                             |
| 5200019965      | 31.07.2015   | -762.452,37                                                                            |
| 5200022718      | 31.08.2015   | -762.452,37                                                                            |
| 4300282428      | 23.11.2017   | 759.223,10                                                                             |
| 4500002156      | 30.11.2017   | -722.568,00                                                                            |
| 5200020775      | 01.08.2016   | 720.071,59                                                                             |
| 5200020310      | 31.07.2016   | -720.071,59                                                                            |
| 2541885         | 31.12.1999   | 715.556,06                                                                             |
| 2541886         | 03.01.2000   | -715.556,06                                                                            |
| 2540925         | 30.11.1999   | 699.205,84                                                                             |
| 2540926         | 01.12.1999   | -699.205,84                                                                            |
| 5200001745      | 31.01.2015   | 698.856,56                                                                             |
| 5200026903      | 01.10.2016   | 691.613,07                                                                             |
| 5200026450      | 30.09.2016   | -691.613,07                                                                            |
| 2536112         | 31.01.1999   | 685.310,30                                                                             |
| 2536113         | 01.02.1999   | -685.310,30                                                                            |
| 5200001906      | 01.02.2016   | 678.331,54                                                                             |
| 5200001422      | 31.01.2016   | -678.331,54                                                                            |
| 4300315149      | 19.12.2017   | 670.855,00                                                                             |
| 4300302133      | 14.12.2017   | 669.162,00                                                                             |
| 5200026672      | 01.10.2013   | 659.290,62                                                                             |
| 5200026305      | 30.09.2013   | -659.290,62                                                                            |
| 5200018508      | 01.07.2013   | 658.134,72                                                                             |
| 5200018110      | 30.06.2013   | -658.134,72                                                                            |
| 5200023952      | 01.09.2013   | 657.980,16                                                                             |
| 5200023600      | 31.08.2013   | -657.980,16                                                                            |
| 5200021341      | 01.08.2013   | 657.846,86                                                                             |
| 5200020986      | 31.07.2013   | -657.846,86                                                                            |
| 5200029307      | 01.11.2013   | 657.831,04                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200028966      | 31.10.2013   | -657.831,04                                                                            |
| 5200013157      | 01.05.2013   | 657.789,60                                                                             |
| 5200015742      | 01.06.2013   | 657.789,60                                                                             |
| 5200031846      | 01.12.2013   | 657.789,60                                                                             |
| 5200012808      | 30.04.2013   | -657.789,60                                                                            |
| 5200015385      | 31.05.2013   | -657.789,60                                                                            |
| 5200031491      | 30.11.2013   | -657.789,60                                                                            |
| 2534876         | 30.11.1998   | 630.139,34                                                                             |
| 2534877         | 01.12.1998   | -630.139,34                                                                            |
| 5200040558      | 01.12.2017   | 626.339,26                                                                             |
| 5200040013      | 30.11.2017   | -626.339,26                                                                            |
| 5200000278      | 01.01.2016   | 616.635,46                                                                             |
| 5200033564      | 31.12.2015   | -616.635,46                                                                            |
| 4300302754      | 15.12.2017   | 600.588,00                                                                             |
| 5200029947      | 01.11.2016   | 600.503,74                                                                             |
| 5200029498      | 31.10.2016   | -600.503,74                                                                            |
| 5200011476      | 30.04.2015   | -597.642,38                                                                            |
| 4300311498      | 21.12.2017   | 595.000,00                                                                             |
| 4500002415      | 21.12.2017   | -592.025,00                                                                            |
| 4300020502      | 23.01.2017   | 589.856,40                                                                             |
| 2540322         | 31.10.1999   | 589.521,44                                                                             |
| 2540323         | 01.11.1999   | -589.521,44                                                                            |
| 5200009546      | 01.04.2017   | 572.532,44                                                                             |
| 5200009014      | 31.03.2017   | -572.532,44                                                                            |
| 4300310737      | 22.12.2017   | 571.875,92                                                                             |
| 5200012152      | 01.06.2012   | 569.769,79                                                                             |
| 5200011878      | 31.05.2012   | -569.769,79                                                                            |
| 5200024848      | 01.08.2017   | 564.121,85                                                                             |
| 5200024304      | 31.07.2017   | -564.121,85                                                                            |
| 5200017752      | 01.07.2015   | 563.024,14                                                                             |
| 5200017400      | 30.06.2015   | -563.024,14                                                                            |
| 2539293         | 31.08.1999   | 562.966,97                                                                             |
| 2539294         | 01.09.1999   | -562.966,97                                                                            |
| 4300308346      | 30.12.2017   | 556.325,00                                                                             |
| 4300305308      | 14.12.2017   | 552.322,26                                                                             |
| 2533992         | 30.09.1998   | 543.349,70                                                                             |
| 2533993         | 01.10.1998   | -543.349,70                                                                            |
| 2535795         | 31.12.1998   | 533.706,41                                                                             |
| 2535796         | 04.01.1999   | -533.706,41                                                                            |
| 4300294691      | 07.12.2017   | 529.871,30                                                                             |
| 2538880         | 31.07.1999   | 527.967,46                                                                             |
| 2538881         | 02.08.1999   | -527.967,46                                                                            |
| 2539792         | 30.09.1999   | 527.681,31                                                                             |
| 2539793         | 01.10.1999   | -527.681,31                                                                            |
| 5200001525      | 01.02.2014   | 524.422,89                                                                             |
| 5200001156      | 31.01.2014   | -524.422,89                                                                            |
| 5200031383      | 30.11.2015   | 520.170,21                                                                             |
| 4500002074      | 27.11.2017   | -519.657,00                                                                            |
| 4300294614      | 07.12.2017   | 518.373,88                                                                             |
| 4300304247      | 04.12.2017   | 511.700,00                                                                             |
| 4300278933      | 17.11.2017   | 504.664,96                                                                             |
| 4300297320      | 08.12.2017   | 500.000,00                                                                             |
| 5200000388      | 01.01.2017   | 494.709,30                                                                             |
| 5200034295      | 31.12.2016   | -494.709,30                                                                            |
| 4300274752      | 16.11.2017   | 489.708,70                                                                             |
| 4300271233      | 10.11.2017   | 487.575,00                                                                             |
| 5200009105      | 01.05.2012   | 480.017,13                                                                             |
| 5200008827      | 30.04.2012   | -480.017,13                                                                            |
| 4500002372      | 19.12.2017   | -473.620,00                                                                            |
| 4300285922      | 23.11.2017   | 468.430,32                                                                             |
| 4300294905      | 05.12.2017   | 467.027,40                                                                             |
| 5200013962      | 01.05.2017   | 465.511,94                                                                             |
| 5200013412      | 30.04.2017   | -465.511,94                                                                            |
| 5200006247      | 01.03.2017   | 463.769,57                                                                             |
| 5200005708      | 28.02.2017   | -463.769,57                                                                            |
| 4300294988      | 07.12.2017   | 460.784,00                                                                             |
| 2534406         | 31.10.1998   | 459.885,33                                                                             |
| 2534407         | 02.11.1998   | -459.885,33                                                                            |
| 5200032285      | 01.10.2017   | 457.772,03                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
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| 5200031732      | 30.09.2017   | -457.772,03                                                                            |
| 4300307020      | 14.12.2017   | 457.059,64                                                                             |
| 4300307399      | 14.12.2017   | 456.952,65                                                                             |
| 5200029127      | 01.12.2014   | 455.640,75                                                                             |
| 5200028764      | 30.11.2014   | -455.640,75                                                                            |
| 4300301296      | 04.12.2017   | 454.749,95                                                                             |
| 5200018134      | 01.06.2017   | 447.559,09                                                                             |
| 5200017580      | 31.05.2017   | -447.559,09                                                                            |
| 4300199803      | 18.08.2017   | 445.328,96                                                                             |
| 5200020460      | 01.08.2015   | 444.773,05                                                                             |
| 5200020093      | 31.07.2015   | -444.773,05                                                                            |
| 4300307409      | 16.12.2017   | 437.192,45                                                                             |
| 4300310289      | 20.12.2017   | 436.865,30                                                                             |
| 5200032802      | 01.12.2016   | 434.707,26                                                                             |
| 5200032338      | 30.11.2016   | -434.707,26                                                                            |
| 4300314392      | 28.12.2017   | 434.395,74                                                                             |
| 5200032940      | 01.12.2016   | 434.213,57                                                                             |
| 5200032476      | 30.11.2016   | -434.213,57                                                                            |
| 5200028552      | 31.10.2015   | 432.443,70                                                                             |
| 4300308650      | 16.12.2017   | 431.528,90                                                                             |
| 4300228328      | 06.10.2017   | 424.956,92                                                                             |
| 5200009938      | 01.05.2014   | 422.579,00                                                                             |
| 5200009516      | 30.04.2014   | -422.579,00                                                                            |
| 5200012652      | 01.06.2014   | 421.575,13                                                                             |
| 5200012207      | 31.05.2014   | -421.575,13                                                                            |
| 4300306893      | 16.12.2017   | 419.610,30                                                                             |
| 5200021837      | 01.07.2017   | 418.265,90                                                                             |
| 5200021286      | 30.06.2017   | -418.265,90                                                                            |
| 5200029818      | 01.11.2016   | 417.166,22                                                                             |
| 5200029369      | 31.10.2016   | -417.166,22                                                                            |
| 5200024699      | 01.08.2017   | 412.352,35                                                                             |
| 5200024155      | 31.07.2017   | -412.352,35                                                                            |
| 5200000349      | 01.01.2014   | 411.030,00                                                                             |
| 5200033656      | 31.12.2013   | -411.030,00                                                                            |
| 4300004698      | 16.02.2017   | -408.217,87                                                                            |
| 5200029324      | 01.11.2015   | 402.960,06                                                                             |
| 5200028916      | 31.10.2015   | -402.960,06                                                                            |
| 5200021117      | 01.09.2014   | 402.288,79                                                                             |
| 5200020684      | 31.08.2014   | -402.288,79                                                                            |
| 5200025985      | 01.11.2012   | 400.837,69                                                                             |
| 5200025680      | 31.10.2012   | -400.837,69                                                                            |
| 4300294616      | 06.12.2017   | -400.129,39                                                                            |
| 4500002248      | 07.12.2017   | -396.973,29                                                                            |
| 5200032254      | 01.12.2015   | 394.040,00                                                                             |
| 5200031851      | 30.11.2015   | -394.040,00                                                                            |
| 5200014342      | 31.05.2015   | 391.830,45                                                                             |
| 4300311334      | 22.12.2017   | 391.400,00                                                                             |
| 4300315596      | 16.12.2017   | 390.280,18                                                                             |
| 5200000279      | 01.01.2016   | 386.240,93                                                                             |
| 5200033565      | 31.12.2015   | -386.240,93                                                                            |
| 5200029182      | 01.11.2015   | 385.640,93                                                                             |
| 5200032126      | 01.12.2015   | 385.640,93                                                                             |
| 5200028774      | 31.10.2015   | -385.640,93                                                                            |
| 5200031723      | 30.11.2015   | -385.640,93                                                                            |
| 5200002423      | 01.02.2017   | 378.317,94                                                                             |
| 5200002319      | 31.01.2017   | 378.317,94                                                                             |
| 5200002319      | 31.01.2017   | -378.317,94                                                                            |
| 5200002423      | 01.02.2017   | -378.317,94                                                                            |
| 4300301739      | 14.12.2017   | 377.353,89                                                                             |
| 5200019919      | 01.08.2015   | 376.562,29                                                                             |
| 5200019871      | 31.07.2015   | 376.562,29                                                                             |
| 5200019871      | 31.07.2015   | -376.562,29                                                                            |
| 5200019919      | 01.08.2015   | -376.562,29                                                                            |
| 5200015066      | 01.06.2015   | 370.489,60                                                                             |
| 5200014676      | 31.05.2015   | -370.489,60                                                                            |
| 5200000520      | 01.01.2017   | 370.103,91                                                                             |
| 5200034427      | 31.12.2016   | -370.103,91                                                                            |
| 5200023751      | 31.07.2017   | -369.397,37                                                                            |
| 4300301310      | 04.12.2017   | 368.246,08                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300315943      | 20.12.2017   | 365.412,00                                                                             |
| 4300304633      | 14.12.2017   | 364.214,84                                                                             |
| 5200000434      | 01.01.2015   | 363.857,89                                                                             |
| 5200031109      | 31.12.2014   | -363.857,89                                                                            |
| 5200031694      | 01.12.2015   | 362.997,99                                                                             |
| 5200031631      | 30.11.2015   | 362.997,99                                                                             |
| 5200031631      | 30.11.2015   | -362.997,99                                                                            |
| 5200031694      | 01.12.2015   | -362.997,99                                                                            |
| 5200021255      | 01.09.2014   | 359.248,26                                                                             |
| 5200020822      | 31.08.2014   | -359.248,26                                                                            |
| 4300304452      | 14.12.2017   | 357.952,00                                                                             |
| 4300304021      | 04.12.2017   | 357.784,00                                                                             |
| 5200023203      | 30.09.2014   | 356.861,47                                                                             |
| 4300314298      | 26.12.2017   | 356.554,00                                                                             |
| 5200029030      | 31.10.2016   | 356.108,44                                                                             |
| 4300286757      | 28.11.2017   | 355.661,14                                                                             |
| 5200020224      | 01.09.2012   | 355.405,85                                                                             |
| 5200019938      | 31.08.2012   | -355.405,85                                                                            |
| 4300315594      | 16.12.2017   | 353.670,25                                                                             |
| 5200035808      | 01.11.2017   | 352.947,18                                                                             |
| 5200040416      | 01.12.2017   | 352.947,18                                                                             |
| 5200035257      | 31.10.2017   | -352.947,18                                                                            |
| 5200039871      | 30.11.2017   | -352.947,18                                                                            |
| 5200033445      | 31.12.2015   | -351.662,24                                                                            |
| 5200017629      | 01.07.2015   | 350.939,21                                                                             |
| 5200017277      | 30.06.2015   | -350.939,21                                                                            |
| 5200023606      | 01.09.2016   | 345.681,98                                                                             |
| 5200023148      | 31.08.2016   | -345.681,98                                                                            |
| 5200022471      | 31.08.2015   | -339.147,87                                                                            |
| 4300302985      | 13.12.2017   | 335.357,55                                                                             |
| 5200000547      | 01.01.2013   | 334.615,49                                                                             |
| 5200030930      | 31.12.2012   | -334.615,49                                                                            |
| 4300312771      | 27.12.2017   | 334.166,97                                                                             |
| 5200020644      | 01.08.2016   | 333.519,98                                                                             |
| 5200020179      | 31.07.2016   | -333.519,98                                                                            |
| 5200040415      | 01.12.2017   | 332.754,98                                                                             |
| 5200039870      | 30.11.2017   | -332.754,98                                                                            |
| 4300305994      | 19.12.2017   | 329.088,32                                                                             |
| 5200017854      | 31.07.2014   | 328.712,03                                                                             |
| 5200000266      | 01.01.2016   | 328.447,25                                                                             |
| 5200033545      | 31.12.2015   | 328.447,25                                                                             |
| 5200033545      | 31.12.2015   | -328.447,25                                                                            |
| 5200000266      | 01.01.2016   | -328.447,25                                                                            |
| 5200000378      | 01.01.2017   | 328.445,73                                                                             |
| 5200034285      | 31.12.2016   | -328.445,73                                                                            |
| 5200020787      | 30.06.2017   | -327.595,14                                                                            |
| 5200016897      | 01.07.2016   | 326.627,91                                                                             |
| 5200016442      | 30.06.2016   | -326.627,91                                                                            |
| 4300298433      | 08.12.2017   | 326.457,32                                                                             |
| 4300315599      | 08.12.2017   | 325.844,61                                                                             |
| 5200026777      | 01.10.2016   | 325.644,23                                                                             |
| 5200026324      | 30.09.2016   | -325.644,23                                                                            |
| 5200005744      | 01.03.2016   | 325.493,75                                                                             |
| 5200005230      | 29.02.2016   | -325.493,75                                                                            |
| 5200012848      | 30.04.2017   | -324.672,09                                                                            |
| 5200032132      | 01.10.2017   | 324.172,32                                                                             |
| 5200031579      | 30.09.2017   | -324.172,32                                                                            |
| 4300108074      | 18.05.2017   | 323.654,50                                                                             |
| 5200014642      | 01.06.2016   | 323.545,88                                                                             |
| 5200014174      | 31.05.2016   | -323.545,88                                                                            |
| 5200042161      | 31.12.2017   | -322.891,41                                                                            |
| 5200013389      | 01.05.2017   | 322.409,40                                                                             |
| 5200013291      | 30.04.2017   | 322.409,40                                                                             |
| 5200013291      | 30.04.2017   | -322.409,40                                                                            |
| 5200013389      | 01.05.2017   | -322.409,40                                                                            |
| 5200008849      | 01.04.2017   | 321.035,49                                                                             |
| 5200008755      | 31.03.2017   | 321.035,49                                                                             |
| 5200008755      | 31.03.2017   | -321.035,49                                                                            |
| 5200008849      | 01.04.2017   | -321.035,49                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300302993      | 08.12.2017   | 319.431,70                                                                             |
| 5200022304      | 01.10.2012   | 318.352,83                                                                             |
| 5200022010      | 30.09.2012   | -318.352,83                                                                            |
| 5200014109      | 01.05.2017   | 318.094,96                                                                             |
| 5200013559      | 30.04.2017   | -318.094,96                                                                            |
| 5200026511      | 01.10.2015   | 317.742,14                                                                             |
| 5200026097      | 30.09.2015   | -317.742,14                                                                            |
| 4300305368      | 11.12.2017   | 313.685,35                                                                             |
| 5200002101      | 31.01.2017   | -313.543,33                                                                            |
| 5200005701      | 01.03.2017   | 312.730,93                                                                             |
| 5200005600      | 28.02.2017   | 312.730,93                                                                             |
| 5200005600      | 28.02.2017   | -312.730,93                                                                            |
| 5200005701      | 01.03.2017   | -312.730,93                                                                            |
| 4300296495      | 07.12.2017   | 311.780,00                                                                             |
| 5200028711      | 01.11.2015   | 311.762,51                                                                             |
| 5200028669      | 31.10.2015   | 311.762,51                                                                             |
| 5200028669      | 31.10.2015   | -311.762,51                                                                            |
| 5200028711      | 01.11.2015   | -311.762,51                                                                            |
| 5200031891      | 01.12.2013   | 311.346,21                                                                             |
| 5200031536      | 30.11.2013   | -311.346,21                                                                            |
| 5200023712      | 01.10.2014   | 311.045,89                                                                             |
| 5200023387      | 30.09.2014   | -311.045,89                                                                            |
| 4300281368      | 16.11.2017   | 308.565,76                                                                             |
| 5200010960      | 01.05.2016   | 308.124,53                                                                             |
| 5200010483      | 30.04.2016   | -308.124,53                                                                            |
| 4300315716      | 14.12.2017   | 307.020,00                                                                             |
| 4300306536      | 13.12.2017   | 306.960,19                                                                             |
| 5200028601      | 01.09.2017   | 306.410,07                                                                             |
| 5200028045      | 31.08.2017   | -306.410,07                                                                            |
| 5200025924      | 01.10.2015   | 305.711,64                                                                             |
| 5200025879      | 30.09.2015   | 305.711,64                                                                             |
| 5200025879      | 30.09.2015   | -305.711,64                                                                            |
| 5200025924      | 01.10.2015   | -305.711,64                                                                            |
| 4300297538      | 05.12.2017   | 305.296,27                                                                             |
| 5200015580      | 01.07.2014   | 304.987,92                                                                             |
| 5200015152      | 30.06.2014   | -304.987,92                                                                            |
| 4300274421      | 15.11.2017   | 304.091,96                                                                             |
| 5200005032      | 01.03.2016   | 304.038,73                                                                             |
| 5200004959      | 29.02.2016   | 304.038,73                                                                             |
| 5200004959      | 29.02.2016   | -304.038,73                                                                            |
| 5200005032      | 01.03.2016   | -304.038,73                                                                            |
| 4300313980      | 28.12.2017   | 303.299,23                                                                             |
| 5200000858      | 31.01.2009   | 301.670,08                                                                             |
| 4300285878      | 24.11.2017   | 301.259,79                                                                             |
| 4300312922      | 22.12.2017   | 300.494,94                                                                             |
| 4300284849      | 14.11.2017   | 299.415,00                                                                             |
| 4300306068      | 16.12.2017   | 299.362,94                                                                             |
| 5200017985      | 01.06.2017   | 298.442,21                                                                             |
| 5200017431      | 31.05.2017   | -298.442,21                                                                            |
| 5200032058      | 30.11.2016   | 295.886,07                                                                             |
| 5200022241      | 01.10.2012   | 295.880,07                                                                             |
| 5200021947      | 30.09.2012   | -295.880,07                                                                            |
| 4300310527      | 20.12.2017   | 295.472,67                                                                             |
| 5200014777      | 01.06.2016   | 294.466,33                                                                             |
| 5200014309      | 31.05.2016   | -294.466,33                                                                            |
| 4300309470      | 21.12.2017   | 293.750,00                                                                             |
| 5200022688      | 01.09.2015   | 293.401,78                                                                             |
| 5200022652      | 31.08.2015   | 293.401,78                                                                             |
| 5200022652      | 31.08.2015   | -293.401,78                                                                            |
| 5200022688      | 01.09.2015   | -293.401,78                                                                            |
| 5200026465      | 01.11.2014   | 290.170,46                                                                             |
| 5200026112      | 31.10.2014   | -290.170,46                                                                            |
| 5200028448      | 01.09.2017   | 289.411,36                                                                             |
| 5200027892      | 31.08.2017   | -289.411,36                                                                            |
| 4300273349      | 13.11.2017   | 289.086,87                                                                             |
| 4300313363      | 27.12.2017   | 289.078,41                                                                             |
| 4300311047      | 19.12.2017   | 285.994,97                                                                             |
| 5200008648      | 01.04.2016   | 285.778,62                                                                             |
| 5200008164      | 31.03.2016   | -285.778,62                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300312976      | 05.12.2017   | 285.600,00                                                                             |
| 4300271033      | 14.11.2017   | 285.600,00                                                                             |
| 5200030864      | 31.12.2014   | 285.117,53                                                                             |
| 5200040410      | 01.12.2017   | 284.565,24                                                                             |
| 5200039865      | 30.11.2017   | -284.565,24                                                                            |
| 5200012187      | 01.05.2015   | 283.114,15                                                                             |
| 5200011774      | 30.04.2015   | -283.114,15                                                                            |
| 5200017408      | 01.06.2017   | 282.700,99                                                                             |
| 5200017306      | 31.05.2017   | 282.700,99                                                                             |
| 5200017306      | 31.05.2017   | -282.700,99                                                                            |
| 5200017408      | 01.06.2017   | -282.700,99                                                                            |
| 4300292104      | 05.12.2017   | 282.455,56                                                                             |
| 5200017068      | 31.05.2017   | -282.313,34                                                                            |
| 2731050         | 31.12.1996   | 281.318,14                                                                             |
| 2731051         | 02.01.1997   | -281.318,14                                                                            |
| 5200020326      | 01.08.2015   | 279.430,36                                                                             |
| 5200019959      | 31.07.2015   | -279.430,36                                                                            |
| 5200007915      | 31.03.2016   | -279.089,22                                                                            |
| 5200029349      | 01.11.2013   | 278.351,60                                                                             |
| 5200029008      | 31.10.2013   | -278.351,60                                                                            |
| 4300308115      | 20.12.2017   | 278.281,34                                                                             |
| 5200001230      | 01.02.2016   | 277.533,05                                                                             |
| 5200001174      | 31.01.2016   | 277.533,05                                                                             |
| 5200001174      | 31.01.2016   | -277.533,05                                                                            |
| 5200001230      | 01.02.2016   | -277.533,05                                                                            |
| 5200007522      | 30.11.2010   | 276.512,74                                                                             |
| 5200008140      | 01.04.2016   | 276.279,50                                                                             |
| 5200008071      | 31.03.2016   | 276.279,50                                                                             |
| 5200008071      | 31.03.2016   | -276.279,50                                                                            |
| 5200008140      | 01.04.2016   | -276.279,50                                                                            |
| 5200003000      | 01.02.2017   | 275.982,48                                                                             |
| 5200002454      | 31.01.2017   | -275.982,48                                                                            |
| 4300307661      | 16.12.2017   | 274.497,92                                                                             |
| 5200032144      | 01.10.2017   | 274.219,93                                                                             |
| 5200031591      | 30.09.2017   | -274.219,93                                                                            |
| 4300308313      | 20.12.2017   | 273.775,50                                                                             |
| 5200018523      | 01.08.2014   | 273.102,98                                                                             |
| 5200018100      | 31.07.2014   | -273.102,98                                                                            |
| 4300311458      | 21.12.2017   | 272.986,00                                                                             |
| 5200009405      | 01.04.2017   | 272.186,20                                                                             |
| 5200008873      | 31.03.2017   | -272.186,20                                                                            |
| 5200021683      | 01.07.2017   | 271.656,42                                                                             |
| 5200021132      | 30.06.2017   | -271.656,42                                                                            |
| 4300288181      | 15.11.2017   | 271.448,38                                                                             |
| 5200029243      | 01.11.2013   | 271.143,55                                                                             |
| 5200028902      | 31.10.2013   | -271.143,55                                                                            |
| 4300291904      | 04.12.2017   | 270.368,00                                                                             |
| 4300312575      | 23.12.2017   | 269.281,59                                                                             |
| 5200035802      | 01.11.2017   | 269.103,42                                                                             |
| 5200035251      | 31.10.2017   | -269.103,42                                                                            |
| 5200006163      | 30.09.2010   | -269.067,28                                                                            |
| 5200007052      | 01.04.2014   | 268.698,57                                                                             |
| 5200006648      | 31.03.2014   | -268.698,57                                                                            |
| 4300314760      | 28.12.2017   | 264.076,91                                                                             |
| 5200013913      | 31.05.2016   | 263.112,21                                                                             |
| 4300315545      | 29.12.2017   | 262.925,86                                                                             |
| 5200009826      | 01.05.2014   | 261.571,98                                                                             |
| 5200009404      | 30.04.2014   | -261.571,98                                                                            |
| 4500002154      | 30.11.2017   | -260.178,19                                                                            |
| 5200017029      | 01.07.2016   | 256.938,05                                                                             |
| 5200016574      | 30.06.2016   | -256.938,05                                                                            |
| 5200015468      | 01.07.2014   | 256.189,72                                                                             |
| 5200015040      | 30.06.2014   | -256.189,72                                                                            |
| 4500002370      | 19.12.2017   | -255.850,00                                                                            |
| 5200004011      | 28.02.2015   | 255.712,98                                                                             |
| 5200017632      | 01.07.2015   | 254.043,82                                                                             |
| 5200017280      | 30.06.2015   | -254.043,82                                                                            |
| 5200007451      | 31.10.2008   | 253.385,46                                                                             |
| 5200032119      | 01.12.2015   | 251.241,87                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031716      | 30.11.2015   | -251.241,87                                                                            |
| 4300253088      | 23.10.2017   | 251.041,79                                                                             |
| 5200011110      | 01.05.2016   | 250.307,43                                                                             |
| 5200010633      | 30.04.2016   | -250.307,43                                                                            |
| 4300302259      | 11.12.2017   | 250.000,00                                                                             |
| 4300308411      | 16.12.2017   | 248.513,11                                                                             |
| 5200023235      | 01.09.2015   | 248.134,15                                                                             |
| 5200022856      | 31.08.2015   | -248.134,15                                                                            |
| 5200012044      | 01.05.2015   | 247.203,59                                                                             |
| 5200011631      | 30.04.2015   | -247.203,59                                                                            |
| 5200012508      | 01.06.2014   | 246.750,14                                                                             |
| 5200012063      | 31.05.2014   | -246.750,14                                                                            |
| 5200000511      | 01.01.2013   | 246.647,39                                                                             |
| 5200030894      | 31.12.2012   | -246.647,39                                                                            |
| 5200000346      | 01.01.2014   | 245.255,98                                                                             |
| 5200033653      | 31.12.2013   | -245.255,98                                                                            |
| 5200014118      | 01.06.2016   | 244.206,10                                                                             |
| 5200014054      | 31.05.2016   | 244.206,10                                                                             |
| 5200014054      | 31.05.2016   | -244.206,10                                                                            |
| 5200014118      | 01.06.2016   | -244.206,10                                                                            |
| 5200010452      | 01.05.2016   | 244.151,96                                                                             |
| 5200010394      | 30.04.2016   | 244.151,96                                                                             |
| 5200010394      | 30.04.2016   | -244.151,96                                                                            |
| 5200010452      | 01.05.2016   | -244.151,96                                                                            |
| 5200014640      | 01.06.2016   | 244.065,94                                                                             |
| 5200014172      | 31.05.2016   | -244.065,94                                                                            |
| 4300306898      | 16.12.2017   | 243.613,92                                                                             |
| 4300309914      | 19.12.2017   | 243.371,72                                                                             |
| 4300315203      | 23.12.2017   | 242.936,06                                                                             |
| 4300302998      | 12.12.2017   | 242.688,60                                                                             |
| 4300303434      | 11.12.2017   | 242.335,44                                                                             |
| 4300312972      | 22.12.2017   | 241.802,32                                                                             |
| 4300306254      | 14.12.2017   | 241.667,00                                                                             |
| 5200006255      | 01.03.2017   | 241.232,56                                                                             |
| 5200005716      | 28.02.2017   | -241.232,56                                                                            |
| 4300297481      | 07.12.2017   | 239.132,52                                                                             |
| 5200026597      | 01.10.2013   | 238.721,50                                                                             |
| 5200026230      | 30.09.2013   | -238.721,50                                                                            |
| 5200007246      | 31.03.2015   | 238.073,32                                                                             |
| 5200039541      | 30.11.2017   | -237.965,39                                                                            |
| 4300301288      | 14.12.2017   | 237.728,00                                                                             |
| 4300281303      | 22.11.2017   | 235.905,60                                                                             |
| 4300313331      | 23.12.2017   | -235.388,60                                                                            |
| 5200017633      | 01.08.2012   | 234.855,80                                                                             |
| 5200017347      | 31.07.2012   | -234.855,80                                                                            |
| 5200002346      | 01.02.2015   | 233.368,50                                                                             |
| 5200001923      | 31.01.2015   | -233.368,50                                                                            |
| 5200008577      | 31.12.2008   | -233.349,83                                                                            |
| 5200032128      | 01.12.2015   | 232.358,32                                                                             |
| 5200031725      | 30.11.2015   | -232.358,32                                                                            |
| 5200014837      | 01.07.2012   | 232.142,74                                                                             |
| 5200014547      | 30.06.2012   | -232.142,74                                                                            |
| 4300313129      | 18.12.2017   | 229.500,00                                                                             |
| 4500002004      | 17.11.2017   | -228.816,95                                                                            |
| 4300288905      | 28.11.2017   | 227.482,97                                                                             |
| 5200000291      | 01.01.2015   | 226.966,49                                                                             |
| 5200030966      | 31.12.2014   | -226.966,49                                                                            |
| 5200031780      | 01.12.2013   | 226.186,78                                                                             |
| 5200031425      | 30.11.2013   | -226.186,78                                                                            |
| 4300315600      | 08.12.2017   | 226.066,21                                                                             |
| 5200014921      | 01.06.2015   | 225.978,41                                                                             |
| 5200014531      | 31.05.2015   | -225.978,41                                                                            |
| 5200028795      | 01.12.2012   | 225.670,96                                                                             |
| 5200028486      | 30.11.2012   | -225.670,96                                                                            |
| 5200016418      | 01.07.2016   | 225.432,16                                                                             |
| 5200016358      | 30.06.2016   | 225.432,16                                                                             |
| 5200016358      | 30.06.2016   | -225.432,16                                                                            |
| 5200016418      | 01.07.2016   | -225.432,16                                                                            |
| 5200023897      | 01.09.2013   | 225.369,77                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023545      | 31.08.2013   | -225.369,77                                                                            |
| 5200017623      | 01.07.2015   | 225.041,16                                                                             |
| 5200017271      | 30.06.2015   | -225.041,16                                                                            |
| 4300309148      | 08.12.2017   | 224.381,14                                                                             |
| 5200029825      | 01.11.2016   | 224.086,49                                                                             |
| 5200029376      | 31.10.2016   | -224.086,49                                                                            |
| 5200023091      | 01.09.2015   | 223.517,64                                                                             |
| 5200022712      | 31.08.2015   | -223.517,64                                                                            |
| 5200026362      | 01.10.2015   | 222.700,64                                                                             |
| 5200025948      | 30.09.2015   | -222.700,64                                                                            |
| 5200018392      | 01.08.2014   | 222.505,18                                                                             |
| 5200017969      | 31.07.2014   | -222.505,18                                                                            |
| 5200020157      | 01.08.2016   | 222.407,38                                                                             |
| 5200020095      | 31.07.2016   | 222.407,38                                                                             |
| 5200020095      | 31.07.2016   | -222.407,38                                                                            |
| 5200020157      | 01.08.2016   | -222.407,38                                                                            |
| 5200007871      | 01.04.2015   | 222.179,31                                                                             |
| 5200007469      | 31.03.2015   | -222.179,31                                                                            |
| 5200029174      | 01.11.2015   | 220.422,69                                                                             |
| 5200028766      | 31.10.2015   | -220.422,69                                                                            |
| 4300310861      | 20.12.2017   | 220.331,83                                                                             |
| 5200007160      | 01.04.2014   | 219.601,50                                                                             |
| 5200006756      | 31.03.2014   | -219.601,50                                                                            |
| 4800068331      | 19.12.2017   | 219.066,42                                                                             |
| 5200010258      | 30.04.2016   | -217.899,98                                                                            |
| 5200004649      | 01.03.2015   | 217.546,80                                                                             |
| 5200004219      | 28.02.2015   | -217.546,80                                                                            |
| 5200021281      | 01.08.2013   | 216.689,61                                                                             |
| 5200020926      | 31.07.2013   | -216.689,61                                                                            |
| 5200004197      | 01.03.2012   | 216.010,22                                                                             |
| 5200003925      | 29.02.2012   | -216.010,22                                                                            |
| 5200001754      | 01.02.2016   | 215.000,00                                                                             |
| 5200005588      | 01.03.2016   | 215.000,00                                                                             |
| 5200008659      | 01.04.2016   | 215.000,00                                                                             |
| 5200001270      | 31.01.2016   | -215.000,00                                                                            |
| 5200005074      | 29.02.2016   | -215.000,00                                                                            |
| 5200008175      | 31.03.2016   | -215.000,00                                                                            |
| 5200004289      | 01.03.2014   | 214.899,62                                                                             |
| 5200003890      | 28.02.2014   | -214.899,62                                                                            |
| 5200010967      | 01.05.2016   | 214.595,52                                                                             |
| 5200010490      | 30.04.2016   | -214.595,52                                                                            |
| 5200005576      | 01.03.2016   | 214.456,30                                                                             |
| 5200005062      | 29.02.2016   | -214.456,30                                                                            |
| 4300290874      | 01.12.2017   | 214.274,97                                                                             |
| 5200001742      | 01.02.2016   | 214.215,77                                                                             |
| 5200001258      | 31.01.2016   | -214.215,77                                                                            |
| 5200020559      | 31.08.2014   | 213.577,87                                                                             |
| 5200000273      | 01.01.2016   | 213.317,66                                                                             |
| 5200033559      | 31.12.2015   | -213.317,66                                                                            |
| 4300295534      | 06.12.2017   | 213.276,23                                                                             |
| 5200023124      | 01.09.2016   | 212.891,93                                                                             |
| 5200023059      | 31.08.2016   | 212.891,93                                                                             |
| 5200023059      | 31.08.2016   | -212.891,93                                                                            |
| 5200023124      | 01.09.2016   | -212.891,93                                                                            |
| 4300315128      | 07.12.2017   | 211.640,39                                                                             |
| 5200018420      | 01.07.2013   | 209.979,47                                                                             |
| 5200018043      | 30.06.2013   | -209.979,47                                                                            |
| 5200032314      | 01.12.2016   | 209.105,60                                                                             |
| 5200032250      | 30.11.2016   | 209.105,60                                                                             |
| 5200032250      | 30.11.2016   | -209.105,60                                                                            |
| 5200032314      | 01.12.2016   | -209.105,60                                                                            |
| 5200002340      | 01.02.2012   | 209.017,60                                                                             |
| 5200002098      | 31.01.2012   | -209.017,60                                                                            |
| 4300307671      | 16.12.2017   | 207.894,26                                                                             |
| 4300312190      | 21.12.2017   | 207.839,82                                                                             |
| 4300307400      | 14.12.2017   | 207.256,64                                                                             |
| 4300304996      | 14.12.2017   | 206.227,03                                                                             |
| 4300273719      | 15.11.2017   | 205.692,42                                                                             |
| 5200001536      | 01.02.2014   | 203.945,52                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001167      | 31.01.2014   | -203.945,52                                                                            |
| 4300297449      | 05.12.2017   | 203.906,27                                                                             |
| 5200000337      | 01.01.2014   | 203.080,00                                                                             |
| 5200033644      | 31.12.2013   | -203.080,00                                                                            |
| 5200029346      | 01.11.2016   | 202.073,84                                                                             |
| 5200029287      | 31.10.2016   | 202.073,84                                                                             |
| 5200029287      | 31.10.2016   | -202.073,84                                                                            |
| 5200029346      | 01.11.2016   | -202.073,84                                                                            |
| 4300296373      | 08.12.2017   | 202.063,58                                                                             |
| 4300294629      | 07.12.2017   | 201.761,15                                                                             |
| 5200008008      | 01.04.2015   | 201.213,87                                                                             |
| 5200007606      | 31.03.2015   | -201.213,87                                                                            |
| 4300315949      | 21.12.2017   | 200.505,86                                                                             |
| 4300308161      | 20.12.2017   | 200.000,00                                                                             |
| 5200026233      | 01.10.2016   | 198.986,25                                                                             |
| 5200026170      | 30.09.2016   | 198.986,25                                                                             |
| 5200026170      | 30.09.2016   | -198.986,25                                                                            |
| 5200026233      | 01.10.2016   | -198.986,25                                                                            |
| 5200032142      | 01.10.2017   | 198.863,20                                                                             |
| 5200031589      | 30.09.2017   | -198.863,20                                                                            |
| 4300299024      | 04.12.2017   | 198.514,24                                                                             |
| 4300108047      | 19.05.2017   | 198.485,42                                                                             |
| 4300288783      | 16.11.2017   | 198.290,83                                                                             |
| 4300287177      | 30.11.2017   | 198.034,69                                                                             |
| 4300310864      | 20.12.2017   | 196.697,55                                                                             |
| 4300299820      | 12.12.2017   | 195.465,83                                                                             |
| 5200042145      | 31.12.2017   | 195.313,97                                                                             |
| 5200042145      | 31.12.2017   | -195.313,97                                                                            |
| 5200000364      | 01.01.2017   | 195.295,73                                                                             |
| 5200034271      | 31.12.2016   | 195.295,73                                                                             |
| 5200034271      | 31.12.2016   | -195.295,73                                                                            |
| 5200000364      | 01.01.2017   | -195.295,73                                                                            |
| 5200034843      | 31.10.2017   | 195.234,63                                                                             |
| 4300297815      | 05.12.2017   | 195.041,00                                                                             |
| 5200035814      | 01.11.2017   | 194.351,75                                                                             |
| 5200035263      | 31.10.2017   | -194.351,75                                                                            |
| 4300302971      | 13.12.2017   | 194.289,10                                                                             |
| 5200028599      | 01.09.2017   | 192.591,55                                                                             |
| 5200028043      | 31.08.2017   | -192.591,55                                                                            |
| 5200026368      | 01.10.2015   | 190.960,00                                                                             |
| 5200025954      | 30.09.2015   | -190.960,00                                                                            |
| 5200000438      | 01.01.2014   | 190.562,34                                                                             |
| 5200033745      | 31.12.2013   | -190.562,34                                                                            |
| 5200021122      | 01.07.2017   | 190.342,73                                                                             |
| 5200021034      | 30.06.2017   | 190.342,73                                                                             |
| 5200021034      | 30.06.2017   | -190.342,73                                                                            |
| 5200021122      | 01.07.2017   | -190.342,73                                                                            |
| 5200028454      | 01.09.2017   | 189.825,99                                                                             |
| 5200027898      | 31.08.2017   | -189.825,99                                                                            |
| 4300294342      | 05.12.2017   | 187.754,68                                                                             |
| 4300304992      | 14.12.2017   | 187.378,80                                                                             |
| 5200034425      | 31.12.2016   | -186.716,45                                                                            |
| 4300285778      | 21.11.2017   | 186.489,46                                                                             |
| 4300287321      | 07.11.2017   | 186.366,36                                                                             |
| 5200026783      | 01.10.2016   | 185.743,03                                                                             |
| 5200026330      | 30.09.2016   | -185.743,03                                                                            |
| 4300314294      | 26.12.2017   | 184.143,00                                                                             |
| 4300306663      | 16.12.2017   | 183.491,55                                                                             |
| 4300286193      | 28.11.2017   | 181.290,69                                                                             |
| 5200025812      | 31.10.2014   | 179.849,08                                                                             |
| 5200028460      | 01.09.2017   | 179.072,51                                                                             |
| 5200027904      | 31.08.2017   | -179.072,51                                                                            |
| 5200039842      | 01.12.2017   | 178.891,70                                                                             |
| 5200039747      | 30.11.2017   | 178.891,70                                                                             |
| 5200039747      | 30.11.2017   | -178.891,70                                                                            |
| 5200039842      | 01.12.2017   | -178.891,70                                                                            |
| 4300305457      | 06.12.2017   | 178.500,00                                                                             |
| 5200027831      | 01.09.2017   | 178.127,57                                                                             |
| 5200027757      | 31.08.2017   | 178.127,57                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200027757      | 31.08.2017   | -178.127,57                                                                            |
| 5200027831      | 01.09.2017   | -178.127,57                                                                            |
| 5200002701      | 31.01.2013   | -178.112,64                                                                            |
| 5200013971      | 01.05.2017   | 177.521,53                                                                             |
| 5200013421      | 30.04.2017   | -177.521,53                                                                            |
| 5200000478      | 01.01.2012   | 177.372,32                                                                             |
| 5200020007      | 31.12.2011   | -177.372,32                                                                            |
| 4300272968      | 14.11.2017   | 176.984,51                                                                             |
| 4300291047      | 05.12.2017   | 176.843,24                                                                             |
| 4300121146      | 02.06.2017   | 175.872,45                                                                             |
| 5200008793      | 01.04.2016   | 175.719,20                                                                             |
| 5200008309      | 31.03.2016   | -175.719,20                                                                            |
| 4300275412      | 17.11.2017   | 175.705,99                                                                             |
| 5200004797      | 01.03.2015   | 175.627,85                                                                             |
| 5200004367      | 28.02.2015   | -175.627,85                                                                            |
| 4300287920      | 27.11.2017   | 175.305,05                                                                             |
| 4300315672      | 20.12.2017   | 175.202,61                                                                             |
| 4300309473      | 21.12.2017   | 174.400,00                                                                             |
| 5200000518      | 01.01.2017   | 173.613,54                                                                             |
| 5200031516      | 01.10.2017   | 173.559,71                                                                             |
| 5200035228      | 01.11.2017   | 173.559,71                                                                             |
| 5200031445      | 30.09.2017   | 173.559,71                                                                             |
| 5200035149      | 31.10.2017   | 173.559,71                                                                             |
| 5200031445      | 30.09.2017   | -173.559,71                                                                            |
| 5200035149      | 31.10.2017   | -173.559,71                                                                            |
| 5200031516      | 01.10.2017   | -173.559,71                                                                            |
| 5200035228      | 01.11.2017   | -173.559,71                                                                            |
| 4300286229      | 29.11.2017   | 173.452,53                                                                             |
| 4300182641      | 08.09.2017   | 171.899,60                                                                             |
| 5200024079      | 01.08.2017   | 171.803,02                                                                             |
| 5200024007      | 31.07.2017   | 171.803,02                                                                             |
| 5200024007      | 31.07.2017   | -171.803,02                                                                            |
| 5200024079      | 01.08.2017   | -171.803,02                                                                            |
| 4300257983      | 20.12.2017   | -171.440,19                                                                            |
| 5200007565      | 01.03.2013   | 171.413,81                                                                             |
| 5200007234      | 28.02.2013   | -171.413,81                                                                            |
| 4300297722      | 06.12.2017   | 170.978,83                                                                             |
| 5200008646      | 01.04.2016   | 169.163,65                                                                             |
| 5200008162      | 31.03.2016   | -169.163,65                                                                            |
| 4300288873      | 15.11.2017   | 168.966,46                                                                             |
| 4300287754      | 27.11.2017   | 167.807,91                                                                             |
| 5200015683      | 01.06.2013   | 167.575,28                                                                             |
| 5200015326      | 31.05.2013   | -167.575,28                                                                            |
| 5200010441      | 01.04.2013   | 167.524,03                                                                             |
| 5200010100      | 31.03.2013   | -167.524,03                                                                            |
| 4300306667      | 15.12.2017   | -167.283,88                                                                            |
| 4300301568      | 09.12.2017   | 166.732,04                                                                             |
| 4300298791      | 11.12.2017   | 166.644,24                                                                             |
| 4300313071      | 27.12.2017   | 166.573,45                                                                             |
| 4500002299      | 12.12.2017   | -166.228,70                                                                            |
| 5200023825      | 01.10.2014   | 165.946,90                                                                             |
| 5200023500      | 30.09.2014   | -165.946,90                                                                            |
| 4300310699      | 22.12.2017   | 165.768,66                                                                             |
| 4300294194      | 05.12.2017   | 165.615,16                                                                             |
| 5200023099      | 01.09.2015   | 165.572,81                                                                             |
| 5200022720      | 31.08.2015   | -165.572,81                                                                            |
| 4300227160      | 12.09.2017   | 163.956,00                                                                             |
| 4300291569      | 05.12.2017   | 163.259,98                                                                             |
| 4300277900      | 13.11.2017   | 163.000,00                                                                             |
| 4300287929      | 07.11.2017   | 162.881,41                                                                             |
| 5200006394      | 01.03.2017   | 162.457,56                                                                             |
| 5200005855      | 28.02.2017   | -162.457,56                                                                            |
| 4300313486      | 02.12.2017   | 161.072,18                                                                             |
| 5200018390      | 01.08.2014   | 160.790,89                                                                             |
| 5200021115      | 01.09.2014   | 160.790,89                                                                             |
| 5200017967      | 31.07.2014   | -160.790,89                                                                            |
| 5200020682      | 31.08.2014   | -160.790,89                                                                            |
| 4300314247      | 01.12.2017   | 160.000,00                                                                             |
| 5200015466      | 01.07.2014   | 159.792,64                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026347      | 01.11.2014   | 159.792,64                                                                             |
| 5200029009      | 01.12.2014   | 159.792,64                                                                             |
| 5200000298      | 01.01.2015   | 159.792,64                                                                             |
| 5200015038      | 30.06.2014   | -159.792,64                                                                            |
| 5200025994      | 31.10.2014   | -159.792,64                                                                            |
| 5200028646      | 30.11.2014   | -159.792,64                                                                            |
| 5200030973      | 31.12.2014   | -159.792,64                                                                            |
| 5200019049      | 30.11.2011   | 158.939,62                                                                             |
| 4300298892      | 12.12.2017   | 158.899,96                                                                             |
| 5200015630      | 30.09.2011   | 158.453,34                                                                             |
| 4300284891      | 21.11.2017   | 157.904,36                                                                             |
| 4300284924      | 21.11.2017   | 157.904,36                                                                             |
| 5200026723      | 01.10.2013   | 157.098,42                                                                             |
| 5200026356      | 30.09.2013   | -157.098,42                                                                            |
| 4300274197      | 16.11.2017   | 156.426,38                                                                             |
| 5200021252      | 01.09.2014   | 156.221,60                                                                             |
| 5200020819      | 31.08.2014   | -156.221,60                                                                            |
| 5200032252      | 01.12.2015   | 155.203,48                                                                             |
| 5200031849      | 30.11.2015   | -155.203,48                                                                            |
| 5200020333      | 01.08.2015   | 155.018,05                                                                             |
| 5200019966      | 31.07.2015   | -155.018,05                                                                            |
| 4300315726      | 05.12.2017   | 154.700,00                                                                             |
| 4300315871      | 08.12.2017   | 154.700,00                                                                             |
| 4300265459      | 06.11.2017   | 154.700,00                                                                             |
| 5200009822      | 01.05.2014   | 154.600,00                                                                             |
| 5200009400      | 30.04.2014   | -154.600,00                                                                            |
| 5200003158      | 01.02.2017   | 154.501,93                                                                             |
| 5200002612      | 31.01.2017   | -154.501,93                                                                            |
| 4300312088      | 21.12.2017   | 153.678,38                                                                             |
| 5200026726      | 01.10.2013   | 153.500,77                                                                             |
| 5200026359      | 30.09.2013   | -153.500,77                                                                            |
| 4300268877      | 07.11.2017   | 153.460,28                                                                             |
| 5200029945      | 01.11.2016   | 153.433,98                                                                             |
| 5200029496      | 31.10.2016   | -153.433,98                                                                            |
| 5200007102      | 28.02.2013   | 152.560,43                                                                             |
| 5200011945      | 31.05.2014   | 151.851,24                                                                             |
| 5200000299      | 01.01.2015   | 151.752,02                                                                             |
| 5200030974      | 31.12.2014   | -151.752,02                                                                            |
| 4300315185      | 29.12.2017   | 151.714,18                                                                             |
| 4300306839      | 14.12.2017   | 151.500,10                                                                             |
| 5200001648      | 01.02.2014   | 150.906,28                                                                             |
| 5200001279      | 31.01.2014   | -150.906,28                                                                            |
| 5200024846      | 01.08.2017   | 148.879,81                                                                             |
| 5200024302      | 31.07.2017   | -148.879,81                                                                            |
| 4300303262      | 12.12.2017   | 148.858,75                                                                             |
| 4300311792      | 22.12.2017   | 148.750,00                                                                             |
| 4300301827      | 13.12.2017   | 148.272,57                                                                             |
| 5200018552      | 01.07.2013   | 148.141,90                                                                             |
| 5200018154      | 30.06.2013   | -148.141,90                                                                            |
| 5200017575      | 01.08.2012   | 147.897,27                                                                             |
| 5200017289      | 31.07.2012   | -147.897,27                                                                            |
| 5200019769      | 31.07.2015   | 147.412,52                                                                             |
| 5200009414      | 01.04.2017   | 147.235,88                                                                             |
| 5200008882      | 31.03.2017   | -147.235,88                                                                            |
| 5200000507      | 01.01.2013   | 147.020,08                                                                             |
| 5200030890      | 31.12.2012   | -147.020,08                                                                            |
| 4300313322      | 21.12.2017   | 146.341,90                                                                             |
| 4300278510      | 09.11.2017   | 145.211,96                                                                             |
| 5200032283      | 01.10.2017   | 144.985,36                                                                             |
| 5200031730      | 30.09.2017   | -144.985,36                                                                            |
| 5200028458      | 01.09.2017   | 143.398,12                                                                             |
| 5200027902      | 31.08.2017   | -143.398,12                                                                            |
| 4300286497      | 28.11.2017   | 143.193,16                                                                             |
| 5200031276      | 30.09.2017   | 143.066,98                                                                             |
| 4300294226      | 05.12.2017   | 142.800,00                                                                             |
| 5200011655      | 31.05.2012   | 142.788,16                                                                             |
| 5200005144      | 28.02.2017   | 142.711,62                                                                             |
| 5200017636      | 01.08.2012   | 141.632,49                                                                             |
| 5200017350      | 31.07.2012   | -141.632,49                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300310909      | 19.12.2017   | 141.538,60                                                                             |
| 5200020283      | 01.09.2012   | 141.343,10                                                                             |
| 5200019997      | 31.08.2012   | -141.343,10                                                                            |
| 4300303146      | 15.12.2017   | 141.264,52                                                                             |
| 4300281007      | 21.11.2017   | 141.096,42                                                                             |
| 4300219043      | 08.10.2017   | 140.752,80                                                                             |
| 5200006004      | 31.08.2008   | 140.713,41                                                                             |
| 4300292914      | 01.12.2017   | 140.421,09                                                                             |
| 5200004794      | 01.03.2015   | 140.314,64                                                                             |
| 5200004364      | 28.02.2015   | -140.314,64                                                                            |
| 4300253093      | 23.10.2017   | 139.432,07                                                                             |
| 4300288100      | 24.11.2017   | 139.199,77                                                                             |
| 5200023992      | 01.09.2013   | 138.823,28                                                                             |
| 5200023640      | 31.08.2013   | -138.823,28                                                                            |
| 5200033449      | 31.12.2015   | -138.705,04                                                                            |
| 5200002329      | 31.03.2009   | -138.501,00                                                                            |
| 5200023613      | 01.09.2016   | 138.186,83                                                                             |
| 5200023155      | 31.08.2016   | -138.186,83                                                                            |
| 4300273900      | 15.11.2017   | 138.099,50                                                                             |
| 5200015064      | 01.06.2015   | 137.286,35                                                                             |
| 5200014674      | 31.05.2015   | -137.286,35                                                                            |
| 5200021118      | 01.09.2014   | 136.972,50                                                                             |
| 5200020685      | 31.08.2014   | -136.972,50                                                                            |
| 5200018520      | 01.08.2014   | 136.716,65                                                                             |
| 5200018097      | 31.07.2014   | -136.716,65                                                                            |
| 5200003760      | 31.05.2009   | -136.639,29                                                                            |
| 5200003996      | 29.02.2016   | 136.316,13                                                                             |
| 4300274274      | 06.11.2017   | 135.544,56                                                                             |
| 5200002354      | 01.02.2015   | 135.279,52                                                                             |
| 5200001931      | 31.01.2015   | -135.279,52                                                                            |
| 4300309888      | 21.12.2017   | 134.693,33                                                                             |
| 5200032811      | 01.12.2016   | 134.622,73                                                                             |
| 5200032347      | 30.11.2016   | -134.622,73                                                                            |
| 4300301341      | 14.12.2017   | 134.404,00                                                                             |
| 4300294631      | 06.12.2017   | -134.096,66                                                                            |
| 5200027583      | 31.08.2017   | -134.069,45                                                                            |
| 4300311419      | 21.12.2017   | 134.000,00                                                                             |
| 5200041958      | 31.12.2017   | -133.458,31                                                                            |
| 4300203104      | 20.08.2014   | 133.280,00                                                                             |
| 4300310931      | 06.12.2017   | 133.230,44                                                                             |
| 5200008417      | 31.12.2009   | 132.970,86                                                                             |
| 4300308711      | 16.12.2017   | 132.715,36                                                                             |
| 4300297374      | 04.12.2017   | 132.700,75                                                                             |
| 4300311721      | 22.12.2017   | 132.538,77                                                                             |
| 4300273348      | 13.11.2017   | 132.530,90                                                                             |
| 4300310934      | 21.12.2017   | 132.191,88                                                                             |
| 5200000289      | 01.01.2015   | 131.959,15                                                                             |
| 5200030964      | 31.12.2014   | -131.959,15                                                                            |
| 4300302982      | 13.12.2017   | 131.908,06                                                                             |
| 5200029346      | 01.11.2013   | 131.737,72                                                                             |
| 5200029005      | 31.10.2013   | -131.737,72                                                                            |
| 5200026360      | 01.10.2015   | 131.652,55                                                                             |
| 5200025946      | 30.09.2015   | -131.652,55                                                                            |
| 4300279260      | 07.11.2017   | 131.461,56                                                                             |
| 5200000456      | 01.01.2012   | 131.090,48                                                                             |
| 5200019984      | 31.12.2011   | 131.090,48                                                                             |
| 5200019984      | 31.12.2011   | -131.090,48                                                                            |
| 5200000456      | 01.01.2012   | -131.090,48                                                                            |
| 5200034079      | 31.12.2016   | 130.938,21                                                                             |
| 4300290789      | 01.12.2017   | 130.900,00                                                                             |
| 4300296597      | 06.12.2017   | 130.866,14                                                                             |
| 4300280013      | 20.11.2017   | 130.800,00                                                                             |
| 4300285881      | 24.11.2017   | 130.778,13                                                                             |
| 5200029322      | 01.11.2015   | 130.710,32                                                                             |
| 5200028914      | 31.10.2015   | -130.710,32                                                                            |
| 4300288052      | 30.11.2017   | 130.602,50                                                                             |
| 6000307282      | 07.10.2014   | -130.587,20                                                                            |
| 4300297406      | 05.12.2017   | 130.046,36                                                                             |
| 4300304298      | 12.12.2017   | 129.211,82                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007454      | 31.10.2008   | -128.734,90                                                                            |
| 4300266642      | 08.11.2017   | 128.250,08                                                                             |
| 4600001081      | 23.11.2016   | -127.913,44                                                                            |
| 5200021382      | 01.08.2013   | 127.720,33                                                                             |
| 5200021027      | 31.07.2013   | -127.720,33                                                                            |
| 4300293080      | 04.12.2017   | 127.674,62                                                                             |
| 5200001910      | 31.05.2001   | 127.540,19                                                                             |
| 5200002089      | 01.06.2001   | -127.540,19                                                                            |
| 5200029011      | 01.12.2014   | 127.340,50                                                                             |
| 5200028648      | 30.11.2014   | -127.340,50                                                                            |
| 5200042172      | 31.12.2017   | -126.777,13                                                                            |
| 5200016204      | 30.06.2016   | 126.738,89                                                                             |
| 5200004277      | 01.03.2014   | 126.719,44                                                                             |
| 5200003878      | 28.02.2014   | -126.719,44                                                                            |
| 5200033707      | 31.12.2015   | -126.035,16                                                                            |
| 5200042146      | 31.12.2017   | 125.981,63                                                                             |
| 5200042146      | 31.12.2017   | -125.981,63                                                                            |
| 5200026901      | 01.10.2016   | 125.891,84                                                                             |
| 5200026448      | 30.09.2016   | -125.891,84                                                                            |
| 5200000463      | 01.01.2013   | 125.475,94                                                                             |
| 5200030846      | 31.12.2012   | -125.475,94                                                                            |
| 4300269636      | 02.11.2017   | 125.390,09                                                                             |
| 4300292071      | 05.12.2017   | 125.373,70                                                                             |
| 4300315479      | 20.12.2017   | 125.031,55                                                                             |
| 4300153234      | 18.06.2014   | 124.959,29                                                                             |
| 5200002499      | 01.02.2015   | 124.912,71                                                                             |
| 5200002076      | 31.01.2015   | -124.912,71                                                                            |
| 4300303134      | 11.12.2017   | 124.908,35                                                                             |
| 5200032938      | 01.12.2016   | 124.892,19                                                                             |
| 5200032474      | 30.11.2016   | -124.892,19                                                                            |
| 4500002273      | 08.12.2017   | -124.712,00                                                                            |
| 5200023089      | 01.09.2015   | 124.577,26                                                                             |
| 5200022710      | 31.08.2015   | -124.577,26                                                                            |
| 4300310736      | 20.12.2017   | 124.331,46                                                                             |
| 5200016905      | 01.07.2016   | 124.034,57                                                                             |
| 5200016450      | 30.06.2016   | -124.034,57                                                                            |
| 4300281512      | 23.11.2017   | 124.003,38                                                                             |
| 5200010394      | 01.04.2013   | 123.678,07                                                                             |
| 5200010053      | 31.03.2013   | -123.678,07                                                                            |
| 5200012185      | 01.05.2015   | 123.646,99                                                                             |
| 5200011772      | 30.04.2015   | -123.646,99                                                                            |
| 4300302754      | 15.12.2017   | 123.012,00                                                                             |
| 5200006188      | 30.09.2007   | -122.893,61                                                                            |
| 4300304361      | 08.12.2017   | 122.400,00                                                                             |
| 4300234140      | 28.09.2017   | 121.878,00                                                                             |
| 5200000421      | 01.01.2016   | 121.762,78                                                                             |
| 5200007528      | 01.03.2013   | 121.730,08                                                                             |
| 5200007197      | 28.02.2013   | -121.730,08                                                                            |
| 4300313145      | 27.12.2017   | 121.576,35                                                                             |
| 4300302178      | 13.12.2017   | 121.500,00                                                                             |
| 4800067442      | 15.12.2017   | 121.474,73                                                                             |
| 5200011609      | 01.05.2015   | 121.398,72                                                                             |
| 5200011573      | 30.04.2015   | 121.398,72                                                                             |
| 5200011573      | 30.04.2015   | -121.398,72                                                                            |
| 5200011609      | 01.05.2015   | -121.398,72                                                                            |
| 4300288633      | 30.11.2017   | 121.216,71                                                                             |
| 4300315888      | 19.12.2017   | 121.160,61                                                                             |
| 4300315725      | 14.12.2017   | 120.999,20                                                                             |
| 4300295699      | 05.12.2017   | 120.487,29                                                                             |
| 5200009412      | 01.04.2017   | 120.129,48                                                                             |
| 5200008880      | 31.03.2017   | -120.129,48                                                                            |
| 4500002155      | 30.11.2017   | -120.019,98                                                                            |
| 4300310375      | 21.12.2017   | 120.000,00                                                                             |
| 5200029007      | 01.12.2014   | 119.887,08                                                                             |
| 5200028644      | 30.11.2014   | -119.887,08                                                                            |
| 4300308744      | 18.12.2017   | 119.881,27                                                                             |
| 4300285754      | 20.11.2017   | 119.601,43                                                                             |
| 5200000441      | 01.01.2014   | 119.089,99                                                                             |
| 5200033748      | 31.12.2013   | -119.089,99                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300292399      | 01.12.2017   | 119.000,00                                                                             |
| 4300158452      | 21.08.2017   | 118.687,94                                                                             |
| 4600000427      | 03.05.2016   | 118.289,86                                                                             |
| 5200023726      | 01.09.2016   | 118.215,93                                                                             |
| 5200023268      | 31.08.2016   | -118.215,93                                                                            |
| 5200005144      | 28.02.2017   | -117.972,72                                                                            |
| 4300309593      | 19.12.2017   | 117.952,80                                                                             |
| 5200021835      | 01.07.2017   | 117.682,07                                                                             |
| 5200021284      | 30.06.2017   | -117.682,07                                                                            |
| 4300315475      | 29.12.2017   | 117.296,99                                                                             |
| 4300313192      | 27.12.2017   | 117.215,00                                                                             |
| 4300287750      | 29.11.2017   | 117.096,00                                                                             |
| 4300309822      | 15.12.2017   | 116.249,94                                                                             |
| 5200025916      | 01.11.2012   | 116.145,30                                                                             |
| 5200025611      | 31.10.2012   | -116.145,30                                                                            |
| 5200002327      | 01.02.2012   | 115.961,45                                                                             |
| 5200002085      | 31.01.2012   | -115.961,45                                                                            |
| 4300310999      | 20.12.2017   | 115.941,13                                                                             |
| 5200028792      | 01.12.2012   | 115.864,62                                                                             |
| 5200028483      | 30.11.2012   | -115.864,62                                                                            |
| 5200014928      | 01.06.2015   | 115.060,44                                                                             |
| 5200014538      | 31.05.2015   | -115.060,44                                                                            |
| 4300285754      | 20.11.2017   | 114.911,18                                                                             |
| 4300314656      | 01.12.2017   | 114.904,98                                                                             |
| 4300284374      | 15.11.2017   | 114.897,90                                                                             |
| 4300253090      | 23.10.2017   | 114.604,23                                                                             |
| 4300309353      | 19.12.2017   | 114.521,00                                                                             |
| 5200000422      | 01.01.2016   | 114.375,84                                                                             |
| 5200033708      | 31.12.2015   | -114.375,84                                                                            |
| 4300285657      | 09.11.2017   | 114.033,00                                                                             |
| 5200005668      | 30.04.2011   | -113.771,68                                                                            |
| 4300315500      | 29.12.2017   | 113.766,90                                                                             |
| 4300312301      | 23.12.2017   | 113.488,70                                                                             |
| 4300308742      | 18.12.2017   | 113.017,21                                                                             |
| 4300266490      | 06.11.2017   | 112.861,03                                                                             |
| 5200000320      | 01.01.2014   | 112.801,11                                                                             |
| 5200033625      | 31.12.2013   | 112.801,11                                                                             |
| 5200033625      | 31.12.2013   | -112.801,11                                                                            |
| 5200000320      | 01.01.2014   | -112.801,11                                                                            |
| 5200042170      | 31.12.2017   | -112.753,25                                                                            |
| 5200017113      | 30.06.2015   | -112.726,58                                                                            |
| 5200024708      | 01.08.2017   | 112.067,29                                                                             |
| 5200024164      | 31.07.2017   | -112.067,29                                                                            |
| 5200007446      | 01.04.2015   | 111.649,74                                                                             |
| 5200007403      | 31.03.2015   | 111.649,74                                                                             |
| 5200007403      | 31.03.2015   | -111.649,74                                                                            |
| 5200007446      | 01.04.2015   | -111.649,74                                                                            |
| 4300285008      | 09.11.2017   | 111.111,00                                                                             |
| 4300309144      | 08.12.2017   | 110.972,11                                                                             |
| 4300245070      | 11.10.2017   | 110.848,19                                                                             |
| 5200007637      | 01.03.2013   | 110.623,16                                                                             |
| 5200007306      | 28.02.2013   | -110.623,16                                                                            |
| 5200003156      | 01.02.2017   | 110.437,19                                                                             |
| 5200002610      | 31.01.2017   | -110.437,19                                                                            |
| 5200003138      | 01.05.2010   | 110.258,27                                                                             |
| 5200003106      | 30.04.2010   | 110.258,27                                                                             |
| 5200003106      | 30.04.2010   | -110.258,27                                                                            |
| 5200003138      | 01.05.2010   | -110.258,27                                                                            |
| 5200015785      | 01.06.2013   | 110.201,99                                                                             |
| 5200015428      | 31.05.2013   | -110.201,99                                                                            |
| 4300312484      | 27.12.2017   | -110.182,84                                                                            |
| 5200009791      | 31.03.2013   | 109.998,07                                                                             |
| 5200017687      | 01.08.2012   | 109.905,50                                                                             |
| 5200017401      | 31.07.2012   | -109.905,50                                                                            |
| 5200004389      | 01.03.2014   | 109.893,53                                                                             |
| 5200003990      | 28.02.2014   | -109.893,53                                                                            |
| 5200012151      | 01.06.2012   | 109.793,37                                                                             |
| 5200011877      | 31.05.2012   | -109.793,37                                                                            |
| 4500002153      | 30.11.2017   | -109.095,04                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300281260      | 13.11.2017   | 108.997,16                                                                             |
| 4300275363      | 15.11.2017   | 108.290,00                                                                             |
| 5200000455      | 01.01.2013   | 108.098,61                                                                             |
| 5200030838      | 31.12.2012   | -108.098,61                                                                            |
| 5200021693      | 01.07.2017   | 107.575,67                                                                             |
| 5200021142      | 30.06.2017   | -107.575,67                                                                            |
| 4300310346      | 22.12.2017   | 107.551,32                                                                             |
| 5200004903      | 31.07.2010   | -107.372,63                                                                            |
| 5200008791      | 01.04.2016   | 107.194,23                                                                             |
| 5200008307      | 31.03.2016   | -107.194,23                                                                            |
| 5200002306      | 30.06.2001   | 107.147,22                                                                             |
| 5200002493      | 01.07.2001   | -107.147,22                                                                            |
| 4300298791      | 11.12.2017   | 107.080,65                                                                             |
| 4300293279      | 06.12.2017   | 106.552,23                                                                             |
| 6000033587      | 03.02.2015   | -106.464,02                                                                            |
| 4300287445      | 23.11.2017   | 106.426,24                                                                             |
| 4300153516      | 18.08.2017   | 106.272,28                                                                             |
| 4300310932      | 21.12.2017   | 106.165,00                                                                             |
| 4300307848      | 20.12.2017   | 106.153,00                                                                             |
| 6000307283      | 07.10.2014   | -106.039,53                                                                            |
| 5200020458      | 01.08.2015   | 106.038,84                                                                             |
| 5200020091      | 31.07.2015   | -106.038,84                                                                            |
| 5200023233      | 01.09.2015   | 105.727,05                                                                             |
| 5200022854      | 31.08.2015   | -105.727,05                                                                            |
| 5200040421      | 01.12.2017   | 105.666,09                                                                             |
| 5200039876      | 30.11.2017   | -105.666,09                                                                            |
| 5200026036      | 01.11.2012   | 105.518,63                                                                             |
| 5200025731      | 31.10.2012   | -105.518,63                                                                            |
| 4300314974      | 28.12.2017   | 105.315,00                                                                             |
| 4300315939      | 21.12.2017   | 105.222,98                                                                             |
| 4300296597      | 06.12.2017   | 104.692,92                                                                             |
| 4300285502      | 27.11.2017   | 104.360,61                                                                             |
| 4000087329      | 15.03.2017   | 104.323,02                                                                             |
| 5200001129      | 01.02.2014   | 104.019,85                                                                             |
| 5200001118      | 31.01.2014   | 104.019,85                                                                             |
| 5200001118      | 31.01.2014   | -104.019,85                                                                            |
| 5200001129      | 01.02.2014   | -104.019,85                                                                            |
| 5200021680      | 01.07.2017   | 103.917,29                                                                             |
| 5200021129      | 30.06.2017   | -103.917,29                                                                            |
| 5200004386      | 01.03.2014   | 103.874,36                                                                             |
| 5200003987      | 28.02.2014   | -103.874,36                                                                            |
| 5200009052      | 01.05.2012   | 103.694,24                                                                             |
| 5200008774      | 30.04.2012   | -103.694,24                                                                            |
| 4300301977      | 07.12.2017   | 103.672,80                                                                             |
| 4300301984      | 07.12.2017   | 103.672,80                                                                             |
| 4300313851      | 22.12.2017   | 103.621,50                                                                             |
| 4300314840      | 22.12.2017   | 103.621,50                                                                             |
| 4300295090      | 06.12.2017   | 103.491,37                                                                             |
| 5200014473      | 01.06.2015   | 103.450,27                                                                             |
| 5200017248      | 01.07.2015   | 103.450,27                                                                             |
| 5200014439      | 31.05.2015   | 103.450,27                                                                             |
| 5200017213      | 30.06.2015   | 103.450,27                                                                             |
| 5200014439      | 31.05.2015   | -103.450,27                                                                            |
| 5200017213      | 30.06.2015   | -103.450,27                                                                            |
| 5200014473      | 01.06.2015   | -103.450,27                                                                            |
| 5200017248      | 01.07.2015   | -103.450,27                                                                            |
| 4300278158      | 16.11.2017   | 103.443,18                                                                             |
| 4300294187      | 05.12.2017   | 103.378,05                                                                             |
| 5200009382      | 01.06.2011   | 103.376,84                                                                             |
| 5200009349      | 31.05.2011   | 103.376,84                                                                             |
| 5200009349      | 31.05.2011   | -103.376,84                                                                            |
| 5200009382      | 01.06.2011   | -103.376,84                                                                            |
| 5200010971      | 01.05.2016   | 103.339,00                                                                             |
| 5200010494      | 30.04.2016   | -103.339,00                                                                            |
| 5200015648      | 31.10.2011   | -103.220,15                                                                            |
| 4300315287      | 28.12.2017   | 103.200,37                                                                             |
| 5200014653      | 01.06.2016   | 103.000,00                                                                             |
| 5200016908      | 01.07.2016   | 103.000,00                                                                             |
| 5200020654      | 01.08.2016   | 103.000,00                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023617      | 01.09.2016   | 103.000,00                                                                             |
| 5200026786      | 01.10.2016   | 103.000,00                                                                             |
| 5200029828      | 01.11.2016   | 103.000,00                                                                             |
| 5200032813      | 01.12.2016   | 103.000,00                                                                             |
| 5200000389      | 01.01.2017   | 103.000,00                                                                             |
| 5200003012      | 01.02.2017   | 103.000,00                                                                             |
| 5200006258      | 01.03.2017   | 103.000,00                                                                             |
| 5200009417      | 01.04.2017   | 103.000,00                                                                             |
| 5200013974      | 01.05.2017   | 103.000,00                                                                             |
| 5200017996      | 01.06.2017   | 103.000,00                                                                             |
| 5200021696      | 01.07.2017   | 103.000,00                                                                             |
| 5200024711      | 01.08.2017   | 103.000,00                                                                             |
| 5200028461      | 01.09.2017   | 103.000,00                                                                             |
| 5200032145      | 01.10.2017   | 103.000,00                                                                             |
| 5200035815      | 01.11.2017   | 103.000,00                                                                             |
| 5200040422      | 01.12.2017   | 103.000,00                                                                             |
| 5200014185      | 31.05.2016   | -103.000,00                                                                            |
| 5200016453      | 30.06.2016   | -103.000,00                                                                            |
| 5200020189      | 31.07.2016   | -103.000,00                                                                            |
| 5200023159      | 31.08.2016   | -103.000,00                                                                            |
| 5200026333      | 30.09.2016   | -103.000,00                                                                            |
| 5200029379      | 31.10.2016   | -103.000,00                                                                            |
| 5200032349      | 30.11.2016   | -103.000,00                                                                            |
| 5200034296      | 31.12.2016   | -103.000,00                                                                            |
| 5200002466      | 31.01.2017   | -103.000,00                                                                            |
| 5200005719      | 28.02.2017   | -103.000,00                                                                            |
| 5200008885      | 31.03.2017   | -103.000,00                                                                            |
| 5200013424      | 30.04.2017   | -103.000,00                                                                            |
| 5200017442      | 31.05.2017   | -103.000,00                                                                            |
| 5200021145      | 30.06.2017   | -103.000,00                                                                            |
| 5200024167      | 31.07.2017   | -103.000,00                                                                            |
| 5200027905      | 31.08.2017   | -103.000,00                                                                            |
| 5200031592      | 30.09.2017   | -103.000,00                                                                            |
| 5200035264      | 31.10.2017   | -103.000,00                                                                            |
| 5200039877      | 30.11.2017   | -103.000,00                                                                            |
| 5200042173      | 31.12.2017   | -103.000,00                                                                            |
| 5200022347      | 01.10.2012   | 102.908,43                                                                             |
| 5200022053      | 30.09.2012   | -102.908,43                                                                            |
| 5200026370      | 01.10.2015   | 102.845,78                                                                             |
| 5200025956      | 30.09.2015   | -102.845,78                                                                            |
| 4300307680      | 18.12.2017   | 102.819,78                                                                             |
| 5200002398      | 01.02.2015   | 102.556,95                                                                             |
| 5200001975      | 31.01.2015   | -102.556,95                                                                            |
| 4300310899      | 11.12.2017   | 102.523,02                                                                             |
| 5200040485      | 01.12.2017   | 101.602,78                                                                             |
| 5200039940      | 30.11.2017   | -101.602,78                                                                            |
| 5200023995      | 01.09.2013   | 101.561,92                                                                             |
| 5200023643      | 31.08.2013   | -101.561,92                                                                            |
| 5200001056      | 31.01.2014   | 101.106,74                                                                             |
| 5200025918      | 01.11.2012   | 101.101,82                                                                             |
| 5200025613      | 31.10.2012   | -101.101,82                                                                            |
| 4300315265      | 20.12.2017   | 100.688,28                                                                             |
| 5200018433      | 01.07.2013   | 100.559,16                                                                             |
| 5200018052      | 30.06.2013   | -100.559,16                                                                            |
| 4300313670      | 20.12.2017   | 100.555,00                                                                             |
| 4500002257      | 08.12.2017   | -100.539,06                                                                            |
| 5200025982      | 01.11.2012   | 100.472,79                                                                             |
| 5200025677      | 31.10.2012   | -100.472,79                                                                            |
| 5200008534      | 31.03.2017   | -100.413,65                                                                            |
| 5200025919      | 01.11.2012   | 100.354,61                                                                             |
| 5200025614      | 31.10.2012   | -100.354,61                                                                            |
| 5200026509      | 01.10.2015   | 100.199,90                                                                             |
| 5200026095      | 30.09.2015   | -100.199,90                                                                            |
| 4300310575      | 14.12.2017   | 100.000,00                                                                             |
| 4300302257      | 11.12.2017   | 100.000,00                                                                             |
| 5200028740      | 01.12.2012   | 100.000,00                                                                             |
| 5200028431      | 30.11.2012   | -100.000,00                                                                            |
| 5200003606      | 31.05.2010   | 99.883,03                                                                              |
| 4300306899      | 15.12.2017   | 99.762,53                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300261560      | 01.11.2017   | 99.637,32                                                                              |
| 4300298592      | 01.12.2017   | 99.637,32                                                                              |
| 4300315175      | 27.12.2017   | 99.637,32                                                                              |
| 4300268532      | 10.11.2017   | 99.603,76                                                                              |
| 4300110230      | 09.05.2017   | 99.556,79                                                                              |
| 4300294908      | 05.12.2017   | 99.414,84                                                                              |
| 4300307625      | 18.12.2017   | 99.180,00                                                                              |
| 4300315744      | 04.12.2017   | 98.573,06                                                                              |
| 4300293551      | 06.12.2017   | 98.551,13                                                                              |
| 5200031888      | 01.12.2013   | 98.337,61                                                                              |
| 5200031533      | 30.11.2013   | -98.337,61                                                                             |
| 5200004234      | 01.03.2012   | 98.326,24                                                                              |
| 5200003962      | 29.02.2012   | -98.326,24                                                                             |
| 5200006809      | 01.04.2012   | 98.046,02                                                                              |
| 5200006513      | 31.03.2012   | -98.046,02                                                                             |
| 4300313965      | 21.12.2017   | 97.844,86                                                                              |
| 5200021798      | 30.09.2012   | -97.638,84                                                                             |
| 5200000444      | 01.01.2013   | 97.550,66                                                                              |
| 5200030827      | 31.12.2012   | 97.550,66                                                                              |
| 5200030827      | 31.12.2012   | -97.550,66                                                                             |
| 5200000444      | 01.01.2013   | -97.550,66                                                                             |
| 4300314844      | 22.12.2017   | 97.132,95                                                                              |
| 5200018379      | 01.08.2014   | 97.023,25                                                                              |
| 5200017956      | 31.07.2014   | -97.023,25                                                                             |
| 4300281289      | 15.11.2017   | 96.207,50                                                                              |
| 4300275241      | 15.11.2017   | 96.169,11                                                                              |
| 4300299663      | 08.12.2017   | 96.169,11                                                                              |
| 4300307158      | 16.12.2017   | 96.089,41                                                                              |
| 4300308667      | 18.12.2017   | 95.985,15                                                                              |
| 6000205210      | 06.07.2017   | 95.967,33                                                                              |
| 4300291999      | 01.12.2017   | 95.639,00                                                                              |
| 4300309305      | 11.12.2017   | 95.365,79                                                                              |
| 4300313689      | 26.12.2017   | -95.240,00                                                                             |
| 4300294173      | 05.12.2017   | 95.200,00                                                                              |
| 4300302698      | 08.12.2017   | 95.200,00                                                                              |
| 4300299598      | 08.12.2017   | 95.095,88                                                                              |
| 5000002440      | 31.12.2010   | 94.831,56                                                                              |
| 5200008083      | 31.12.2010   | 94.831,56                                                                              |
| 5200007972      | 31.12.2010   | -94.831,56                                                                             |
| 5200008083      | 31.12.2010   | -94.831,56                                                                             |
| 4300314358      | 29.12.2017   | 94.823,20                                                                              |
| 5200008006      | 01.04.2015   | 94.788,82                                                                              |
| 5200007604      | 31.03.2015   | -94.788,82                                                                             |
| 5200002496      | 01.02.2015   | 94.786,88                                                                              |
| 5200002073      | 31.01.2015   | -94.786,88                                                                             |
| 4300288675      | 27.11.2017   | 94.391,02                                                                              |
| 5200014775      | 01.06.2016   | 94.140,94                                                                              |
| 5200014307      | 31.05.2016   | -94.140,94                                                                             |
| 4300297559      | 06.12.2017   | 93.950,27                                                                              |
| 4300313652      | 26.12.2017   | 93.770,00                                                                              |
| 4300300985      | 11.12.2017   | 93.724,40                                                                              |
| 4300309825      | 15.12.2017   | 93.646,41                                                                              |
| 5200010499      | 01.04.2013   | 93.440,68                                                                              |
| 5200010158      | 31.03.2013   | -93.440,68                                                                             |
| 5200017633      | 01.07.2015   | 92.753,39                                                                              |
| 5200017281      | 30.06.2015   | -92.753,39                                                                             |
| 5200012051      | 01.05.2015   | 92.564,07                                                                              |
| 5200011638      | 30.04.2015   | -92.564,07                                                                             |
| 5200006392      | 01.03.2017   | 92.547,66                                                                              |
| 5200005853      | 28.02.2017   | -92.547,66                                                                             |
| 4300289609      | 01.12.2017   | 92.330,91                                                                              |
| 4300289717      | 01.12.2017   | 92.330,91                                                                              |
| 5200008581      | 31.12.2008   | 92.280,98                                                                              |
| 4300281178      | 21.11.2017   | 92.100,55                                                                              |
| 4300307419      | 14.12.2017   | 92.010,46                                                                              |
| 4300315410      | 29.12.2017   | 91.664,51                                                                              |
| 5200028446      | 01.09.2017   | 91.600,94                                                                              |
| 5200027890      | 31.08.2017   | -91.600,94                                                                             |
| 5200032129      | 01.10.2017   | 91.289,74                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031576      | 30.09.2017   | -91.289,74                                                                             |
| 5200000530      | 01.01.2012   | 91.199,33                                                                              |
| 5200020059      | 31.12.2011   | -91.199,33                                                                             |
| 5200002302      | 31.03.2008   | -91.149,65                                                                             |
| 4800068331      | 19.12.2017   | 91.136,74                                                                              |
| 2742251         | 01.08.1997   | 91.063,73                                                                              |
| 2742250         | 31.07.1997   | -91.063,73                                                                             |
| 5200028845      | 01.12.2012   | 90.955,25                                                                              |
| 5200028536      | 30.11.2012   | -90.955,25                                                                             |
| 5200037257      | 31.12.2001   | 90.930,14                                                                              |
| 4300288823      | 30.11.2017   | 90.758,68                                                                              |
| 5200007635      | 01.03.2013   | 90.177,51                                                                              |
| 5200007304      | 28.02.2013   | -90.177,51                                                                             |
| 4300295508      | 07.12.2017   | 90.160,91                                                                              |
| 5200024697      | 01.08.2017   | 90.134,51                                                                              |
| 5200024153      | 31.07.2017   | -90.134,51                                                                             |
| 5200002418      | 01.04.2010   | 90.106,83                                                                              |
| 5200002372      | 31.03.2010   | 90.106,83                                                                              |
| 5200002372      | 31.03.2010   | -90.106,83                                                                             |
| 5200002418      | 01.04.2010   | -90.106,83                                                                             |
| 5200017113      | 30.06.2015   | 90.079,79                                                                              |
| 5200020329      | 01.09.2012   | 90.020,42                                                                              |
| 5200020043      | 31.08.2012   | -90.020,42                                                                             |
| 4300310317      | 06.12.2017   | 90.000,00                                                                              |
| 5200035812      | 01.11.2017   | 89.986,02                                                                              |
| 5200035261      | 31.10.2017   | -89.986,02                                                                             |
| 4300299054      | 02.12.2017   | 89.985,73                                                                              |
| 5200022300      | 01.10.2012   | 89.978,65                                                                              |
| 5200022006      | 30.09.2012   | -89.978,65                                                                             |
| 5200042322      | 31.12.2017   | -89.725,57                                                                             |
| 5200032187      | 01.12.2015   | 89.678,34                                                                              |
| 5200031784      | 30.11.2015   | -89.678,34                                                                             |
| 4300312111      | 22.12.2017   | 89.588,30                                                                              |
| 5200015577      | 01.07.2014   | 89.539,36                                                                              |
| 5200015149      | 30.06.2014   | -89.539,36                                                                             |
| 5200032932      | 01.12.2016   | 89.524,31                                                                              |
| 5200032468      | 30.11.2016   | -89.524,31                                                                             |
| 5200017466      | 01.11.2011   | 89.271,21                                                                              |
| 5200017446      | 31.10.2011   | 89.271,21                                                                              |
| 5200017446      | 31.10.2011   | -89.271,21                                                                             |
| 5200017466      | 01.11.2011   | -89.271,21                                                                             |
| 5200006611      | 01.04.2014   | 89.109,92                                                                              |
| 5200006603      | 31.03.2014   | 89.109,92                                                                              |
| 5200006603      | 31.03.2014   | -89.109,92                                                                             |
| 5200006611      | 01.04.2014   | -89.109,92                                                                             |
| 5200019134      | 01.12.2011   | 89.108,84                                                                              |
| 5200019110      | 30.11.2011   | 89.108,84                                                                              |
| 5200019110      | 30.11.2011   | -89.108,84                                                                             |
| 5200019134      | 01.12.2011   | -89.108,84                                                                             |
| 4300182921      | 27.07.2017   | 88.824,00                                                                              |
| 5200019791      | 31.08.2012   | -88.612,15                                                                             |
| 5200008655      | 01.04.2016   | 88.589,47                                                                              |
| 5200008171      | 31.03.2016   | -88.589,47                                                                             |
| 4300309913      | 11.12.2017   | 88.107,60                                                                              |
| 4300269986      | 03.11.2017   | 87.890,13                                                                              |
| 4300284934      | 23.11.2017   | 87.863,75                                                                              |
| 4300277534      | 18.11.2017   | 87.394,67                                                                              |
| 5200017982      | 01.06.2017   | 87.144,64                                                                              |
| 5200017428      | 31.05.2017   | -87.144,64                                                                             |
| 4300314842      | 22.12.2017   | 87.130,75                                                                              |
| 5200006747      | 01.04.2012   | 87.081,61                                                                              |
| 5200006451      | 31.03.2012   | -87.081,61                                                                             |
| 4300286669      | 28.11.2017   | 87.060,40                                                                              |
| 4300287202      | 28.11.2017   | 87.060,40                                                                              |
| 5200031361      | 01.12.2013   | 87.025,44                                                                              |
| 5200031348      | 30.11.2013   | 87.025,44                                                                              |
| 5200031348      | 30.11.2013   | -87.025,44                                                                             |
| 5200031361      | 01.12.2013   | -87.025,44                                                                             |
| 4300258809      | 30.10.2017   | 87.012,81                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200002798      | 01.02.2013   | 86.884,10                                                                              |
| 5200007159      | 01.03.2013   | 86.884,10                                                                              |
| 5200002780      | 31.01.2013   | 86.884,10                                                                              |
| 5200007147      | 28.02.2013   | 86.884,10                                                                              |
| 5200002780      | 31.01.2013   | -86.884,10                                                                             |
| 5200007147      | 28.02.2013   | -86.884,10                                                                             |
| 5200002798      | 01.02.2013   | -86.884,10                                                                             |
| 5200007159      | 01.03.2013   | -86.884,10                                                                             |
| 4300313645      | 26.12.2017   | 86.840,00                                                                              |
| 5200011108      | 01.05.2016   | 86.765,60                                                                              |
| 5200010631      | 30.04.2016   | -86.765,60                                                                             |
| 4300309122      | 16.12.2017   | 86.634,01                                                                              |
| 4300308319      | 16.12.2017   | 86.634,00                                                                              |
| 5200017343      | 31.10.2011   | -86.601,88                                                                             |
| 4300302168      | 07.12.2017   | 86.548,76                                                                              |
| 5200000341      | 01.01.2011   | 86.459,68                                                                              |
| 5200007922      | 31.12.2010   | 86.459,68                                                                              |
| 5200007922      | 31.12.2010   | -86.459,68                                                                             |
| 5200000341      | 01.01.2011   | -86.459,68                                                                             |
| 5200028445      | 01.09.2017   | 86.239,29                                                                              |
| 5200027889      | 31.08.2017   | -86.239,29                                                                             |
| 5200023505      | 01.09.2013   | 85.929,03                                                                              |
| 5200026156      | 01.10.2013   | 85.929,03                                                                              |
| 5200023494      | 31.08.2013   | 85.929,03                                                                              |
| 5200026144      | 30.09.2013   | 85.929,03                                                                              |
| 5200023494      | 31.08.2013   | -85.929,03                                                                             |
| 5200026144      | 30.09.2013   | -85.929,03                                                                             |
| 5200023505      | 01.09.2013   | -85.929,03                                                                             |
| 5200026156      | 01.10.2013   | -85.929,03                                                                             |
| 4300271635      | 13.11.2017   | 85.858,50                                                                              |
| 5200000280      | 01.01.2016   | 85.673,29                                                                              |
| 5200033566      | 31.12.2015   | -85.673,29                                                                             |
| 5200000281      | 01.01.2016   | 85.525,53                                                                              |
| 5200033567      | 31.12.2015   | -85.525,53                                                                             |
| 4300306307      | 16.12.2017   | 85.460,35                                                                              |
| 4300298262      | 12.12.2017   | 85.442,00                                                                              |
| 4300315207      | 21.12.2017   | 85.200,00                                                                              |
| 5200035957      | 01.11.2017   | 85.152,04                                                                              |
| 5200035406      | 31.10.2017   | -85.152,04                                                                             |
| 4300264618      | 03.11.2017   | 85.065,07                                                                              |
| 5200001897      | 31.01.2012   | -85.060,75                                                                             |
| 4300297279      | 08.12.2017   | 85.000,00                                                                              |
| 4300265386      | 03.11.2017   | 84.992,68                                                                              |
| 4300307848      | 20.12.2017   | 84.922,40                                                                              |
| 4300285721      | 20.11.2017   | 84.906,98                                                                              |
| 5200004165      | 01.03.2015   | 84.893,25                                                                              |
| 5200004123      | 28.02.2015   | 84.893,25                                                                              |
| 5200004123      | 28.02.2015   | -84.893,25                                                                             |
| 5200004165      | 01.03.2015   | -84.893,25                                                                             |
| 5200007588      | 01.03.2013   | 84.817,60                                                                              |
| 5200007257      | 28.02.2013   | -84.817,60                                                                             |
| 5200012507      | 01.06.2014   | 84.644,34                                                                              |
| 5200012062      | 31.05.2014   | -84.644,34                                                                             |
| 4300234357      | 08.10.2017   | 84.510,37                                                                              |
| 5200012561      | 01.06.2014   | 84.473,88                                                                              |
| 5200012116      | 31.05.2014   | -84.473,88                                                                             |
| 4300315359      | 29.12.2017   | 84.253,10                                                                              |
| 5200028737      | 01.12.2012   | 84.113,14                                                                              |
| 5200028428      | 30.11.2012   | -84.113,14                                                                             |
| 4300287757      | 28.11.2017   | 84.052,44                                                                              |
| 5200028871      | 01.11.2013   | 83.925,05                                                                              |
| 5200028844      | 31.10.2013   | 83.925,05                                                                              |
| 5200028844      | 31.10.2013   | -83.925,05                                                                             |
| 5200028871      | 01.11.2013   | -83.925,05                                                                             |
| 5200001904      | 01.02.2016   | 83.899,31                                                                              |
| 5200001420      | 31.01.2016   | -83.899,31                                                                             |
| 4300301932      | 08.12.2017   | 83.849,47                                                                              |
| 6000041815      | 10.02.2015   | -83.821,43                                                                             |
| 5200017621      | 01.07.2015   | 83.795,58                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200017269      | 30.06.2015   | -83.795,58                                                                             |
| 5200030285      | 11.11.2015   | -83.795,58                                                                             |
| 5200009349      | 01.05.2014   | 83.760,32                                                                              |
| 5200009335      | 30.04.2014   | 83.760,32                                                                              |
| 5200009335      | 30.04.2014   | -83.760,32                                                                             |
| 5200009349      | 01.05.2014   | -83.760,32                                                                             |
| 4300281118      | 10.11.2017   | 83.490,66                                                                              |
| 5200007517      | 30.06.2002   | -83.481,22                                                                             |
| 4300284885      | 21.11.2017   | 83.478,94                                                                              |
| 4300284912      | 21.11.2017   | 83.478,94                                                                              |
| 4300294637      | 07.12.2017   | 83.478,94                                                                              |
| 5200003224      | 01.02.2013   | 83.445,56                                                                              |
| 5200002884      | 31.01.2013   | -83.445,56                                                                             |
| 5200015467      | 01.07.2014   | 83.441,87                                                                              |
| 5200015039      | 30.06.2014   | -83.441,87                                                                             |
| 5200020651      | 01.08.2016   | 83.369,52                                                                              |
| 5200020186      | 31.07.2016   | -83.369,52                                                                             |
| 4500002168      | 01.12.2017   | -83.097,82                                                                             |
| 4300310888      | 20.12.2017   | 83.029,31                                                                              |
| 4300314620      | 16.12.2017   | 82.824,00                                                                              |
| 5200015278      | 01.06.2013   | 82.669,35                                                                              |
| 5200015265      | 31.05.2013   | 82.669,35                                                                              |
| 5200015265      | 31.05.2013   | -82.669,35                                                                             |
| 5200015278      | 01.06.2013   | -82.669,35                                                                             |
| 5200020815      | 01.08.2013   | 82.576,39                                                                              |
| 5200020803      | 31.07.2013   | 82.576,39                                                                              |
| 5200020803      | 31.07.2013   | -82.576,39                                                                             |
| 5200020815      | 01.08.2013   | -82.576,39                                                                             |
| 4500002471      | 29.12.2017   | -82.498,06                                                                             |
| 4300273862      | 11.12.2017   | 82.401,47                                                                              |
| 5200000278      | 01.01.2015   | 82.239,75                                                                              |
| 5200001902      | 01.02.2015   | 82.239,75                                                                              |
| 5200030953      | 31.12.2014   | 82.239,75                                                                              |
| 5200001860      | 31.01.2015   | 82.239,75                                                                              |
| 5200030953      | 31.12.2014   | -82.239,75                                                                             |
| 5200001860      | 31.01.2015   | -82.239,75                                                                             |
| 5200000278      | 01.01.2015   | -82.239,75                                                                             |
| 5200001902      | 01.02.2015   | -82.239,75                                                                             |
| 5200006713      | 01.04.2012   | 81.995,07                                                                              |
| 5200006417      | 31.03.2012   | -81.995,07                                                                             |
| 5200021385      | 01.08.2013   | 81.824,54                                                                              |
| 5200021030      | 31.07.2013   | -81.824,54                                                                             |
| 5200000477      | 01.01.2012   | 81.628,89                                                                              |
| 5200020006      | 31.12.2011   | -81.628,89                                                                             |
| 4300312073      | 19.12.2017   | 81.509,05                                                                              |
| 4300288036      | 28.11.2017   | 81.400,87                                                                              |
| 5200040419      | 01.12.2017   | 81.209,18                                                                              |
| 5200039874      | 30.11.2017   | -81.209,18                                                                             |
| 4300285924      | 23.11.2017   | 81.040,56                                                                              |
| 5200014649      | 01.06.2016   | 80.886,84                                                                              |
| 5200014181      | 31.05.2016   | -80.886,84                                                                             |
| 4300315426      | 19.12.2017   | 80.872,40                                                                              |
| 5200028739      | 01.12.2012   | 80.806,60                                                                              |
| 5200028430      | 30.11.2012   | -80.806,60                                                                             |
| 5200017750      | 01.07.2015   | 80.672,69                                                                              |
| 5200017398      | 30.06.2015   | -80.672,69                                                                             |
| 5200031778      | 01.12.2013   | 80.431,36                                                                              |
| 5200031423      | 30.11.2013   | -80.431,36                                                                             |
| 5200001046      | 01.02.2010   | 80.234,26                                                                              |
| 5200001023      | 31.01.2010   | 80.234,26                                                                              |
| 5200001023      | 31.01.2010   | -80.234,26                                                                             |
| 5200001046      | 01.02.2010   | -80.234,26                                                                             |
| 4300280388      | 13.11.2017   | 80.228,70                                                                              |
| 5200001670      | 01.03.2010   | 80.219,88                                                                              |
| 5200001645      | 28.02.2010   | 80.219,88                                                                              |
| 5200001645      | 28.02.2010   | -80.219,88                                                                             |
| 5200001670      | 01.03.2010   | -80.219,88                                                                             |
| 5200040556      | 01.12.2017   | 80.048,46                                                                              |
| 5200040011      | 30.11.2017   | -80.048,46                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200018002      | 01.07.2013   | 80.033,45                                                                              |
| 5200017987      | 30.06.2013   | 80.033,45                                                                              |
| 5200017987      | 30.06.2013   | -80.033,45                                                                             |
| 5200018002      | 01.07.2013   | -80.033,45                                                                             |
| 4300278855      | 08.11.2017   | 80.000,00                                                                              |
| 5200013202      | 01.05.2013   | 79.844,20                                                                              |
| 5200012853      | 30.04.2013   | -79.844,20                                                                             |
| 5200023351      | 01.10.2014   | 79.731,99                                                                              |
| 5200023338      | 30.09.2014   | 79.731,99                                                                              |
| 5200023338      | 30.09.2014   | -79.731,99                                                                             |
| 5200023351      | 01.10.2014   | -79.731,99                                                                             |
| 6000288872      | 12.10.2007   | 79.616,28                                                                              |
| 4300292069      | 03.12.2017   | 79.549,56                                                                              |
| 4300276663      | 17.11.2017   | 79.500,00                                                                              |
| 5200007877      | 01.04.2015   | 79.476,93                                                                              |
| 5200007475      | 31.03.2015   | -79.476,93                                                                             |
| 4300268739      | 08.11.2017   | 79.316,48                                                                              |
| 5200009064      | 01.05.2012   | 79.297,16                                                                              |
| 5200008786      | 30.04.2012   | -79.297,16                                                                             |
| 5200000300      | 01.01.2015   | 79.259,78                                                                              |
| 5200030975      | 31.12.2014   | -79.259,78                                                                             |
| 5200005542      | 31.08.2010   | 79.078,17                                                                              |
| 4300313072      | 27.12.2017   | 79.021,60                                                                              |
| 4300288430      | 29.11.2017   | 78.926,23                                                                              |
| 5200009935      | 01.05.2014   | 78.616,87                                                                              |
| 5200009513      | 30.04.2014   | -78.616,87                                                                             |
| 4300297461      | 05.12.2017   | 78.490,66                                                                              |
| 5200020706      | 31.07.2013   | -78.386,85                                                                             |
| 5200031433      | 01.12.2015   | -78.346,14                                                                             |
| 5200029124      | 01.12.2014   | 78.219,70                                                                              |
| 5200028761      | 30.11.2014   | -78.219,70                                                                             |
| 4300302556      | 07.12.2017   | 78.152,10                                                                              |
| 5200028404      | 01.12.2012   | 78.042,32                                                                              |
| 5200028389      | 30.11.2012   | 78.042,32                                                                              |
| 5200028389      | 30.11.2012   | -78.042,32                                                                             |
| 5200028404      | 01.12.2012   | -78.042,32                                                                             |
| 4300287832      | 15.11.2017   | 78.000,00                                                                              |
| 4300283764      | 24.11.2017   | 77.886,82                                                                              |
| 4300285854      | 27.11.2017   | 77.851,16                                                                              |
| 4300314314      | 04.12.2017   | 77.828,40                                                                              |
| 4300314318      | 04.12.2017   | 77.828,40                                                                              |
| 5200033632      | 31.12.2015   | -77.709,51                                                                             |
| 5200003117      | 30.04.2008   | 77.624,21                                                                              |
| 5200032810      | 01.12.2016   | 77.349,04                                                                              |
| 5200032346      | 30.11.2016   | -77.349,04                                                                             |
| 5200000858      | 31.01.2010   | 77.213,11                                                                              |
| 4300296033      | 06.12.2017   | 77.084,25                                                                              |
| 4300288531      | 30.11.2017   | 77.021,25                                                                              |
| 4300304131      | 14.12.2017   | 76.925,61                                                                              |
| 4300066973      | 14.06.2017   | 76.891,04                                                                              |
| 4300314365      | 28.12.2017   | 76.843,06                                                                              |
| 4300308263      | 16.12.2017   | 76.595,60                                                                              |
| 4300308240      | 18.12.2017   | 76.523,00                                                                              |
| 4000192598      | 17.06.2015   | 76.479,52                                                                              |
| 5200025929      | 01.11.2014   | 76.444,54                                                                              |
| 5200025913      | 31.10.2014   | 76.444,54                                                                              |
| 5200025913      | 31.10.2014   | -76.444,54                                                                             |
| 5200025929      | 01.11.2014   | -76.444,54                                                                             |
| 4300315645      | 22.12.2017   | 76.147,99                                                                              |
| 5200000431      | 01.01.2015   | 76.049,89                                                                              |
| 5200031106      | 31.12.2014   | -76.049,89                                                                             |
| 5200020335      | 01.08.2015   | 75.452,67                                                                              |
| 5200019968      | 31.07.2015   | -75.452,67                                                                             |
| 4300231445      | 08.10.2017   | 75.330,91                                                                              |
| 4300300114      | 22.12.2015   | 75.327,00                                                                              |
| 5200009413      | 01.04.2017   | 75.097,38                                                                              |
| 5200008881      | 31.03.2017   | -75.097,38                                                                             |
| 5200020607      | 01.09.2014   | 75.086,74                                                                              |
| 5200020593      | 31.08.2014   | 75.086,74                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020593      | 31.08.2014   | -75.086,74                                                                             |
| 5200020607      | 01.09.2014   | -75.086,74                                                                             |
| 4300281779      | 21.12.2017   | 74.866,55                                                                              |
| 4300262623      | 02.11.2017   | 74.846,21                                                                              |
| 5200012003      | 01.06.2014   | 74.813,60                                                                              |
| 5200014992      | 01.07.2014   | 74.813,60                                                                              |
| 5200011990      | 31.05.2014   | 74.813,60                                                                              |
| 5200014977      | 30.06.2014   | 74.813,60                                                                              |
| 5200011990      | 31.05.2014   | -74.813,60                                                                             |
| 5200014977      | 30.06.2014   | -74.813,60                                                                             |
| 5200012003      | 01.06.2014   | -74.813,60                                                                             |
| 5200014992      | 01.07.2014   | -74.813,60                                                                             |
| 5200012143      | 01.06.2012   | 74.805,73                                                                              |
| 5200011869      | 31.05.2012   | -74.805,73                                                                             |
| 4300297257      | 07.12.2017   | 74.783,35                                                                              |
| 5200009984      | 01.04.2013   | 74.754,62                                                                              |
| 5200009970      | 31.03.2013   | 74.754,62                                                                              |
| 5200009970      | 31.03.2013   | -74.754,62                                                                             |
| 5200009984      | 01.04.2013   | -74.754,62                                                                             |
| 4300303485      | 13.12.2017   | 74.670,99                                                                              |
| 4300311126      | 18.12.2017   | 74.565,40                                                                              |
| 4300315551      | 07.12.2017   | 74.565,40                                                                              |
| 4300274371      | 16.11.2017   | 74.375,00                                                                              |
| 4300307415      | 16.12.2017   | 74.318,56                                                                              |
| 4300312920      | 18.12.2017   | 74.119,92                                                                              |
| 5200003803      | 01.03.2014   | 74.100,55                                                                              |
| 5200003794      | 28.02.2014   | 74.100,55                                                                              |
| 5200003794      | 28.02.2014   | -74.100,55                                                                             |
| 5200003803      | 01.03.2014   | -74.100,55                                                                             |
| 4300308471      | 18.12.2017   | 74.095,35                                                                              |
| 4300309846      | 14.12.2017   | 73.852,55                                                                              |
| 4300309851      | 14.12.2017   | 73.852,55                                                                              |
| 4300299418      | 09.12.2017   | 73.816,74                                                                              |
| 4300295876      | 06.12.2017   | 73.780,00                                                                              |
| 5200012683      | 01.05.2013   | 73.773,64                                                                              |
| 5200012674      | 30.04.2013   | 73.773,64                                                                              |
| 5200012674      | 30.04.2013   | -73.773,64                                                                             |
| 5200012683      | 01.05.2013   | -73.773,64                                                                             |
| 5200017639      | 01.08.2012   | 73.740,84                                                                              |
| 5200017353      | 31.07.2012   | -73.740,84                                                                             |
| 5200012649      | 01.06.2014   | 73.731,44                                                                              |
| 5200012204      | 31.05.2014   | -73.731,44                                                                             |
| 5200012042      | 01.05.2015   | 73.564,45                                                                              |
| 5200011629      | 30.04.2015   | -73.564,45                                                                             |
| 4300301685      | 09.12.2017   | 73.500,00                                                                              |
| 4300315314      | 27.12.2017   | 73.299,84                                                                              |
| 4300292712      | 06.12.2017   | 73.271,54                                                                              |
| 5200006698      | 01.04.2012   | 73.057,66                                                                              |
| 5200006402      | 31.03.2012   | -73.057,66                                                                             |
| 4800063275      | 27.11.2017   | 72.990,39                                                                              |
| 5200028464      | 30.11.2014   | 72.925,79                                                                              |
| 4300285910      | 24.11.2017   | 72.893,55                                                                              |
| 5200040407      | 01.12.2017   | 72.878,30                                                                              |
| 5200039862      | 30.11.2017   | -72.878,30                                                                             |
| 4300262964      | 09.11.2017   | 72.832,04                                                                              |
| 5200020282      | 01.09.2012   | 72.775,35                                                                              |
| 5200019996      | 31.08.2012   | -72.775,35                                                                             |
| 5200009065      | 01.05.2012   | 72.768,31                                                                              |
| 5200008787      | 30.04.2012   | -72.768,31                                                                             |
| 4300237471      | 05.10.2017   | 72.685,20                                                                              |
| 5200014836      | 01.07.2012   | 72.611,02                                                                              |
| 5200014546      | 30.06.2012   | -72.611,02                                                                             |
| 4300314664      | 28.12.2017   | 72.568,21                                                                              |
| 4300315892      | 29.12.2017   | 72.537,00                                                                              |
| 5200019905      | 31.12.2011   | 72.450,51                                                                              |
| 5200006841      | 31.10.2010   | -72.447,18                                                                             |
| 4300311497      | 21.12.2017   | 72.386,56                                                                              |
| 5200026013      | 30.09.2013   | -72.374,38                                                                             |
| 5200017993      | 01.06.2017   | 72.366,62                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200017439      | 31.05.2017   | -72.366,62                                                                             |
| 4300282191      | 20.12.2017   | 72.240,00                                                                              |
| 5200006244      | 01.03.2017   | 72.224,25                                                                              |
| 5200005705      | 28.02.2017   | -72.224,25                                                                             |
| 4300274059      | 09.11.2017   | 72.173,62                                                                              |
| 5200007601      | 01.12.2010   | 72.089,52                                                                              |
| 5200007572      | 30.11.2010   | 72.089,52                                                                              |
| 5200007572      | 30.11.2010   | -72.089,52                                                                             |
| 5200007601      | 01.12.2010   | -72.089,52                                                                             |
| 5200024710      | 01.08.2017   | 72.049,77                                                                              |
| 5200024166      | 31.07.2017   | -72.049,77                                                                             |
| 4300297394      | 23.12.2015   | 71.991,48                                                                              |
| 5200001651      | 01.02.2014   | 71.952,27                                                                              |
| 5200001282      | 31.01.2014   | -71.952,27                                                                             |
| 4300295580      | 05.12.2017   | 71.806,50                                                                              |
| 4300304455      | 18.12.2017   | 71.789,84                                                                              |
| 4300315148      | 14.12.2017   | 71.789,84                                                                              |
| 5200028619      | 01.12.2014   | 71.646,20                                                                              |
| 5200028575      | 30.11.2014   | 71.646,20                                                                              |
| 5200028575      | 30.11.2014   | -71.646,20                                                                             |
| 5200028619      | 01.12.2014   | -71.646,20                                                                             |
| 5200016207      | 30.06.2016   | -71.519,33                                                                             |
| 4300292167      | 01.12.2017   | 71.400,00                                                                              |
| 4300307019      | 19.12.2017   | 71.400,00                                                                              |
| 5200009868      | 01.05.2014   | 71.145,61                                                                              |
| 5200009446      | 30.04.2014   | -71.145,61                                                                             |
| 4300269682      | 10.11.2017   | 70.837,23                                                                              |
| 4300269682      | 10.11.2017   | 70.837,23                                                                              |
| 5200000858      | 31.01.2009   | -70.834,44                                                                             |
| 4300269701      | 09.11.2017   | 70.705,98                                                                              |
| 5200000883      | 01.02.2011   | 70.647,08                                                                              |
| 5200000853      | 31.01.2011   | 70.647,08                                                                              |
| 5200000853      | 31.01.2011   | -70.647,08                                                                             |
| 5200000883      | 01.02.2011   | -70.647,08                                                                             |
| 5200020773      | 01.08.2016   | 70.591,85                                                                              |
| 5200020308      | 31.07.2016   | -70.591,85                                                                             |
| 4300273793      | 13.11.2017   | 70.587,00                                                                              |
| 5200004646      | 01.03.2015   | 70.500,06                                                                              |
| 5200004216      | 28.02.2015   | -70.500,06                                                                             |
| 5200032060      | 30.11.2016   | 70.473,04                                                                              |
| 5200017906      | 01.08.2014   | 70.398,19                                                                              |
| 5200017895      | 31.07.2014   | 70.398,19                                                                              |
| 5200017895      | 31.07.2014   | -70.398,19                                                                             |
| 5200017906      | 01.08.2014   | -70.398,19                                                                             |
| 4300310860      | 20.12.2017   | 70.338,27                                                                              |
| 4300314160      | 27.12.2017   | 70.000,00                                                                              |
| 5200009829      | 01.05.2014   | 69.952,76                                                                              |
| 5200009407      | 30.04.2014   | -69.952,76                                                                             |
| 5200031278      | 30.09.2017   | 69.924,45                                                                              |
| 4600000127      | 09.02.2017   | 69.920,74                                                                              |
| 4300144726      | 15.06.2017   | 69.903,39                                                                              |
| 4300297554      | 06.12.2017   | 69.899,60                                                                              |
| 4300284915      | 21.11.2017   | 69.799,94                                                                              |
| 4300284918      | 21.11.2017   | 69.799,94                                                                              |
| 5200000302      | 31.01.2009   | 69.743,46                                                                              |
| 5200005742      | 01.03.2016   | 69.693,24                                                                              |
| 5200005228      | 29.02.2016   | -69.693,24                                                                             |
| 4300300628      | 08.12.2017   | 69.658,75                                                                              |
| 4300277541      | 21.11.2017   | 69.548,06                                                                              |
| 5200023822      | 01.10.2014   | 69.377,83                                                                              |
| 5200023497      | 30.09.2014   | -69.377,83                                                                             |
| 5200007157      | 01.04.2014   | 69.362,04                                                                              |
| 5200006753      | 31.03.2014   | -69.362,04                                                                             |
| 5200029184      | 01.11.2015   | 69.351,03                                                                              |
| 5200028776      | 31.10.2015   | -69.351,03                                                                             |
| 2825674         | 28.02.1993   | 69.315,53                                                                              |
| 2825675         | 01.03.1993   | -69.315,53                                                                             |
| 5200001749      | 31.01.2015   | -69.217,57                                                                             |
| 5200009102      | 01.05.2012   | 69.189,47                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008824      | 30.04.2012   | -69.189,47                                                                             |
| 4300315484      | 29.12.2017   | 69.148,20                                                                              |
| 4300275268      | 15.11.2017   | 69.126,80                                                                              |
| 4300311133      | 14.12.2017   | 68.962,00                                                                              |
| 4300312931      | 22.12.2017   | 68.950,18                                                                              |
| 4300276708      | 09.11.2017   | 68.943,73                                                                              |
| 5200025582      | 01.11.2012   | 68.854,86                                                                              |
| 5200025571      | 31.10.2012   | 68.854,86                                                                              |
| 5200025571      | 31.10.2012   | -68.854,86                                                                             |
| 5200025582      | 01.11.2012   | -68.854,86                                                                             |
| 4300281533      | 23.11.2017   | 68.853,38                                                                              |
| 5200001623      | 31.01.2002   | 68.811,08                                                                              |
| 5200001786      | 01.02.2002   | -68.811,08                                                                             |
| 5200006924      | 31.10.2007   | -68.743,67                                                                             |
| 5200009145      | 01.05.2012   | 68.564,54                                                                              |
| 5200008867      | 30.04.2012   | -68.564,54                                                                             |
| 4300269677      | 10.11.2017   | 68.498,14                                                                              |
| 5200003749      | 28.02.2014   | -68.447,64                                                                             |
| 4300287787      | 28.11.2017   | 68.369,40                                                                              |
| 4300314341      | 21.12.2017   | 68.089,59                                                                              |
| 5200022471      | 31.08.2015   | 67.908,72                                                                              |
| 4300315248      | 05.12.2017   | 67.900,00                                                                              |
| 6000367780      | 25.11.2015   | -67.793,58                                                                             |
| 5200000345      | 01.01.2014   | 67.702,90                                                                              |
| 5200033652      | 31.12.2013   | -67.702,90                                                                             |
| 4300293275      | 06.12.2017   | 67.664,49                                                                              |
| 4300288010      | 28.11.2017   | 67.592,00                                                                              |
| 4300309296      | 19.12.2017   | 67.390,53                                                                              |
| 4300287748      | 24.11.2017   | 67.370,31                                                                              |
| 4300314857      | 26.12.2017   | 67.244,84                                                                              |
| 5200006755      | 01.04.2012   | 67.214,04                                                                              |
| 5200006459      | 31.03.2012   | -67.214,04                                                                             |
| 5200020768      | 01.08.2016   | 67.187,28                                                                              |
| 5200020303      | 31.07.2016   | -67.187,28                                                                             |
| 4300306857      | 16.12.2017   | 67.060,17                                                                              |
| 5200008417      | 31.12.2009   | -66.919,71                                                                             |
| 4300289220      | 04.12.2017   | 66.876,44                                                                              |
| 5200033566      | 31.12.2013   | -66.798,63                                                                             |
| 5200017020      | 01.07.2016   | 66.794,31                                                                              |
| 5200016565      | 30.06.2016   | -66.794,31                                                                             |
| 4300302786      | 14.12.2017   | 66.718,96                                                                              |
| 4300280896      | 21.11.2017   | 66.706,23                                                                              |
| 4300290236      | 01.12.2017   | 66.640,00                                                                              |
| 4300291007      | 04.12.2017   | 66.608,56                                                                              |
| 4300285761      | 22.11.2017   | 66.598,85                                                                              |
| 4300290971      | 01.12.2017   | 66.477,90                                                                              |
| 4300310927      | 14.12.2017   | 66.446,64                                                                              |
| 5200001749      | 01.02.2016   | 66.411,21                                                                              |
| 5200001265      | 31.01.2016   | -66.411,21                                                                             |
| 5200017027      | 01.07.2016   | 66.336,52                                                                              |
| 5200016572      | 30.06.2016   | -66.336,52                                                                             |
| 4300311465      | 21.12.2017   | 66.325,26                                                                              |
| 5200014791      | 01.07.2012   | 66.304,26                                                                              |
| 5200014501      | 30.06.2012   | -66.304,26                                                                             |
| 4300295908      | 07.12.2017   | 66.295,27                                                                              |
| 4800063978      | 29.11.2017   | 66.274,14                                                                              |
| 4300286510      | 28.11.2017   | 66.141,53                                                                              |
| 5200012114      | 01.06.2012   | 66.092,64                                                                              |
| 5200011840      | 31.05.2012   | -66.092,64                                                                             |
| 4300285759      | 24.11.2017   | 66.070,00                                                                              |
| 4300275170      | 16.11.2017   | 65.902,34                                                                              |
| 5200030763      | 31.12.2012   | -65.902,00                                                                             |
| 4300315294      | 28.12.2017   | 65.747,83                                                                              |
| 4300271378      | 10.11.2017   | 65.665,00                                                                              |
| 5200026337      | 01.11.2014   | 65.569,53                                                                              |
| 5200025984      | 31.10.2014   | -65.569,53                                                                             |
| 5200003157      | 01.02.2013   | 65.510,76                                                                              |
| 5200002818      | 31.01.2013   | -65.510,76                                                                             |
| 4300280045      | 18.11.2017   | 65.496,18                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300288039      | 30.11.2017   | 65.434,39                                                                              |
| 4300288458      | 28.11.2017   | 65.350,52                                                                              |
| 5200007920      | 01.04.2015   | 65.159,59                                                                              |
| 5200007518      | 31.03.2015   | -65.159,59                                                                             |
| 5200032130      | 01.10.2017   | 65.154,09                                                                              |
| 5200031577      | 30.09.2017   | -65.154,09                                                                             |
| 4300279104      | 14.11.2017   | 65.148,00                                                                              |
| 4300288120      | 22.11.2017   | 65.015,00                                                                              |
| 4300312556      | 21.12.2017   | 64.960,00                                                                              |
| 4300299373      | 05.12.2017   | 64.843,33                                                                              |
| 5200012633      | 30.04.2013   | -64.835,66                                                                             |
| 5200031456      | 01.12.2015   | -64.738,78                                                                             |
| 5200026395      | 01.11.2014   | 64.696,28                                                                              |
| 5200026042      | 31.10.2014   | -64.696,28                                                                             |
| 4300309732      | 21.12.2017   | 64.570,99                                                                              |
| 5200006254      | 01.03.2017   | 64.492,99                                                                              |
| 5200005715      | 28.02.2017   | -64.492,99                                                                             |
| 4300315581      | 13.12.2017   | 64.299,83                                                                              |
| 4500001336      | 21.07.2014   | 64.006,18                                                                              |
| 5200015760      | 01.10.2011   | 63.907,82                                                                              |
| 5200015737      | 30.09.2011   | 63.907,82                                                                              |
| 5200015737      | 30.09.2011   | -63.907,82                                                                             |
| 5200015760      | 01.10.2011   | -63.907,82                                                                             |
| 4300308124      | 13.12.2017   | 63.884,16                                                                              |
| 4300253135      | 23.10.2017   | 63.866,15                                                                              |
| 4300256923      | 25.10.2017   | 63.828,07                                                                              |
| 4300276805      | 14.11.2017   | 63.797,04                                                                              |
| 5200020334      | 01.08.2015   | 63.795,21                                                                              |
| 5200019967      | 31.07.2015   | -63.795,21                                                                             |
| 5200023895      | 01.09.2013   | 63.792,23                                                                              |
| 5200023543      | 31.08.2013   | -63.792,23                                                                             |
| 5200005938      | 31.08.2009   | 63.779,95                                                                              |
| 5200035813      | 01.11.2017   | 63.756,31                                                                              |
| 5200035262      | 31.10.2017   | -63.756,31                                                                             |
| 4600001108      | 01.09.2009   | -63.752,71                                                                             |
| 4300284909      | 27.11.2017   | 63.655,63                                                                              |
| 4300312371      | 22.12.2017   | 63.592,35                                                                              |
| 4300192536      | 11.08.2017   | 63.490,39                                                                              |
| 5200023905      | 01.09.2013   | 63.489,67                                                                              |
| 5200023553      | 31.08.2013   | -63.489,67                                                                             |
| 4300309563      | 22.12.2017   | 63.275,12                                                                              |
| 5200001526      | 01.02.2014   | 63.156,84                                                                              |
| 5200001157      | 31.01.2014   | -63.156,84                                                                             |
| 4800069577      | 27.12.2017   | 63.070,00                                                                              |
| 4300313509      | 27.12.2017   | 63.070,00                                                                              |
| 4300271449      | 10.11.2017   | 62.997,23                                                                              |
| 5200012102      | 01.06.2012   | 62.980,59                                                                              |
| 5200011828      | 31.05.2012   | -62.980,59                                                                             |
| 4300291450      | 05.12.2017   | 62.955,62                                                                              |
| 5200022254      | 01.10.2012   | 62.818,73                                                                              |
| 5200021960      | 30.09.2012   | -62.818,73                                                                             |
| 4300313386      | 21.12.2017   | 62.808,78                                                                              |
| 4300281164      | 21.11.2017   | 62.733,82                                                                              |
| 5200002778      | 30.04.2006   | -62.538,82                                                                             |
| 5200004238      | 01.03.2012   | 62.474,38                                                                              |
| 5200003966      | 29.02.2012   | -62.474,38                                                                             |
| 4300271501      | 06.11.2017   | 62.470,37                                                                              |
| 4300315398      | 29.12.2017   | 62.326,05                                                                              |
| 5200021279      | 01.08.2013   | 62.279,60                                                                              |
| 5200020924      | 31.07.2013   | -62.279,60                                                                             |
| 4300312268      | 22.12.2017   | 62.253,36                                                                              |
| 4300313834      | 22.12.2017   | 62.253,36                                                                              |
| 4300315366      | 21.12.2017   | 62.247,09                                                                              |
| 5200007864      | 31.12.2010   | -62.216,01                                                                             |
| 4800063270      | 27.11.2017   | 62.193,02                                                                              |
| 4300313886      | 28.12.2017   | 62.013,97                                                                              |
| 4300312109      | 27.12.2017   | 61.945,25                                                                              |
| 4300308664      | 18.12.2017   | 61.933,10                                                                              |
| 5200012563      | 01.08.2011   | 61.888,02                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200012523      | 31.07.2011   | 61.888,02                                                                              |
| 5200012523      | 31.07.2011   | -61.888,02                                                                             |
| 5200012563      | 01.08.2011   | -61.888,02                                                                             |
| 4300307125      | 16.12.2017   | 61.771,12                                                                              |
| 4300315365      | 13.12.2017   | 61.693,50                                                                              |
| 4300267023      | 06.11.2017   | 61.663,50                                                                              |
| 4300288788      | 09.11.2017   | 61.662,14                                                                              |
| 4300295117      | 05.12.2017   | 61.603,92                                                                              |
| 4300251512      | 20.10.2017   | 61.199,62                                                                              |
| 4300271495      | 07.11.2017   | 61.191,07                                                                              |
| 5200017937      | 30.06.2013   | 61.112,19                                                                              |
| 5200014621      | 31.12.2002   | -61.043,18                                                                             |
| 5200000229      | 30.04.2001   | 61.022,94                                                                              |
| 5200000402      | 01.05.2001   | -61.022,94                                                                             |
| 4300296224      | 07.12.2017   | 60.994,64                                                                              |
| 5200021695      | 01.07.2017   | 60.960,33                                                                              |
| 5200021144      | 30.06.2017   | -60.960,33                                                                             |
| 4300313622      | 05.12.2017   | 60.908,96                                                                              |
| 5200007246      | 31.03.2015   | -60.888,02                                                                             |
| 6000030941      | 30.01.2009   | 60.808,46                                                                              |
| 4300310923      | 20.12.2017   | 60.807,21                                                                              |
| 6000319504      | 02.11.2007   | 60.797,04                                                                              |
| 4300313521      | 27.12.2017   | 60.666,20                                                                              |
| 4300300910      | 11.12.2017   | 60.600,00                                                                              |
| 4300314255      | 28.12.2017   | 60.497,60                                                                              |
| 5200001747      | 31.01.2015   | 60.481,24                                                                              |
| 4300279134      | 20.11.2017   | 60.474,80                                                                              |
| 5200034079      | 31.12.2016   | -60.405,34                                                                             |
| 5200003714      | 29.02.2012   | -60.315,64                                                                             |
| 5200000784      | 31.01.2011   | -60.239,38                                                                             |
| 5200002402      | 01.02.2012   | 60.112,36                                                                              |
| 5200002160      | 31.01.2012   | -60.112,36                                                                             |
| 4300277503      | 21.11.2017   | 60.105,47                                                                              |
| 4300308670      | 18.12.2017   | 60.095,46                                                                              |
| 5200028552      | 31.10.2015   | -60.080,61                                                                             |
| 4300279910      | 10.11.2017   | 60.000,00                                                                              |
| 4300310574      | 20.12.2017   | 59.997,42                                                                              |
| 5200003974      | 31.07.2001   | 59.978,88                                                                              |
| 5200004128      | 01.08.2001   | -59.978,88                                                                             |
| 4300291018      | 04.12.2017   | 59.952,06                                                                              |
| 4300059451      | 06.04.2017   | 59.914,40                                                                              |
| 4300285777      | 23.11.2017   | 59.881,47                                                                              |
| 5200000387      | 01.01.2014   | 59.731,38                                                                              |
| 5200033694      | 31.12.2013   | -59.731,38                                                                             |
| 4300278084      | 09.11.2017   | 59.686,81                                                                              |
| 5200017100      | 31.07.2012   | 59.631,16                                                                              |
| 4300288306      | 02.11.2017   | 59.615,53                                                                              |
| 5200023721      | 01.09.2016   | 59.570,95                                                                              |
| 5200023263      | 31.08.2016   | -59.570,95                                                                             |
| 4300309194      | 16.12.2017   | 59.522,50                                                                              |
| 4300302600      | 14.12.2017   | 59.500,00                                                                              |
| 5200009544      | 01.04.2017   | 59.481,51                                                                              |
| 5200009012      | 31.03.2017   | -59.481,51                                                                             |
| 5200001038      | 31.01.2016   | -59.369,60                                                                             |
| 5200020285      | 01.09.2012   | 59.366,24                                                                              |
| 5200019999      | 31.08.2012   | -59.366,24                                                                             |
| 5200017992      | 01.06.2017   | 59.319,16                                                                              |
| 5200017438      | 31.05.2017   | -59.319,16                                                                             |
| 4300285588      | 18.11.2017   | 59.184,58                                                                              |
| 4300308317      | 16.12.2017   | 59.169,52                                                                              |
| 4300298679      | 12.12.2017   | 59.153,87                                                                              |
| 4300280513      | 22.11.2017   | 59.075,60                                                                              |
| 4300312165      | 15.12.2017   | 59.018,99                                                                              |
| 5200036539      | 30.11.2001   | 58.979,47                                                                              |
| 5200036721      | 01.12.2001   | -58.979,47                                                                             |
| 5200027593      | 31.08.2017   | -58.930,84                                                                             |
| 4300281807      | 09.11.2017   | 58.886,51                                                                              |
| 5200018058      | 01.06.2017   | 58.786,40                                                                              |
| 5200017504      | 31.05.2017   | -58.786,40                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023612      | 01.09.2016   | 58.705,97                                                                              |
| 5200023154      | 31.08.2016   | -58.705,97                                                                             |
| 5200024696      | 01.08.2017   | 58.569,07                                                                              |
| 5200024152      | 31.07.2017   | -58.569,07                                                                             |
| 4300310272      | 18.12.2017   | 58.544,47                                                                              |
| 5200009053      | 01.05.2012   | 58.499,91                                                                              |
| 5200008775      | 30.04.2012   | -58.499,91                                                                             |
| 4300162430      | 21.08.2017   | 58.470,70                                                                              |
| 4300281192      | 21.11.2017   | 58.039,26                                                                              |
| 4300295836      | 06.12.2017   | 57.942,79                                                                              |
| 6000057346      | 24.02.2015   | -57.861,35                                                                             |
| 4300285936      | 21.11.2017   | 57.839,95                                                                              |
| 5200006709      | 30.09.2008   | 57.793,09                                                                              |
| 5200017070      | 31.05.2017   | -57.723,82                                                                             |
| 4300173329      | 06.07.2017   | 57.651,44                                                                              |
| 4300300231      | 11.12.2017   | 57.532,00                                                                              |
| 4300294849      | 05.12.2017   | 57.478,31                                                                              |
| 4300277228      | 16.11.2017   | 57.339,28                                                                              |
| 5200014107      | 01.05.2017   | 57.242,32                                                                              |
| 5200013557      | 30.04.2017   | -57.242,32                                                                             |
| 5200005889      | 01.05.2011   | 57.152,45                                                                              |
| 5200005843      | 30.04.2011   | 57.152,45                                                                              |
| 5200005843      | 30.04.2011   | -57.152,45                                                                             |
| 5200005889      | 01.05.2011   | -57.152,45                                                                             |
| 5200026607      | 01.10.2013   | 57.121,75                                                                              |
| 5200026240      | 30.09.2013   | -57.121,75                                                                             |
| 4300305208      | 21.12.2017   | 57.120,00                                                                              |
| 5200006859      | 31.05.2002   | -57.022,16                                                                             |
| 5200028747      | 31.10.2013   | -57.002,50                                                                             |
| 4300281041      | 21.11.2017   | 56.803,32                                                                              |
| 4300288212      | 19.12.2017   | 56.684,78                                                                              |
| 4300306708      | 16.12.2017   | 56.594,26                                                                              |
| 4300310856      | 16.12.2017   | 56.525,00                                                                              |
| 5200004270      | 01.03.2012   | 56.515,38                                                                              |
| 5200003998      | 29.02.2012   | -56.515,38                                                                             |
| 5200017634      | 01.08.2012   | 56.489,00                                                                              |
| 5200017348      | 31.07.2012   | -56.489,00                                                                             |
| 5200034417      | 31.12.2016   | -56.354,12                                                                             |
| 5200003283      | 01.02.2013   | 56.225,64                                                                              |
| 5200002943      | 31.01.2013   | -56.225,64                                                                             |
| 5200002339      | 01.02.2012   | 56.223,78                                                                              |
| 5200002097      | 31.01.2012   | -56.223,78                                                                             |
| 4300309311      | 07.12.2017   | 56.182,67                                                                              |
| 4300305270      | 14.12.2017   | 56.134,26                                                                              |
| 4300288321      | 28.11.2017   | 56.074,17                                                                              |
| 5200016904      | 01.07.2016   | 56.069,08                                                                              |
| 5200016449      | 30.06.2016   | -56.069,08                                                                             |
| 5200008534      | 31.03.2017   | 56.060,43                                                                              |
| 5200001965      | 31.03.2006   | -55.848,24                                                                             |
| 4300262228      | 02.11.2017   | 55.732,80                                                                              |
| 4300312867      | 21.12.2017   | 55.690,05                                                                              |
| 5200017631      | 01.07.2015   | 55.623,81                                                                              |
| 5200017279      | 30.06.2015   | -55.623,81                                                                             |
| 4300285869      | 27.11.2017   | 55.523,52                                                                              |
| 5200010885      | 01.07.2011   | 55.300,73                                                                              |
| 5200010847      | 30.06.2011   | 55.300,73                                                                              |
| 5200010847      | 30.06.2011   | -55.300,73                                                                             |
| 5200010885      | 01.07.2011   | -55.300,73                                                                             |
| 4300315867      | 22.12.2017   | 55.279,04                                                                              |
| 5200026462      | 01.11.2014   | 55.150,65                                                                              |
| 5200026109      | 31.10.2014   | -55.150,65                                                                             |
| 4300274117      | 15.11.2017   | 55.135,08                                                                              |
| 4300159632      | 06.07.2017   | 55.094,26                                                                              |
| 4300295665      | 05.12.2017   | 55.079,17                                                                              |
| 4300276358      | 15.11.2017   | 55.000,00                                                                              |
| 4300276360      | 15.11.2017   | 55.000,00                                                                              |
| 4300303243      | 15.12.2017   | 54.988,71                                                                              |
| 5200010502      | 01.04.2013   | 54.845,35                                                                              |
| 5200010161      | 31.03.2013   | -54.845,35                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007043      | 01.04.2014   | 54.804,34                                                                              |
| 5200006639      | 31.03.2014   | -54.804,34                                                                             |
| 5200029815      | 01.11.2016   | 54.760,16                                                                              |
| 5200029366      | 31.10.2016   | -54.760,16                                                                             |
| 5200023705      | 01.10.2014   | 54.586,98                                                                              |
| 5200023380      | 30.09.2014   | -54.586,98                                                                             |
| 5200008068      | 30.11.2009   | -54.554,56                                                                             |
| 5200023088      | 01.09.2015   | 54.444,11                                                                              |
| 5200022709      | 31.08.2015   | -54.444,11                                                                             |
| 4300294069      | 04.12.2017   | 54.359,80                                                                              |
| 4300301989      | 08.12.2017   | 54.359,80                                                                              |
| 4600000770      | 18.08.2014   | -54.318,22                                                                             |
| 5200023714      | 01.10.2014   | 54.314,47                                                                              |
| 5200023389      | 30.09.2014   | -54.314,47                                                                             |
| 5200022905      | 31.08.2016   | 54.312,18                                                                              |
| 4300287296      | 27.11.2017   | 54.194,52                                                                              |
| 5200001968      | 31.03.2006   | 54.110,78                                                                              |
| 4300315199      | 23.12.2017   | 54.068,72                                                                              |
| 5200023703      | 01.10.2014   | 54.063,42                                                                              |
| 5200023378      | 30.09.2014   | -54.063,42                                                                             |
| 4300305107      | 05.12.2017   | 54.058,25                                                                              |
| 4300306599      | 19.12.2017   | 54.000,00                                                                              |
| 4300310884      | 16.12.2017   | 53.943,86                                                                              |
| 4300280068      | 20.11.2017   | 53.823,11                                                                              |
| 4300280017      | 14.11.2017   | 53.817,50                                                                              |
| 4300290975      | 01.12.2017   | 53.591,51                                                                              |
| 4500002075      | 27.11.2017   | -53.550,00                                                                             |
| 4300313443      | 21.12.2017   | 53.530,23                                                                              |
| 5200000386      | 01.01.2017   | 53.519,39                                                                              |
| 5200034293      | 31.12.2016   | -53.519,39                                                                             |
| 4300313353      | 22.12.2017   | 53.487,67                                                                              |
| 4300314843      | 22.12.2017   | 53.487,67                                                                              |
| 2701466         | 01.01.2001   | 53.333,99                                                                              |
| 2701465         | 31.12.2000   | -53.333,99                                                                             |
| 4300284911      | 27.11.2017   | 53.302,99                                                                              |
| 4300305022      | 15.12.2017   | 53.280,00                                                                              |
| 4300301287      | 14.12.2017   | 53.253,61                                                                              |
| 5200022303      | 01.10.2012   | 53.200,00                                                                              |
| 5200025984      | 01.11.2012   | 53.200,00                                                                              |
| 5200022009      | 30.09.2012   | -53.200,00                                                                             |
| 5200025679      | 31.10.2012   | -53.200,00                                                                             |
| 4300301260      | 13.12.2017   | 53.125,32                                                                              |
| 4300309642      | 01.12.2017   | 53.070,00                                                                              |
| 4300306833      | 15.12.2017   | 52.958,83                                                                              |
| 4300291655      | 02.12.2017   | 52.907,40                                                                              |
| 5200014770      | 01.06.2016   | 52.838,73                                                                              |
| 5200014302      | 31.05.2016   | -52.838,73                                                                             |
| 5200006246      | 01.03.2017   | 52.813,74                                                                              |
| 5200005707      | 28.02.2017   | -52.813,74                                                                             |
| 5200020642      | 01.08.2016   | 52.774,76                                                                              |
| 5200020177      | 31.07.2016   | -52.774,76                                                                             |
| 4300306136      | 16.12.2017   | 52.757,52                                                                              |
| 4300302544      | 08.12.2017   | 52.727,49                                                                              |
| 4300308750      | 18.12.2017   | 52.723,23                                                                              |
| 4300284967      | 22.11.2017   | 52.694,49                                                                              |
| 5200042158      | 31.12.2017   | -52.668,47                                                                             |
| 4300300771      | 08.12.2017   | 52.643,01                                                                              |
| 5200013961      | 01.05.2017   | 52.601,96                                                                              |
| 5200013411      | 30.04.2017   | -52.601,96                                                                             |
| 4300288506      | 30.11.2017   | 52.583,13                                                                              |
| 4300287480      | 02.11.2017   | 52.532,22                                                                              |
| 4300313447      | 21.12.2017   | 52.511,77                                                                              |
| 5200007878      | 01.04.2015   | 52.495,68                                                                              |
| 5200007476      | 31.03.2015   | -52.495,68                                                                             |
| 4600000802      | 27.08.2014   | -52.469,33                                                                             |
| 4300281061      | 22.11.2017   | 52.408,79                                                                              |
| 4300299378      | 06.12.2017   | 52.366,74                                                                              |
| 4300296326      | 06.12.2017   | 52.360,00                                                                              |
| 5200014973      | 01.06.2015   | 52.244,38                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014583      | 31.05.2015   | -52.244,38                                                                             |
| 5200006757      | 01.04.2012   | 52.154,39                                                                              |
| 5200006461      | 31.03.2012   | -52.154,39                                                                             |
| 5200003009      | 01.02.2017   | 52.042,62                                                                              |
| 5200002463      | 31.01.2017   | -52.042,62                                                                             |
| 4300237290      | 09.10.2017   | 51.977,40                                                                              |
| 4300290807      | 04.12.2017   | 51.940,81                                                                              |
| 5200028314      | 30.11.2012   | -51.843,66                                                                             |
| 6000065806      | 27.02.2009   | -51.791,78                                                                             |
| 5200025929      | 01.11.2012   | 51.770,51                                                                              |
| 5200025624      | 31.10.2012   | -51.770,51                                                                             |
| 4500001899      | 03.11.2017   | -51.766,20                                                                             |
| 4300306486      | 14.12.2017   | 51.754,00                                                                              |
| 4300272301      | 13.11.2017   | 51.749,54                                                                              |
| 4300309986      | 21.12.2017   | 51.703,17                                                                              |
| 5200018132      | 01.06.2017   | 51.622,78                                                                              |
| 5200017578      | 31.05.2017   | -51.622,78                                                                             |
| 4300315743      | 29.12.2017   | 51.602,86                                                                              |
| 4300281802      | 22.11.2017   | 51.550,45                                                                              |
| 5200001911      | 31.05.2001   | 51.547,72                                                                              |
| 5200002090      | 01.06.2001   | -51.547,72                                                                             |
| 4300300680      | 11.12.2017   | 51.522,40                                                                              |
| 5200041959      | 31.12.2017   | -51.457,50                                                                             |
| 5200001586      | 29.02.2008   | -51.385,78                                                                             |
| 6000044320      | 12.02.2013   | 51.383,65                                                                              |
| 5200029057      | 01.12.2014   | 51.228,00                                                                              |
| 5200028694      | 30.11.2014   | -51.228,00                                                                             |
| 4300315338      | 21.12.2017   | 51.215,22                                                                              |
| 4300315578      | 16.12.2017   | 51.215,22                                                                              |
| 5200000453      | 01.01.2013   | 51.111,37                                                                              |
| 5200030836      | 31.12.2012   | -51.111,37                                                                             |
| 5200006007      | 31.08.2008   | -51.074,55                                                                             |
| 5200011102      | 01.05.2016   | 51.052,91                                                                              |
| 5200010625      | 30.04.2016   | -51.052,91                                                                             |
| 5200002496      | 01.03.2011   | 51.017,61                                                                              |
| 5200002464      | 28.02.2011   | 51.017,61                                                                              |
| 5200002464      | 28.02.2011   | -51.017,61                                                                             |
| 5200002496      | 01.03.2011   | -51.017,61                                                                             |
| 5200031789      | 01.12.2013   | 50.956,55                                                                              |
| 5200031434      | 30.11.2013   | -50.956,55                                                                             |
| 5200000509      | 01.01.2012   | 50.905,05                                                                              |
| 5200020038      | 31.12.2011   | -50.905,05                                                                             |
| 4300314755      | 14.12.2017   | 50.813,00                                                                              |
| 4300315390      | 29.12.2017   | 50.782,79                                                                              |
| 5200012101      | 01.06.2012   | 50.662,97                                                                              |
| 5200011827      | 31.05.2012   | -50.662,97                                                                             |
| 4300300523      | 14.12.2017   | 50.492,35                                                                              |
| 4300300175      | 08.12.2017   | 50.476,55                                                                              |
| 4300297463      | 05.12.2017   | 50.332,30                                                                              |
| 4300293492      | 06.12.2017   | 50.312,01                                                                              |
| 4300293207      | 01.12.2017   | 50.250,00                                                                              |
| 4300273616      | 15.11.2017   | 50.206,10                                                                              |
| 5200009817      | 01.05.2014   | 50.135,38                                                                              |
| 5200009395      | 30.04.2014   | -50.135,38                                                                             |
| 5200015788      | 01.06.2013   | 50.124,97                                                                              |
| 5200015431      | 31.05.2013   | -50.124,97                                                                             |
| 4300310685      | 16.12.2017   | 50.107,33                                                                              |
| 5200000470      | 01.01.2012   | 50.105,16                                                                              |
| 5200019999      | 31.12.2011   | -50.105,16                                                                             |
| 5200006621      | 30.09.2009   | -50.090,60                                                                             |
| 4000384508      | 17.12.2010   | 50.038,15                                                                              |
| 4300301930      | 06.12.2017   | 50.006,50                                                                              |
| 4300310998      | 22.12.2017   | 50.000,00                                                                              |
| 4300300766      | 13.12.2017   | 50.000,00                                                                              |
| 4300310392      | 20.12.2017   | 50.000,00                                                                              |
| 4300301926      | 21.12.2017   | 50.000,00                                                                              |
| 4300276823      | 13.11.2017   | 49.941,28                                                                              |
| 5200018446      | 01.08.2014   | 49.930,53                                                                              |
| 5200018023      | 31.07.2014   | -49.930,53                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200028999      | 01.12.2014   | 49.860,90                                                                              |
| 5200028636      | 30.11.2014   | -49.860,90                                                                             |
| 4300278045      | 11.12.2017   | 49.811,49                                                                              |
| 5200014101      | 01.09.2011   | 49.811,12                                                                              |
| 5200014069      | 31.08.2011   | 49.811,12                                                                              |
| 5200014069      | 31.08.2011   | -49.811,12                                                                             |
| 5200014101      | 01.09.2011   | -49.811,12                                                                             |
| 4300305975      | 14.12.2017   | 49.706,00                                                                              |
| 4300312606      | 22.12.2017   | 49.649,00                                                                              |
| 5200015517      | 01.07.2014   | 49.621,97                                                                              |
| 5200015089      | 30.06.2014   | -49.621,97                                                                             |
| 4300278690      | 20.11.2017   | 49.544,50                                                                              |
| 4300315311      | 27.12.2017   | 49.544,50                                                                              |
| 4300284563      | 27.11.2017   | 49.505,00                                                                              |
| 4300286014      | 29.11.2017   | 49.501,62                                                                              |
| 4300315162      | 29.12.2017   | 49.426,72                                                                              |
| 4300294371      | 01.12.2017   | 49.398,98                                                                              |
| 5200017673      | 01.07.2015   | 49.314,18                                                                              |
| 5200017321      | 30.06.2015   | -49.314,18                                                                             |
| 4300288738      | 21.11.2017   | 49.150,00                                                                              |
| 4300301261      | 11.12.2017   | 49.139,16                                                                              |
| 5200013205      | 01.05.2013   | 49.116,27                                                                              |
| 5200012856      | 30.04.2013   | -49.116,27                                                                             |
| 4300312991      | 27.12.2017   | 49.028,00                                                                              |
| 4600001032      | 03.11.2015   | 49.017,88                                                                              |
| 4300310082      | 16.12.2017   | 49.000,00                                                                              |
| 5200027588      | 31.08.2017   | -48.935,37                                                                             |
| 5200000471      | 01.01.2012   | 48.902,13                                                                              |
| 5200020000      | 31.12.2011   | -48.902,13                                                                             |
| 4300286730      | 28.11.2017   | 48.645,19                                                                              |
| 5200014778      | 01.07.2012   | 48.503,78                                                                              |
| 5200014488      | 30.06.2012   | -48.503,78                                                                             |
| 4300307410      | 16.12.2017   | 48.497,39                                                                              |
| 4300312133      | 21.12.2017   | 48.407,47                                                                              |
| 5200017995      | 01.06.2017   | 48.406,22                                                                              |
| 5200017441      | 31.05.2017   | -48.406,22                                                                             |
| 5200002905      | 28.02.2002   | 48.358,10                                                                              |
| 5200003079      | 01.03.2002   | -48.358,10                                                                             |
| 5200000860      | 31.01.2010   | -48.255,45                                                                             |
| 4300288104      | 24.11.2017   | 48.136,09                                                                              |
| 4300285874      | 24.11.2017   | 48.121,00                                                                              |
| 4300084930      | 25.04.2017   | 48.104,33                                                                              |
| 5200001462      | 28.02.2007   | -48.046,20                                                                             |
| 4300303897      | 16.12.2017   | 48.000,00                                                                              |
| 4300280861      | 21.11.2017   | 47.986,32                                                                              |
| 5200005388      | 01.09.2001   | 47.975,55                                                                              |
| 5200005234      | 31.08.2001   | -47.975,55                                                                             |
| 5200005497      | 31.08.2007   | -47.974,37                                                                             |
| 4300312297      | 23.12.2017   | 47.955,88                                                                              |
| 4300288779      | 24.11.2017   | 47.955,72                                                                              |
| 5200014929      | 01.06.2015   | 47.911,29                                                                              |
| 5200014539      | 31.05.2015   | -47.911,29                                                                             |
| 6000049410      | 17.02.2015   | -47.889,77                                                                             |
| 4300047695      | 15.02.2016   | -47.795,00                                                                             |
| 4300079011      | 31.05.2017   | 47.739,16                                                                              |
| 4300303793      | 14.12.2017   | 47.685,63                                                                              |
| 4300308265      | 16.12.2017   | 47.290,60                                                                              |
| 4300287354      | 28.11.2017   | 47.124,25                                                                              |
| 4300298713      | 09.12.2017   | 47.124,00                                                                              |
| 4300287745      | 23.11.2017   | 47.000,00                                                                              |
| 4300311936      | 22.12.2017   | 47.000,00                                                                              |
| 4300299448      | 09.12.2017   | 46.987,15                                                                              |
| 4300294342      | 05.12.2017   | 46.938,67                                                                              |
| 4300300118      | 14.12.2017   | 46.905,38                                                                              |
| 4300309366      | 18.12.2017   | 46.826,98                                                                              |
| 5200015464      | 01.07.2014   | 46.759,11                                                                              |
| 5200018388      | 01.08.2014   | 46.759,11                                                                              |
| 5200021113      | 01.09.2014   | 46.759,11                                                                              |
| 5200015036      | 30.06.2014   | -46.759,11                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200017965      | 31.07.2014   | -46.759,11                                                                             |
| 5200020680      | 31.08.2014   | -46.759,11                                                                             |
| 5200013151      | 01.05.2013   | 46.738,80                                                                              |
| 5200012802      | 30.04.2013   | -46.738,80                                                                             |
| 5200005627      | 30.04.2002   | -46.728,27                                                                             |
| 4300312137      | 27.12.2017   | 46.709,98                                                                              |
| 5200016895      | 01.07.2016   | 46.656,29                                                                              |
| 5200016440      | 30.06.2016   | -46.656,29                                                                             |
| 4300297270      | 07.12.2017   | 46.625,97                                                                              |
| 4300279272      | 06.11.2017   | 46.614,20                                                                              |
| 4300306902      | 14.12.2017   | 46.592,55                                                                              |
| 5000002451      | 31.12.2017   | 46.560,60                                                                              |
| 5200003010      | 01.02.2017   | 46.543,77                                                                              |
| 5200002464      | 31.01.2017   | -46.543,77                                                                             |
| 4300158962      | 05.07.2017   | 46.518,16                                                                              |
| 4300313226      | 21.12.2017   | 46.500,00                                                                              |
| 5200023604      | 01.09.2016   | 46.436,40                                                                              |
| 5200023146      | 31.08.2016   | -46.436,40                                                                             |
| 5200005574      | 01.03.2016   | 46.435,74                                                                              |
| 5200005060      | 29.02.2016   | -46.435,74                                                                             |
| 4300304075      | 16.12.2017   | -46.410,00                                                                             |
| 4300254338      | 24.10.2017   | 46.383,24                                                                              |
| 4300271442      | 01.11.2017   | 46.182,75                                                                              |
| 4300294064      | 05.12.2017   | 46.182,75                                                                              |
| 4300272884      | 21.11.2017   | 46.180,03                                                                              |
| 4500002468      | 29.12.2017   | -46.165,45                                                                             |
| 5200013998      | 31.08.2011   | -46.088,49                                                                             |
| 4300292058      | 02.12.2017   | 46.080,00                                                                              |
| 4300288124      | 22.11.2017   | 46.051,62                                                                              |
| 4300307116      | 16.12.2017   | 45.812,62                                                                              |
| 4300276801      | 17.11.2017   | 45.782,82                                                                              |
| 4300309596      | 18.12.2017   | 45.722,05                                                                              |
| 5200014309      | 30.06.2012   | -45.532,68                                                                             |
| 5200002999      | 01.02.2017   | 45.457,48                                                                              |
| 5200002453      | 31.01.2017   | -45.457,48                                                                             |
| 4300313830      | 27.12.2017   | 45.447,00                                                                              |
| 4300281005      | 22.11.2017   | 45.405,00                                                                              |
| 4300301262      | 07.12.2017   | 45.346,87                                                                              |
| 4800068336      | 19.12.2017   | 45.299,88                                                                              |
| 5200012108      | 01.05.2015   | 45.297,42                                                                              |
| 5200011695      | 30.04.2015   | -45.297,42                                                                             |
| 5200001740      | 01.02.2016   | 45.070,46                                                                              |
| 5200001256      | 31.01.2016   | -45.070,46                                                                             |
| 4800061769      | 21.11.2017   | 45.038,31                                                                              |
| 4300310077      | 16.12.2017   | 45.000,00                                                                              |
| 4300310997      | 22.12.2017   | 44.944,11                                                                              |
| 5200026349      | 01.11.2014   | 44.909,26                                                                              |
| 5200025996      | 31.10.2014   | -44.909,26                                                                             |
| 6000268192      | 13.08.2010   | 44.896,03                                                                              |
| 5200007972      | 31.12.2010   | 44.793,40                                                                              |
| 5000002440      | 31.12.2010   | -44.793,40                                                                             |
| 4300300919      | 11.12.2017   | 44.751,14                                                                              |
| 4300308483      | 16.12.2017   | 44.700,00                                                                              |
| 5200031297      | 30.11.2013   | -44.659,56                                                                             |
| 4300244731      | 16.10.2017   | -44.610,00                                                                             |
| 4300301927      | 21.12.2017   | 44.518,00                                                                              |
| 4300301928      | 06.12.2017   | 44.518,00                                                                              |
| 4300301278      | 08.12.2017   | 44.500,00                                                                              |
| 5200004657      | 01.03.2015   | 44.463,83                                                                              |
| 5200004227      | 28.02.2015   | -44.463,83                                                                             |
| 5200020643      | 01.08.2016   | 44.397,50                                                                              |
| 5200020178      | 31.07.2016   | -44.397,50                                                                             |
| 4300117510      | 02.06.2017   | 44.349,82                                                                              |
| 5200015673      | 01.06.2013   | 44.336,77                                                                              |
| 5200015316      | 31.05.2013   | -44.336,77                                                                             |
| 4300288190      | 30.11.2017   | 44.311,51                                                                              |
| 4300254488      | 23.10.2017   | 44.231,16                                                                              |
| 6000275723      | 07.09.2015   | 44.217,22                                                                              |
| 4300239821      | 10.10.2017   | 44.208,65                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300312947      | 22.12.2017   | 44.202,97                                                                              |
| 4300299989      | 04.12.2017   | 44.116,30                                                                              |
| 5200029826      | 01.11.2016   | 44.075,20                                                                              |
| 5200029377      | 31.10.2016   | -44.075,20                                                                             |
| 5200005081      | 01.08.2010   | 44.036,64                                                                              |
| 5200005640      | 01.09.2010   | 44.036,64                                                                              |
| 5200005039      | 31.07.2010   | 44.036,64                                                                              |
| 5200005615      | 31.08.2010   | 44.036,64                                                                              |
| 5200005039      | 31.07.2010   | -44.036,64                                                                             |
| 5200005615      | 31.08.2010   | -44.036,64                                                                             |
| 5200005081      | 01.08.2010   | -44.036,64                                                                             |
| 5200005640      | 01.09.2010   | -44.036,64                                                                             |
| 4300301890      | 13.12.2017   | 44.021,86                                                                              |
| 4300302556      | 07.12.2017   | 43.960,56                                                                              |
| 4300307838      | 20.12.2017   | 43.913,04                                                                              |
| 5200035799      | 01.11.2017   | 43.894,82                                                                              |
| 5200035248      | 31.10.2017   | -43.894,82                                                                             |
| 4300077129      | 05.04.2017   | 43.891,20                                                                              |
| 4300234651      | 20.10.2017   | 43.878,00                                                                              |
| 4300308411      | 16.12.2017   | 43.855,25                                                                              |
| 4800063958      | 29.11.2017   | 43.851,18                                                                              |
| 4300310514      | 21.12.2017   | 43.796,84                                                                              |
| 4300308660      | 18.12.2017   | 43.618,27                                                                              |
| 5200007365      | 31.10.2009   | 43.608,72                                                                              |
| 4300278046      | 27.11.2017   | 43.547,65                                                                              |
| 4300278981      | 17.11.2017   | 43.539,16                                                                              |
| 4300314919      | 28.12.2017   | 43.413,89                                                                              |
| 5200003716      | 01.06.2010   | 43.409,18                                                                              |
| 5200003687      | 31.05.2010   | 43.409,18                                                                              |
| 5200003687      | 31.05.2010   | -43.409,18                                                                             |
| 5200003716      | 01.06.2010   | -43.409,18                                                                             |
| 4300305280      | 18.12.2017   | 43.387,16                                                                              |
| 5200000385      | 01.01.2017   | 43.371,55                                                                              |
| 5200034292      | 31.12.2016   | -43.371,55                                                                             |
| 4800069142      | 22.12.2017   | 43.357,75                                                                              |
| 4300266427      | 06.11.2017   | 43.343,29                                                                              |
| 4300299274      | 08.12.2017   | 43.343,29                                                                              |
| 4500002065      | 22.11.2017   | -43.316,00                                                                             |
| 5200033644      | 31.12.2015   | -43.225,00                                                                             |
| 4300293138      | 04.12.2017   | 43.163,68                                                                              |
| 4300306818      | 16.12.2017   | 43.124,27                                                                              |
| 4300278568      | 20.11.2017   | 43.089,00                                                                              |
| 4300309127      | 16.12.2017   | 43.068,60                                                                              |
| 4300287349      | 28.11.2017   | 43.038,75                                                                              |
| 2704993         | 31.03.2001   | 43.033,80                                                                              |
| 2704994         | 01.04.2001   | -43.033,80                                                                             |
| 5200001596      | 28.02.2009   | 42.936,30                                                                              |
| 5200000377      | 01.01.2017   | 42.846,58                                                                              |
| 5200034284      | 31.12.2016   | -42.846,58                                                                             |
| 2786881         | 30.06.1993   | 42.799,38                                                                              |
| 2786882         | 01.07.1993   | -42.799,38                                                                             |
| 4300169225      | 18.07.2016   | 42.786,56                                                                              |
| 2775910         | 31.10.1999   | 42.761,42                                                                              |
| 2775911         | 01.11.1999   | -42.761,42                                                                             |
| 5200029126      | 01.12.2014   | 42.711,56                                                                              |
| 5200028763      | 30.11.2014   | -42.711,56                                                                             |
| 5200040557      | 01.12.2017   | 42.671,11                                                                              |
| 5200040012      | 30.11.2017   | -42.671,11                                                                             |
| 4300309433      | 08.12.2017   | 42.660,02                                                                              |
| 4300288142      | 28.11.2017   | 42.581,84                                                                              |
| 4300285917      | 23.11.2017   | 42.530,66                                                                              |
| 4300299995      | 07.12.2017   | 42.521,83                                                                              |
| 4300309728      | 08.12.2017   | 42.500,00                                                                              |
| 5200004704      | 01.03.2015   | 42.476,55                                                                              |
| 5200004274      | 28.02.2015   | -42.476,55                                                                             |
| 4300312764      | 27.12.2017   | 42.362,10                                                                              |
| 5200009226      | 31.05.2011   | 42.295,33                                                                              |
| 4300288741      | 22.11.2017   | 42.267,81                                                                              |
| 4300314336      | 28.12.2017   | 42.258,38                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300230804      | 27.09.2017   | 42.167,66                                                                              |
| 5200029171      | 01.11.2015   | 42.135,90                                                                              |
| 5200028763      | 31.10.2015   | -42.135,90                                                                             |
| 4300277243      | 07.12.2017   | 41.936,00                                                                              |
| 6000362126      | 24.11.2016   | -41.933,51                                                                             |
| 4300315352      | 14.12.2017   | 41.849,68                                                                              |
| 4300314322      | 20.12.2017   | 41.819,24                                                                              |
| 4300287411      | 27.11.2017   | 41.784,56                                                                              |
| 4300285535      | 27.11.2017   | 41.704,92                                                                              |
| 4300272262      | 04.12.2017   | 41.663,09                                                                              |
| 4300309003      | 21.12.2017   | 41.650,00                                                                              |
| 4300309139      | 14.12.2017   | 41.650,00                                                                              |
| 5200026369      | 01.10.2015   | 41.593,31                                                                              |
| 5200025955      | 30.09.2015   | -41.593,31                                                                             |
| 5200004401      | 01.07.2010   | 41.560,04                                                                              |
| 5200004373      | 30.06.2010   | 41.560,04                                                                              |
| 5200004373      | 30.06.2010   | -41.560,04                                                                             |
| 5200004401      | 01.07.2010   | -41.560,04                                                                             |
| 4300296093      | 05.12.2017   | 41.552,42                                                                              |
| 5200032197      | 01.12.2015   | 41.537,50                                                                              |
| 5200031794      | 30.11.2015   | -41.537,50                                                                             |
| 6000334514      | 16.10.2012   | 41.477,63                                                                              |
| 4300299539      | 09.12.2017   | 41.404,09                                                                              |
| 5200029032      | 31.10.2016   | -41.342,31                                                                             |
| 5200025828      | 30.09.2016   | -41.323,89                                                                             |
| 4800063275      | 27.11.2017   | 41.256,99                                                                              |
| 4300280987      | 22.11.2017   | 41.025,89                                                                              |
| 5200003996      | 29.02.2016   | -41.013,70                                                                             |
| 5200008579      | 31.12.2008   | -40.985,34                                                                             |
| 5200004079      | 01.04.2011   | 40.792,26                                                                              |
| 5200004038      | 31.03.2011   | 40.792,26                                                                              |
| 5200004038      | 31.03.2011   | -40.792,26                                                                             |
| 5200004079      | 01.04.2011   | -40.792,26                                                                             |
| 4300304943      | 15.12.2017   | 40.745,60                                                                              |
| 5200010393      | 01.04.2013   | 40.732,77                                                                              |
| 5200010052      | 31.03.2013   | -40.732,77                                                                             |
| 5200026339      | 01.11.2014   | 40.676,03                                                                              |
| 5200025986      | 31.10.2014   | -40.676,03                                                                             |
| 4300299189      | 11.12.2017   | 40.567,10                                                                              |
| 4300306149      | 18.12.2017   | 40.548,50                                                                              |
| 5200004090      | 31.05.2005   | 40.447,68                                                                              |
| 5200029259      | 01.11.2015   | 40.443,75                                                                              |
| 5200028851      | 31.10.2015   | -40.443,75                                                                             |
| 4300284827      | 21.11.2017   | 40.413,01                                                                              |
| 4300284897      | 21.11.2017   | 40.413,01                                                                              |
| 4300058751      | 09.03.2016   | 40.328,11                                                                              |
| 5200000509      | 01.01.2013   | 40.268,08                                                                              |
| 5200030892      | 31.12.2012   | -40.268,08                                                                             |
| 4300313486      | 02.12.2017   | 40.268,04                                                                              |
| 4300280864      | 21.11.2017   | 40.240,76                                                                              |
| 6000065262      | 03.03.2015   | -40.234,45                                                                             |
| 5200023753      | 31.07.2017   | -40.230,74                                                                             |
| 4300307382      | 18.12.2017   | 40.175,34                                                                              |
| 2787136         | 31.07.1993   | 40.046,95                                                                              |
| 2787137         | 02.08.1993   | -40.046,95                                                                             |
| 4300285674      | 20.11.2017   | 40.000,00                                                                              |
| 4300312226      | 19.12.2017   | 40.000,00                                                                              |
| 4300192407      | 11.08.2017   | 40.000,00                                                                              |
| 4300259250      | 30.10.2017   | 40.000,00                                                                              |
| 4300287538      | 28.11.2017   | 40.000,00                                                                              |
| 4300277604      | 21.11.2017   | 40.000,00                                                                              |
| 4300298512      | 08.12.2017   | 40.000,00                                                                              |
| 4300314781      | 25.12.2017   | 39.943,89                                                                              |
| 4300314421      | 22.12.2017   | 39.925,00                                                                              |
| 5200007053      | 01.04.2014   | 39.900,24                                                                              |
| 5200006649      | 31.03.2014   | -39.900,24                                                                             |
| 4300310185      | 16.12.2017   | 39.895,85                                                                              |
| 5200018381      | 01.08.2014   | 39.865,70                                                                              |
| 5200017958      | 31.07.2014   | -39.865,70                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300259495      | 30.10.2017   | 39.813,52                                                                              |
| 4300306564      | 14.12.2017   | 39.783,89                                                                              |
| 4300284591      | 20.11.2017   | 39.781,25                                                                              |
| 4300278790      | 17.11.2017   | 39.711,26                                                                              |
| 5200026449      | 01.10.2015   | 39.693,75                                                                              |
| 5200026035      | 30.09.2015   | -39.693,75                                                                             |
| 4300286139      | 21.11.2007   | 39.668,65                                                                              |
| 4300293244      | 06.12.2017   | -39.659,87                                                                             |
| 4300297393      | 01.12.2017   | -39.659,87                                                                             |
| 4300314064      | 21.12.2017   | 39.656,14                                                                              |
| 4300309239      | 16.12.2017   | 39.600,00                                                                              |
| 4300302911      | 15.12.2017   | 39.540,86                                                                              |
| 4300047719      | 26.02.2016   | 39.500,00                                                                              |
| 4300204701      | 26.08.2017   | 39.328,88                                                                              |
| 4300310933      | 20.12.2017   | 39.301,00                                                                              |
| 4300303007      | 08.12.2017   | 39.286,00                                                                              |
| 5200006949      | 01.11.2010   | 39.222,54                                                                              |
| 5200006919      | 31.10.2010   | 39.222,54                                                                              |
| 5200006919      | 31.10.2010   | -39.222,54                                                                             |
| 5200006949      | 01.11.2010   | -39.222,54                                                                             |
| 4300295174      | 05.12.2017   | 39.218,47                                                                              |
| 4300314669      | 28.12.2017   | -39.218,47                                                                             |
| 5200014826      | 30.06.2014   | -39.182,87                                                                             |
| 4300299597      | 08.12.2017   | 39.132,91                                                                              |
| 4300305456      | 14.12.2017   | 39.093,76                                                                              |
| 4300303895      | 16.12.2017   | 39.000,00                                                                              |
| 5200003286      | 01.02.2013   | 38.999,91                                                                              |
| 5200002946      | 31.01.2013   | -38.999,91                                                                             |
| 5200020402      | 01.08.2015   | 38.975,00                                                                              |
| 5200023170      | 01.09.2015   | 38.975,00                                                                              |
| 5200020035      | 31.07.2015   | -38.975,00                                                                             |
| 5200022791      | 31.08.2015   | -38.975,00                                                                             |
| 4300279020      | 14.11.2017   | 38.953,73                                                                              |
| 4300307056      | 16.12.2017   | 38.895,29                                                                              |
| 4300302722      | 13.12.2017   | 38.853,74                                                                              |
| 4300288668      | 24.11.2017   | 38.821,47                                                                              |
| 5200009803      | 31.10.2001   | 38.782,04                                                                              |
| 5200010151      | 01.11.2001   | -38.782,04                                                                             |
| 5200013959      | 01.05.2017   | 38.775,43                                                                              |
| 5200013409      | 30.04.2017   | -38.775,43                                                                             |
| 5200032127      | 01.12.2015   | 38.735,03                                                                              |
| 5200031724      | 30.11.2015   | -38.735,03                                                                             |
| 4300314758      | 28.12.2017   | 38.707,04                                                                              |
| 5200001649      | 01.02.2014   | 38.693,67                                                                              |
| 5200001280      | 31.01.2014   | -38.693,67                                                                             |
| 5200003928      | 31.03.2011   | -38.656,25                                                                             |
| 5200007051      | 01.04.2014   | 38.589,40                                                                              |
| 5200006647      | 31.03.2014   | -38.589,40                                                                             |
| 5200004128      | 01.08.2001   | 38.563,93                                                                              |
| 5200003974      | 31.07.2001   | -38.563,93                                                                             |
| 4300309333      | 18.12.2017   | 38.522,21                                                                              |
| 4300297473      | 05.12.2017   | 38.427,11                                                                              |
| 4300302716      | 14.12.2017   | 38.410,82                                                                              |
| 5200042323      | 31.12.2017   | -38.318,37                                                                             |
| 5200032801      | 01.12.2016   | 38.291,17                                                                              |
| 5200032337      | 30.11.2016   | -38.291,17                                                                             |
| 4800064167      | 30.11.2017   | 38.238,63                                                                              |
| 4300307090      | 16.12.2017   | 38.228,54                                                                              |
| 4300278607      | 20.11.2017   | 38.172,22                                                                              |
| 4300306363      | 18.12.2017   | 38.160,00                                                                              |
| 5200001035      | 31.01.2016   | 38.158,09                                                                              |
| 5200018393      | 01.08.2014   | 38.130,39                                                                              |
| 5200017970      | 31.07.2014   | -38.130,39                                                                             |
| 5200042159      | 31.12.2017   | -38.123,26                                                                             |
| 4300311144      | 16.12.2017   | 38.119,27                                                                              |
| 4300285913      | 24.11.2017   | 38.112,58                                                                              |
| 4300278794      | 22.11.2017   | 38.105,34                                                                              |
| 4300309149      | 21.12.2017   | 38.081,74                                                                              |
| 5200004196      | 01.03.2012   | 38.043,51                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003924      | 29.02.2012   | -38.043,51                                                                             |
| 4300216546      | 29.12.2017   | 38.037,31                                                                              |
| 2740997         | 01.07.1997   | 38.007,07                                                                              |
| 2740996         | 30.06.1997   | -38.007,07                                                                             |
| 5200009416      | 01.04.2017   | 37.999,03                                                                              |
| 5200008884      | 31.03.2017   | -37.999,03                                                                             |
| 4300303435      | 14.12.2017   | 37.997,15                                                                              |
| 4300315427      | 29.12.2017   | 37.990,01                                                                              |
| 4300295820      | 07.12.2017   | 37.954,18                                                                              |
| 4300279100      | 14.11.2017   | 37.947,00                                                                              |
| 4300314178      | 28.12.2017   | 37.926,68                                                                              |
| 4300309883      | 14.12.2017   | 37.900,00                                                                              |
| 4300297494      | 07.12.2017   | 37.890,86                                                                              |
| 4300298338      | 07.12.2017   | 37.885,65                                                                              |
| 4300196785      | 08.09.2017   | 37.733,02                                                                              |
| 5200029939      | 01.11.2016   | 37.729,32                                                                              |
| 5200029490      | 31.10.2016   | -37.729,32                                                                             |
| 4300281123      | 22.11.2017   | 37.716,64                                                                              |
| 4800067442      | 15.12.2017   | 37.710,92                                                                              |
| 4300306502      | 13.12.2017   | 37.691,78                                                                              |
| 5200021289      | 01.08.2013   | 37.681,65                                                                              |
| 5200020934      | 31.07.2013   | -37.681,65                                                                             |
| 4300315464      | 04.12.2017   | 37.679,02                                                                              |
| 6000054195      | 19.02.2015   | -37.627,51                                                                             |
| 5200012097      | 01.05.2015   | 37.568,99                                                                              |
| 5200011684      | 30.04.2015   | -37.568,99                                                                             |
| 6000073124      | 10.03.2015   | -37.564,04                                                                             |
| 4300302225      | 06.12.2017   | 37.560,26                                                                              |
| 4300288550      | 10.11.2017   | 37.554,38                                                                              |
| 4300312216      | 21.12.2017   | 37.534,50                                                                              |
| 4300314727      | 28.12.2017   | 37.518,31                                                                              |
| 4300136116      | 21.06.2017   | 37.438,80                                                                              |
| 4300289279      | 01.12.2017   | 37.383,85                                                                              |
| 5200000458      | 01.01.2012   | 37.334,89                                                                              |
| 5200019986      | 31.12.2011   | -37.334,89                                                                             |
| 4300296242      | 07.12.2017   | 37.280,32                                                                              |
| 5200012113      | 01.06.2012   | 37.226,76                                                                              |
| 5200011839      | 31.05.2012   | -37.226,76                                                                             |
| 5200004286      | 01.03.2014   | 37.212,70                                                                              |
| 5200003887      | 28.02.2014   | -37.212,70                                                                             |
| 5200022532      | 01.09.2015   | 37.189,37                                                                              |
| 5200006621      | 30.09.2009   | 37.167,63                                                                              |
| 4300299506      | 09.12.2017   | 37.086,52                                                                              |
| 5200000439      | 01.01.2014   | 37.038,18                                                                              |
| 5200033746      | 31.12.2013   | -37.038,18                                                                             |
| 4300286729      | 28.11.2017   | 37.018,84                                                                              |
| 4300225790      | 05.09.2017   | 36.925,41                                                                              |
| 4300305529      | 16.12.2017   | 36.890,00                                                                              |
| 6000003599      | 08.01.2010   | -36.878,35                                                                             |
| 4300281809      | 21.11.2017   | 36.875,59                                                                              |
| 4300288923      | 24.11.2017   | 36.874,25                                                                              |
| 4300266723      | 07.11.2017   | 36.848,74                                                                              |
| 4300279096      | 14.11.2017   | 36.840,00                                                                              |
| 4300312959      | 27.12.2017   | 36.818,42                                                                              |
| 5200023449      | 31.08.2013   | 36.744,59                                                                              |
| 4300297478      | 07.12.2017   | 36.691,27                                                                              |
| 4300309948      | 18.12.2017   | 36.691,27                                                                              |
| 4300310312      | 27.12.2017   | 36.670,00                                                                              |
| 4300114157      | 14.06.2017   | 36.655,70                                                                              |
| 5200006282      | 01.10.2010   | 36.635,22                                                                              |
| 5200006252      | 30.09.2010   | 36.635,22                                                                              |
| 5200006252      | 30.09.2010   | -36.635,22                                                                             |
| 5200006282      | 01.10.2010   | -36.635,22                                                                             |
| 5200026606      | 01.10.2013   | 36.624,22                                                                              |
| 5200026239      | 30.09.2013   | -36.624,22                                                                             |
| 5200012280      | 30.11.2004   | -36.490,31                                                                             |
| 5200021762      | 01.07.2017   | 36.466,19                                                                              |
| 5200021211      | 30.06.2017   | -36.466,19                                                                             |
| 4300302572      | 11.12.2017   | 36.442,53                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300307232      | 19.12.2017   | 36.380,00                                                                              |
| 4500002479      | 29.12.2017   | -36.348,18                                                                             |
| 6000058972      | 28.02.2017   | 36.327,59                                                                              |
| 4300285686      | 20.11.2017   | 36.200,44                                                                              |
| 4300315494      | 05.12.2017   | 36.181,89                                                                              |
| 5200012767      | 31.12.2004   | 36.167,87                                                                              |
| 5200013972      | 01.05.2017   | 36.113,69                                                                              |
| 5200013422      | 30.04.2017   | -36.113,69                                                                             |
| 5200005998      | 01.10.2001   | 36.032,17                                                                              |
| 5200005839      | 30.09.2001   | -36.032,17                                                                             |
| 4300299482      | 09.12.2017   | 36.027,25                                                                              |
| 6000296765      | 24.09.2015   | 35.992,09                                                                              |
| 4300296592      | 06.12.2017   | 35.873,02                                                                              |
| 4300309656      | 16.12.2017   | 35.810,60                                                                              |
| 5200015224      | 31.05.2013   | -35.809,13                                                                             |
| 4300309702      | 12.12.2017   | 35.768,22                                                                              |
| 4300302613      | 13.12.2017   | 35.700,00                                                                              |
| 4300308320      | 14.12.2017   | 35.700,00                                                                              |
| 4300311826      | 22.12.2017   | 35.636,53                                                                              |
| 5200000349      | 01.01.2015   | 35.616,58                                                                              |
| 5200031024      | 31.12.2014   | -35.616,58                                                                             |
| 5200004474      | 30.06.2008   | -35.561,07                                                                             |
| 5200010151      | 01.11.2001   | 35.519,23                                                                              |
| 5200009803      | 31.10.2001   | -35.519,23                                                                             |
| 4300310627      | 21.12.2017   | 35.496,27                                                                              |
| 4300310630      | 21.12.2017   | 35.496,27                                                                              |
| 4300313876      | 21.12.2017   | 35.496,27                                                                              |
| 4300315231      | 21.12.2017   | 35.496,27                                                                              |
| 4300299404      | 09.12.2017   | 35.493,21                                                                              |
| 4300288872      | 29.11.2017   | 35.460,70                                                                              |
| 5200014885      | 01.07.2012   | 35.429,46                                                                              |
| 5200014595      | 30.06.2012   | -35.429,46                                                                             |
| 5200031386      | 30.11.2015   | 35.411,54                                                                              |
| 5200007940      | 31.12.2007   | -35.408,40                                                                             |
| 4300299733      | 11.12.2017   | 35.343,00                                                                              |
| 4300235600      | 02.10.2017   | -35.336,25                                                                             |
| 4300254439      | 01.11.2017   | 35.335,00                                                                              |
| 4300314390      | 27.12.2017   | 35.333,36                                                                              |
| 4300315460      | 04.12.2017   | 35.333,36                                                                              |
| 4300290855      | 04.12.2017   | 35.320,44                                                                              |
| 4300312446      | 22.12.2017   | -35.320,44                                                                             |
| 4300301257      | 09.12.2017   | 35.304,04                                                                              |
| 4000400975      | 19.12.2011   | -35.265,42                                                                             |
| 4300050572      | 28.02.2017   | 35.222,00                                                                              |
| 4300289348      | 11.12.2017   | 35.171,32                                                                              |
| 4300275317      | 09.11.2017   | 35.083,80                                                                              |
| 4300306196      | 14.12.2017   | 35.073,69                                                                              |
| 4300281793      | 18.11.2017   | 35.059,85                                                                              |
| 5200009106      | 01.05.2012   | 35.043,99                                                                              |
| 5200008828      | 30.04.2012   | -35.043,99                                                                             |
| 5200018555      | 01.07.2013   | 35.041,42                                                                              |
| 5200018157      | 30.06.2013   | -35.041,42                                                                             |
| 4300298645      | 08.12.2017   | 35.000,00                                                                              |
| 5200004163      | 30.06.2009   | -34.914,53                                                                             |
| 5200008148      | 30.11.2008   | 34.874,92                                                                              |
| 4300311719      | 22.12.2017   | 34.868,71                                                                              |
| 4300312244      | 22.12.2017   | 34.867,00                                                                              |
| 5200028750      | 01.12.2012   | 34.827,29                                                                              |
| 5200028441      | 30.11.2012   | -34.827,29                                                                             |
| 4300287391      | 13.11.2017   | 34.806,64                                                                              |
| 4300244992      | 11.10.2017   | 34.781,32                                                                              |
| 4300308612      | 14.12.2017   | 34.737,87                                                                              |
| 4300299229      | 07.12.2017   | 34.604,60                                                                              |
| 4300268414      | 09.11.2017   | 34.598,71                                                                              |
| 6000192541      | 16.06.2010   | -34.557,26                                                                             |
| 4300301256      | 09.12.2017   | 34.552,29                                                                              |
| 4300315873      | 07.12.2017   | 34.542,43                                                                              |
| 5200006709      | 30.09.2008   | -34.475,76                                                                             |
| 4300313400      | 14.12.2017   | 34.472,87                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4500002462      | 28.12.2017   | -34.471,49                                                                             |
| 5200006225      | 31.03.2012   | -34.402,78                                                                             |
| 4300271078      | 08.11.2017   | 34.335,47                                                                              |
| 4300313326      | 27.12.2017   | 34.333,88                                                                              |
| 4300304281      | 04.12.2017   | 34.330,14                                                                              |
| 6000315015      | 14.10.2014   | -34.319,75                                                                             |
| 5200012122      | 01.05.2015   | 34.318,75                                                                              |
| 5200014999      | 01.06.2015   | 34.318,75                                                                              |
| 5200017695      | 01.07.2015   | 34.318,75                                                                              |
| 5200011709      | 30.04.2015   | -34.318,75                                                                             |
| 5200014609      | 31.05.2015   | -34.318,75                                                                             |
| 5200017343      | 30.06.2015   | -34.318,75                                                                             |
| 5200025763      | 30.09.2015   | 34.295,60                                                                              |
| 5200009404      | 01.04.2017   | 34.280,52                                                                              |
| 5200008872      | 31.03.2017   | -34.280,52                                                                             |
| 4300292889      | 04.12.2017   | 34.272,36                                                                              |
| 5200018470      | 01.08.2014   | 34.250,00                                                                              |
| 5200021201      | 01.09.2014   | 34.250,00                                                                              |
| 5200018047      | 31.07.2014   | -34.250,00                                                                             |
| 5200020768      | 31.08.2014   | -34.250,00                                                                             |
| 4300280070      | 23.11.2017   | 34.201,93                                                                              |
| 4300301264      | 06.12.2017   | 34.141,63                                                                              |
| 5200004331      | 01.03.2014   | 34.135,08                                                                              |
| 5200003932      | 28.02.2014   | -34.135,08                                                                             |
| 5200015522      | 01.07.2014   | 34.033,18                                                                              |
| 5200015094      | 30.06.2014   | -34.033,18                                                                             |
| 4300219019      | 22.09.2017   | 34.025,90                                                                              |
| 4300279981      | 21.11.2017   | 34.007,87                                                                              |
| 4300283627      | 24.11.2017   | 34.000,00                                                                              |
| 5200023759      | 01.10.2014   | 33.992,99                                                                              |
| 5200023434      | 30.09.2014   | -33.992,99                                                                             |
| 4300293258      | 02.12.2017   | 33.960,22                                                                              |
| 4300314188      | 28.12.2017   | 33.912,77                                                                              |
| 4300301542      | 09.12.2017   | 33.870,75                                                                              |
| 5200004090      | 31.05.2005   | -33.809,72                                                                             |
| 5200004658      | 01.03.2015   | 33.793,70                                                                              |
| 5200004228      | 28.02.2015   | -33.793,70                                                                             |
| 4300273963      | 16.11.2017   | 33.713,59                                                                              |
| 5200012396      | 31.07.2011   | 33.627,14                                                                              |
| 4300300035      | 08.12.2017   | 33.612,68                                                                              |
| 5200029185      | 01.11.2015   | 33.598,77                                                                              |
| 5200028777      | 31.10.2015   | -33.598,77                                                                             |
| 4300295778      | 05.12.2017   | 33.586,00                                                                              |
| 4300278918      | 21.11.2017   | 33.573,88                                                                              |
| 5200035800      | 01.11.2017   | 33.557,51                                                                              |
| 5200035249      | 31.10.2017   | -33.557,51                                                                             |
| 4300258176      | 26.10.2017   | 33.549,20                                                                              |
| 6000387831      | 20.12.2016   | -33.520,95                                                                             |
| 4300310381      | 18.12.2017   | -33.448,47                                                                             |
| 5200032129      | 01.12.2015   | 33.448,41                                                                              |
| 5200031726      | 30.11.2015   | -33.448,41                                                                             |
| 4300055933      | 03.03.2017   | 33.408,10                                                                              |
| 4300267323      | 07.11.2017   | 33.408,00                                                                              |
| 4800065685      | 08.12.2017   | 33.361,64                                                                              |
| 5200040408      | 01.12.2017   | 33.344,55                                                                              |
| 5200039863      | 30.11.2017   | -33.344,55                                                                             |
| 4300310138      | 16.12.2017   | 33.320,00                                                                              |
| 4300294076      | 04.12.2017   | 33.320,00                                                                              |
| 4300315427      | 29.12.2017   | 33.295,23                                                                              |
| 5200029002      | 01.12.2014   | 33.247,53                                                                              |
| 5200028639      | 30.11.2014   | -33.247,53                                                                             |
| 4300295994      | 04.12.2017   | 33.236,70                                                                              |
| 5200007323      | 30.11.2006   | -33.201,20                                                                             |
| 5200028554      | 31.10.2015   | 33.200,89                                                                              |
| 4300297604      | 06.12.2017   | 33.157,96                                                                              |
| 4300304959      | 14.12.2017   | 33.148,40                                                                              |
| 5200001748      | 01.02.2016   | 33.128,74                                                                              |
| 5200001264      | 31.01.2016   | -33.128,74                                                                             |
| 4300273295      | 10.11.2017   | 33.115,32                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2789067         | 28.02.1994   | 33.090,55                                                                              |
| 2789068         | 01.03.1994   | -33.090,55                                                                             |
| 6000158795      | 26.05.2015   | 33.070,67                                                                              |
| 5200007915      | 31.03.2016   | 33.063,31                                                                              |
| 4500002220      | 03.04.2003   | 32.985,79                                                                              |
| 5200012497      | 01.06.2014   | 32.976,43                                                                              |
| 5200012052      | 31.05.2014   | -32.976,43                                                                             |
| 4300108729      | 01.06.2017   | 32.932,10                                                                              |
| 2743328         | 01.09.1997   | 32.931,31                                                                              |
| 2743327         | 31.08.1997   | -32.931,31                                                                             |
| 4300268388      | 10.11.2017   | 32.707,15                                                                              |
| 4300310089      | 16.12.2017   | 32.680,00                                                                              |
| 5200002378      | 01.02.2012   | 32.661,16                                                                              |
| 5200002136      | 31.01.2012   | -32.661,16                                                                             |
| 4300309247      | 21.12.2017   | 32.633,89                                                                              |
| 4300288750      | 21.11.2017   | 32.500,00                                                                              |
| 5200014790      | 01.07.2012   | 32.469,27                                                                              |
| 5200014500      | 30.06.2012   | -32.469,27                                                                             |
| 4300290574      | 04.12.2017   | 32.429,86                                                                              |
| 4800061769      | 21.11.2017   | 32.402,75                                                                              |
| 4300310874      | 20.12.2017   | 32.341,50                                                                              |
| 2700449         | 01.12.2000   | 32.304,27                                                                              |
| 2700448         | 30.11.2000   | -32.304,27                                                                             |
| 4300308781      | 18.12.2017   | 32.296,60                                                                              |
| 6000285298      | 15.09.2015   | 32.243,21                                                                              |
| 5200034081      | 31.12.2016   | -32.238,73                                                                             |
| 2755673         | 01.05.1991   | -32.226,23                                                                             |
| 5200025763      | 30.09.2015   | -32.221,83                                                                             |
| 4300293257      | 02.12.2017   | 32.202,57                                                                              |
| 5200012396      | 31.07.2011   | -32.169,06                                                                             |
| 4300106509      | 03.05.2017   | 32.155,60                                                                              |
| 4300293325      | 06.12.2017   | 32.132,50                                                                              |
| 4300268339      | 07.11.2017   | 32.117,53                                                                              |
| 4300278833      | 07.11.2017   | 32.045,62                                                                              |
| 2767165         | 31.01.1992   | 32.031,00                                                                              |
| 2767189         | 03.02.1992   | -32.031,00                                                                             |
| 4300296099      | 07.12.2017   | 32.002,08                                                                              |
| 4300299417      | 08.12.2017   | 32.000,00                                                                              |
| 5200024777      | 01.08.2017   | 31.985,46                                                                              |
| 5200024233      | 31.07.2017   | -31.985,46                                                                             |
| 4300314921      | 29.12.2017   | 31.976,00                                                                              |
| 4300124803      | 22.05.2017   | 31.930,90                                                                              |
| 4300124811      | 22.05.2017   | 31.930,90                                                                              |
| 4300293080      | 04.12.2017   | 31.918,66                                                                              |
| 4300272305      | 13.11.2017   | 31.904,95                                                                              |
| 4300309704      | 19.12.2017   | 31.892,00                                                                              |
| 4000100010      | 30.09.2002   | 31.872,66                                                                              |
| 4300300596      | 13.12.2017   | 31.868,20                                                                              |
| 5200010783      | 30.06.2011   | -31.852,94                                                                             |
| 4500002423      | 22.12.2017   | -31.849,50                                                                             |
| 6000330378      | 23.09.2008   | -31.848,09                                                                             |
| 5200026608      | 01.10.2013   | 31.820,96                                                                              |
| 5200026241      | 30.09.2013   | -31.820,96                                                                             |
| 5200004387      | 01.03.2014   | 31.800,36                                                                              |
| 5200003988      | 28.02.2014   | -31.800,36                                                                             |
| 5200001834      | 28.02.2005   | -31.790,54                                                                             |
| 4300302233      | 08.12.2017   | 31.782,44                                                                              |
| 4300281609      | 23.11.2017   | 31.758,43                                                                              |
| 5200014927      | 01.06.2015   | 31.724,60                                                                              |
| 5200014537      | 31.05.2015   | -31.724,60                                                                             |
| 4300279684      | 21.11.2017   | 31.653,45                                                                              |
| 4300288704      | 24.11.2017   | 31.578,00                                                                              |
| 6000285128      | 16.09.2014   | -31.557,23                                                                             |
| 5200002631      | 31.03.2005   | 31.547,69                                                                              |
| 4300299388      | 09.12.2017   | 31.456,84                                                                              |
| 5200024707      | 01.08.2017   | 31.432,81                                                                              |
| 5200024163      | 31.07.2017   | -31.432,81                                                                             |
| 4300288084      | 22.11.2017   | 31.403,83                                                                              |
| 5200000845      | 31.01.2008   | -31.364,43                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4800068331      | 19.12.2017   | 31.339,25                                                                              |
| 5200005260      | 31.07.2008   | 31.335,83                                                                              |
| 4300294663      | 05.12.2017   | 31.335,00                                                                              |
| 5200004193      | 01.03.2012   | 31.289,52                                                                              |
| 5200003921      | 29.02.2012   | -31.289,52                                                                             |
| 4300311300      | 21.12.2017   | 31.250,00                                                                              |
| 4300314503      | 22.12.2017   | 31.201,25                                                                              |
| 4300310084      | 16.12.2017   | 31.200,00                                                                              |
| 4000288879      | 15.09.2017   | 31.164,99                                                                              |
| 4300285770      | 22.11.2017   | 31.153,36                                                                              |
| 5200004403      | 31.03.2002   | 31.147,25                                                                              |
| 4500002437      | 27.12.2017   | -31.129,25                                                                             |
| 4300252773      | 24.10.2017   | 31.120,14                                                                              |
| 4800061769      | 21.11.2017   | 31.097,86                                                                              |
| 4300309995      | 18.12.2017   | 31.067,00                                                                              |
| 4300293709      | 04.12.2017   | 31.006,00                                                                              |
| 6000427899      | 08.12.2008   | -30.922,69                                                                             |
| 5200026464      | 01.11.2014   | 30.902,55                                                                              |
| 5200026111      | 31.10.2014   | -30.902,55                                                                             |
| 4300304958      | 14.12.2017   | 30.871,64                                                                              |
| 5200023100      | 01.09.2015   | 30.870,95                                                                              |
| 5200022721      | 31.08.2015   | -30.870,95                                                                             |
| 5200013101      | 01.05.2013   | 30.870,24                                                                              |
| 5200012752      | 30.04.2013   | -30.870,24                                                                             |
| 4800063270      | 27.11.2017   | 30.849,74                                                                              |
| 4300314726      | 27.12.2017   | 30.813,98                                                                              |
| 6000103441      | 07.04.2015   | -30.783,11                                                                             |
| 4300313401      | 21.12.2017   | 30.782,04                                                                              |
| 4300265463      | 06.11.2017   | 30.763,89                                                                              |
| 4300299307      | 12.12.2017   | 30.763,89                                                                              |
| 4300279995      | 23.11.2017   | 30.756,18                                                                              |
| 6000388390      | 07.11.2008   | -30.711,46                                                                             |
| 5200003049      | 30.04.2009   | -30.696,21                                                                             |
| 5200029823      | 01.11.2016   | 30.650,00                                                                              |
| 5200029374      | 31.10.2016   | -30.650,00                                                                             |
| 4300306162      | 14.12.2017   | 30.598,02                                                                              |
| 4300306141      | 18.12.2017   | 30.583,00                                                                              |
| 5200004183      | 01.03.2012   | 30.566,39                                                                              |
| 5200003911      | 29.02.2012   | -30.566,39                                                                             |
| 4300266993      | 07.11.2017   | 30.502,08                                                                              |
| 5200023145      | 01.09.2015   | 30.483,43                                                                              |
| 5200022766      | 31.08.2015   | -30.483,43                                                                             |
| 5200004288      | 01.03.2014   | 30.444,67                                                                              |
| 5200003889      | 28.02.2014   | -30.444,67                                                                             |
| 4300315942      | 29.12.2017   | 30.436,20                                                                              |
| 4300312921      | 27.12.2017   | 30.434,25                                                                              |
| 4300308694      | 18.12.2017   | 30.415,11                                                                              |
| 5200028563      | 02.11.2015   | -30.396,50                                                                             |
| 4300311121      | 20.12.2017   | 30.385,45                                                                              |
| 4300315697      | 20.12.2017   | 30.368,53                                                                              |
| 6000380839      | 08.12.2015   | -30.336,36                                                                             |
| 4300310483      | 21.12.2017   | 30.292,80                                                                              |
| 5200015672      | 01.06.2013   | 30.275,50                                                                              |
| 5200015315      | 31.05.2013   | -30.275,50                                                                             |
| 6000012562      | 15.01.2010   | -30.264,59                                                                             |
| 5200002304      | 31.03.2008   | 30.246,88                                                                              |
| 6000244286      | 08.08.2017   | 30.232,83                                                                              |
| 4300280940      | 21.11.2017   | 30.207,98                                                                              |
| 6000189054      | 22.06.2015   | -30.118,10                                                                             |
| 5200010958      | 01.05.2016   | 30.112,37                                                                              |
| 5200010481      | 30.04.2016   | -30.112,37                                                                             |
| 5200026896      | 01.10.2016   | 30.055,73                                                                              |
| 5200026443      | 30.09.2016   | -30.055,73                                                                             |
| 4300307626      | 16.12.2017   | 30.050,00                                                                              |
| 4300310068      | 07.12.2017   | 30.048,76                                                                              |
| 4300271283      | 13.11.2017   | 30.000,00                                                                              |
| 4300285842      | 28.11.2017   | 30.000,00                                                                              |
| 4300288111      | 30.11.2017   | 30.000,00                                                                              |
| 4300288112      | 30.11.2017   | 30.000,00                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300297282      | 08.12.2017   | 30.000,00                                                                              |
| 4300300043      | 12.12.2017   | 30.000,00                                                                              |
| 4300288290      | 30.11.2017   | -30.000,00                                                                             |
| 4300300355      | 11.12.2017   | 29.993,95                                                                              |
| 4300277891      | 20.11.2017   | 29.940,00                                                                              |
| 4300295018      | 04.12.2017   | 29.918,67                                                                              |
| 4300164818      | 06.07.2017   | 29.900,74                                                                              |
| 4300315395      | 29.12.2017   | 29.900,74                                                                              |
| 4300315360      | 29.12.2017   | -29.900,74                                                                             |
| 4300294122      | 01.12.2017   | 29.889,12                                                                              |
| 5200029183      | 01.11.2015   | 29.859,15                                                                              |
| 5200028775      | 31.10.2015   | -29.859,15                                                                             |
| 4300106385      | 03.05.2017   | 29.858,57                                                                              |
| 5200000916      | 31.01.2005   | 29.853,28                                                                              |
| 4300297558      | 06.12.2017   | 29.851,98                                                                              |
| 4300310271      | 18.12.2017   | 29.848,12                                                                              |
| 4300280907      | 21.11.2017   | 29.781,85                                                                              |
| 4300310617      | 20.12.2017   | 29.769,74                                                                              |
| 4300309730      | 13.12.2017   | 29.750,00                                                                              |
| 4300285692      | 20.11.2017   | 29.750,00                                                                              |
| 4300280871      | 29.12.2017   | 29.725,33                                                                              |
| 4300263486      | 01.11.2017   | 29.717,43                                                                              |
| 4300290794      | 01.12.2017   | 29.717,43                                                                              |
| 4300292340      | 05.12.2017   | 29.717,43                                                                              |
| 4300308316      | 14.12.2017   | 29.711,68                                                                              |
| 4300098661      | 22.04.2017   | 29.692,87                                                                              |
| 4300297625      | 06.12.2017   | 29.692,87                                                                              |
| 5200000440      | 01.01.2014   | 29.644,66                                                                              |
| 5200033747      | 31.12.2013   | -29.644,66                                                                             |
| 4300268020      | 13.11.2017   | 29.582,40                                                                              |
| 4300272437      | 13.11.2017   | 29.565,48                                                                              |
| 6000001082      | 06.01.2015   | -29.559,54                                                                             |
| 5200007045      | 01.04.2014   | 29.504,84                                                                              |
| 5200006641      | 31.03.2014   | -29.504,84                                                                             |
| 5200031785      | 01.12.2013   | 29.475,31                                                                              |
| 5200031430      | 30.11.2013   | -29.475,31                                                                             |
| 4300313078      | 27.12.2017   | 29.464,00                                                                              |
| 4300303577      | 15.12.2017   | 29.446,69                                                                              |
| 5200005583      | 01.03.2016   | 29.433,35                                                                              |
| 5200005069      | 29.02.2016   | -29.433,35                                                                             |
| 4600001068      | 18.11.2014   | -29.430,09                                                                             |
| 4300297626      | 06.12.2017   | 29.415,82                                                                              |
| 4300285016      | 21.11.2017   | 29.400,00                                                                              |
| 5200005543      | 31.08.2010   | 29.393,61                                                                              |
| 4300293447      | 06.12.2017   | 29.304,01                                                                              |
| 5200019769      | 31.07.2015   | -29.275,94                                                                             |
| 6000157355      | 29.05.2017   | 29.267,48                                                                              |
| 4300306549      | 14.12.2017   | 29.257,34                                                                              |
| 4300294909      | 07.12.2017   | 29.226,40                                                                              |
| 4300312090      | 21.12.2017   | 29.194,05                                                                              |
| 4300110301      | 09.05.2017   | 29.170,55                                                                              |
| 4300310501      | 16.12.2017   | 29.145,90                                                                              |
| 5200042169      | 31.12.2017   | -29.145,67                                                                             |
| 6000009713      | 13.01.2015   | -29.122,06                                                                             |
| 5200014121      | 31.12.2003   | -29.100,66                                                                             |
| 4300306069      | 16.12.2017   | 29.082,50                                                                              |
| 5200002336      | 01.02.2012   | 29.073,89                                                                              |
| 5200002094      | 31.01.2012   | -29.073,89                                                                             |
| 4300293201      | 02.12.2017   | 29.051,23                                                                              |
| 4300315181      | 15.12.2017   | 29.050,07                                                                              |
| 4300265066      | 07.11.2017   | 29.040,72                                                                              |
| 6000315239      | 14.10.2014   | -29.006,74                                                                             |
| 4300314161      | 15.12.2017   | 28.989,28                                                                              |
| 4300252984      | 05.11.2017   | 28.984,90                                                                              |
| 6000097229      | 31.03.2015   | -28.945,56                                                                             |
| 6000399109      | 22.12.2015   | -28.945,44                                                                             |
| 4300307086      | 16.12.2017   | 28.904,36                                                                              |
| 5200005839      | 30.09.2001   | 28.898,36                                                                              |
| 5200005998      | 01.10.2001   | -28.898,36                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300290603      | 04.12.2017   | 28.850,36                                                                              |
| 6000076656      | 05.03.2012   | 28.843,29                                                                              |
| 5200002323      | 31.03.2009   | 28.826,73                                                                              |
| 4300313528      | 27.12.2017   | 28.801,59                                                                              |
| 4300299602      | 08.12.2017   | 28.798,00                                                                              |
| 4300299251      | 07.12.2017   | 28.798,00                                                                              |
| 4300299562      | 09.12.2017   | 28.691,54                                                                              |
| 4300312178      | 22.12.2017   | 28.655,20                                                                              |
| 4300313394      | 21.12.2017   | 28.650,43                                                                              |
| 5200033448      | 31.12.2015   | 28.649,52                                                                              |
| 4300301825      | 13.12.2017   | 28.620,10                                                                              |
| 4300279957      | 21.11.2017   | 28.560,00                                                                              |
| 6000357805      | 06.11.2012   | 28.543,24                                                                              |
| 4300288715      | 28.11.2017   | 28.489,61                                                                              |
| 4300295987      | 04.12.2017   | 28.488,60                                                                              |
| 4300309620      | 19.12.2017   | 28.486,78                                                                              |
| 4500002473      | 01.07.2005   | -28.468,98                                                                             |
| 4300315431      | 01.12.2017   | 28.370,00                                                                              |
| 5200021106      | 01.09.2014   | 28.348,77                                                                              |
| 5200020673      | 31.08.2014   | -28.348,77                                                                             |
| 4300207898      | 08.09.2017   | 28.310,43                                                                              |
| 4300262105      | 03.11.2017   | 28.310,43                                                                              |
| 4300262096      | 03.11.2017   | -28.310,43                                                                             |
| 4300314019      | 21.12.2017   | 28.222,11                                                                              |
| 4300300194      | 12.12.2017   | 28.190,32                                                                              |
| 4300309250      | 18.12.2017   | 28.164,41                                                                              |
| 4300283957      | 22.11.2017   | 28.127,50                                                                              |
| 4300277399      | 17.11.2017   | 28.125,00                                                                              |
| 4300285911      | 24.11.2017   | 28.070,96                                                                              |
| 4300302954      | 09.12.2017   | 28.048,61                                                                              |
| 6000269679      | 16.08.2016   | -28.009,35                                                                             |
| 4300304200      | 14.12.2017   | 27.977,76                                                                              |
| 4300299411      | 09.12.2017   | 27.976,83                                                                              |
| 4300286706      | 27.11.2017   | 27.950,13                                                                              |
| 5200036721      | 01.12.2001   | 27.934,49                                                                              |
| 5200036539      | 30.11.2001   | -27.934,49                                                                             |
| 5200037258      | 31.12.2001   | 27.925,24                                                                              |
| 5200001535      | 01.02.2014   | 27.914,77                                                                              |
| 5200001166      | 31.01.2014   | -27.914,77                                                                             |
| 5200006454      | 31.03.2014   | 27.909,13                                                                              |
| 4300294088      | 07.12.2017   | 27.823,79                                                                              |
| 5200007587      | 30.11.2007   | -27.817,58                                                                             |
| 4300294699      | 07.12.2017   | 27.806,52                                                                              |
| 4300290835      | 04.12.2017   | 27.803,52                                                                              |
| 4300290848      | 04.12.2017   | 27.803,52                                                                              |
| 4300236881      | 05.10.2017   | 27.788,96                                                                              |
| 5200002962      | 30.04.2010   | 27.761,66                                                                              |
| 6000157801      | 26.05.2015   | 27.688,17                                                                              |
| 5200019939      | 31.07.2016   | -27.688,15                                                                             |
| 5200013090      | 01.05.2013   | 27.677,48                                                                              |
| 5200012741      | 30.04.2013   | -27.677,48                                                                             |
| 4300302326      | 13.12.2017   | 27.649,12                                                                              |
| 5200000508      | 01.01.2012   | 27.592,04                                                                              |
| 5200020037      | 31.12.2011   | -27.592,04                                                                             |
| 4300304604      | 14.12.2017   | -27.539,13                                                                             |
| 4300306449      | 14.12.2017   | 27.512,40                                                                              |
| 5200016896      | 01.07.2016   | 27.511,70                                                                              |
| 5200016441      | 30.06.2016   | -27.511,70                                                                             |
| 4300290681      | 04.12.2017   | 27.500,00                                                                              |
| 4300299472      | 09.12.2017   | 27.489,00                                                                              |
| 2779087         | 01.02.2000   | 27.458,76                                                                              |
| 2779086         | 31.01.2000   | -27.458,76                                                                             |
| 4300263943      | 06.11.2017   | 27.450,00                                                                              |
| 2784940         | 31.10.1992   | 27.414,51                                                                              |
| 2784901         | 02.11.1992   | -27.414,51                                                                             |
| 4300312449      | 22.12.2017   | 27.408,68                                                                              |
| 4300308986      | 07.12.2017   | 27.373,86                                                                              |
| 4300308987      | 07.12.2017   | 27.373,86                                                                              |
| 5200021290      | 01.08.2013   | 27.341,43                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020935      | 31.07.2013   | -27.341,43                                                                             |
| 6000105808      | 09.04.2013   | -27.326,92                                                                             |
| 6000103671      | 07.04.2015   | -27.265,24                                                                             |
| 6000312328      | 08.10.2015   | -27.210,10                                                                             |
| 5200029172      | 01.11.2015   | 27.178,73                                                                              |
| 5200028764      | 31.10.2015   | -27.178,73                                                                             |
| 4300274858      | 16.11.2017   | 27.126,94                                                                              |
| 5200023098      | 01.09.2015   | 27.122,28                                                                              |
| 5200022719      | 31.08.2015   | -27.122,28                                                                             |
| 5200001035      | 31.01.2016   | -27.080,00                                                                             |
| 4300288070      | 23.11.2017   | 27.067,63                                                                              |
| 4300310480      | 18.12.2017   | -27.059,00                                                                             |
| 4300271432      | 07.11.2017   | 27.048,75                                                                              |
| 5200029030      | 31.10.2016   | -27.025,76                                                                             |
| 4300258664      | 27.10.2017   | 26.998,00                                                                              |
| 4300294968      | 05.12.2017   | 26.983,73                                                                              |
| 5200000191      | 04.01.2016   | 26.967,11                                                                              |
| 4300313838      | 22.12.2017   | 26.966,37                                                                              |
| 4300313923      | 22.12.2017   | 26.966,37                                                                              |
| 4300310962      | 20.12.2017   | 26.872,32                                                                              |
| 4800065685      | 08.12.2017   | 26.868,00                                                                              |
| 4600001237      | 05.11.2008   | 26.862,20                                                                              |
| 5200032139      | 01.10.2017   | 26.858,39                                                                              |
| 5200031586      | 30.09.2017   | -26.858,39                                                                             |
| 4300281122      | 21.11.2017   | 26.846,02                                                                              |
| 4600000223      | 04.03.2015   | -26.802,71                                                                             |
| 4300129691      | 01.06.2017   | 26.775,00                                                                              |
| 4300307054      | 16.12.2017   | 26.742,27                                                                              |
| 4300288556      | 27.11.2017   | 26.734,90                                                                              |
| 4300308608      | 18.12.2017   | 26.707,20                                                                              |
| 4300299567      | 09.12.2017   | 26.703,60                                                                              |
| 4300299412      | 09.12.2017   | 26.703,60                                                                              |
| 6000001152      | 05.01.2016   | 26.702,86                                                                              |
| 6000370613      | 02.12.2014   | -26.663,61                                                                             |
| 4300294525      | 07.12.2017   | 26.656,00                                                                              |
| 6000316403      | 12.09.2011   | 26.654,41                                                                              |
| 4300286306      | 29.11.2017   | 26.654,18                                                                              |
| 5200002997      | 01.02.2017   | 26.634,87                                                                              |
| 5200002451      | 31.01.2017   | -26.634,87                                                                             |
| 4300295556      | 07.12.2017   | 26.622,06                                                                              |
| 4300276884      | 09.11.2017   | 26.603,59                                                                              |
| 4300228265      | 30.10.2017   | 26.578,65                                                                              |
| 5200025830      | 30.09.2016   | -26.564,09                                                                             |
| 4300300642      | 12.12.2017   | 26.553,00                                                                              |
| 4300307848      | 20.12.2017   | 26.538,25                                                                              |
| 4300281188      | 21.11.2017   | 26.530,89                                                                              |
| 5200000295      | 31.01.2011   | 26.522,61                                                                              |
| 4300296094      | 05.12.2017   | 26.515,58                                                                              |
| 5200005733      | 01.03.2016   | 26.439,92                                                                              |
| 5200005219      | 29.02.2016   | -26.439,92                                                                             |
| 6000166640      | 06.06.2017   | 26.376,50                                                                              |
| 4500002125      | 12.04.2002   | -26.341,46                                                                             |
| 5200020324      | 01.08.2015   | 26.324,81                                                                              |
| 5200019957      | 31.07.2015   | -26.324,81                                                                             |
| 5200032809      | 01.12.2016   | 26.318,29                                                                              |
| 5200032345      | 30.11.2016   | -26.318,29                                                                             |
| 6000075251      | 06.03.2009   | -26.281,94                                                                             |
| 5200022302      | 01.10.2012   | 26.276,51                                                                              |
| 5200022008      | 30.09.2012   | -26.276,51                                                                             |
| 5200020302      | 01.09.2012   | 26.268,30                                                                              |
| 5200020016      | 31.08.2012   | -26.268,30                                                                             |
| 4300307059      | 16.12.2017   | 26.261,99                                                                              |
| 5200017578      | 01.08.2012   | 26.243,92                                                                              |
| 5200017292      | 31.07.2012   | -26.243,92                                                                             |
| 4300315842      | 29.12.2017   | 26.235,38                                                                              |
| 4300278085      | 17.11.2017   | 26.180,00                                                                              |
| 4300283090      | 27.11.2017   | 26.180,00                                                                              |
| 4300285906      | 21.11.2017   | 26.180,00                                                                              |
| 4300302221      | 11.12.2017   | 26.180,00                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300295177      | 05.12.2017   | 26.180,00                                                                              |
| 5200009233      | 31.07.2002   | 26.159,28                                                                              |
| 4300296405      | 06.12.2017   | 26.131,16                                                                              |
| 4300304682      | 14.12.2017   | 26.127,64                                                                              |
| 2768626         | 29.02.1992   | 26.127,20                                                                              |
| 2768650         | 03.03.1992   | -26.127,20                                                                             |
| 4300315378      | 28.12.2017   | 26.113,36                                                                              |
| 4300314735      | 18.12.2017   | 26.100,00                                                                              |
| 5200006916      | 31.05.2004   | -26.055,07                                                                             |
| 4300288045      | 22.11.2017   | 26.010,00                                                                              |
| 4300299405      | 09.12.2017   | 26.001,50                                                                              |
| 4300304652      | 14.12.2017   | 25.996,80                                                                              |
| 4300312518      | 27.12.2017   | -25.996,80                                                                             |
| 5200022256      | 01.10.2012   | 25.991,22                                                                              |
| 5200021962      | 30.09.2012   | -25.991,22                                                                             |
| 6000103443      | 07.04.2015   | -25.967,84                                                                             |
| 4300309443      | 20.12.2017   | 25.965,80                                                                              |
| 4300274182      | 15.11.2017   | 25.956,28                                                                              |
| 4300027848      | 01.02.2017   | 25.920,00                                                                              |
| 5200017637      | 01.08.2012   | 25.900,00                                                                              |
| 5200017351      | 31.07.2012   | -25.900,00                                                                             |
| 6000062122      | 23.02.2016   | 25.888,53                                                                              |
| 4300314197      | 28.12.2017   | 25.872,79                                                                              |
| 4300263968      | 03.11.2017   | 25.870,60                                                                              |
| 4300293115      | 01.12.2017   | 25.858,70                                                                              |
| 4300286750      | 28.11.2017   | 25.852,52                                                                              |
| 5200001747      | 31.01.2015   | -25.847,46                                                                             |
| 5200019937      | 31.07.2016   | -25.831,16                                                                             |
| 4300293758      | 06.12.2017   | 25.823,00                                                                              |
| 5200021107      | 01.09.2014   | 25.799,34                                                                              |
| 5200020674      | 31.08.2014   | -25.799,34                                                                             |
| 6000192124      | 24.06.2014   | -25.790,42                                                                             |
| 4300311546      | 21.12.2017   | 25.770,94                                                                              |
| 5200003432      | 31.05.2006   | -25.770,09                                                                             |
| 5200019052      | 30.11.2011   | 25.740,21                                                                              |
| 5200005652      | 01.03.2016   | 25.692,49                                                                              |
| 5200005138      | 29.02.2016   | -25.692,49                                                                             |
| 4300297682      | 07.12.2017   | 25.656,40                                                                              |
| 4300306399      | 14.12.2017   | 25.623,68                                                                              |
| 4300296588      | 06.12.2017   | 25.623,58                                                                              |
| 5200037257      | 31.12.2001   | -25.558,48                                                                             |
| 4300295939      | 12.12.2017   | 25.552,91                                                                              |
| 4300110484      | 09.05.2017   | 25.547,55                                                                              |
| 4300262048      | 03.11.2017   | -25.511,08                                                                             |
| 5200020323      | 01.08.2015   | 25.501,53                                                                              |
| 5200019956      | 31.07.2015   | -25.501,53                                                                             |
| 4300151090      | 28.06.2017   | -25.466,43                                                                             |
| 4300296042      | 05.12.2017   | 25.452,91                                                                              |
| 6000019679      | 24.01.2017   | -25.451,92                                                                             |
| 5200003011      | 01.02.2017   | 25.426,26                                                                              |
| 5200002465      | 31.01.2017   | -25.426,26                                                                             |
| 5200010169      | 30.09.2003   | -25.391,79                                                                             |
| 5200004732      | 01.03.2015   | 25.386,25                                                                              |
| 5200004302      | 28.02.2015   | -25.386,25                                                                             |
| 4300190464      | 08.09.2017   | 25.374,08                                                                              |
| 6000256304      | 21.08.2017   | 25.373,98                                                                              |
| 6000183415      | 06.06.2016   | -25.369,57                                                                             |
| 6000330958      | 04.10.2010   | 25.365,22                                                                              |
| 4300294685      | 07.12.2017   | 25.361,88                                                                              |
| 5200005930      | 31.08.2009   | 25.349,93                                                                              |
| 4300307075      | 16.12.2017   | 25.347,00                                                                              |
| 4300308098      | 18.12.2017   | 25.339,19                                                                              |
| 5200026782      | 01.10.2016   | 25.298,33                                                                              |
| 5200026329      | 30.09.2016   | -25.298,33                                                                             |
| 4300112569      | 11.05.2017   | 25.295,11                                                                              |
| 4300287787      | 28.11.2017   | 25.287,31                                                                              |
| 4000010139      | 04.02.2005   | -25.274,49                                                                             |
| 5200023173      | 01.09.2015   | 25.245,77                                                                              |
| 5200022794      | 31.08.2015   | -25.245,77                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020404      | 01.08.2015   | 25.231,44                                                                              |
| 5200020037      | 31.07.2015   | -25.231,44                                                                             |
| 4300284137      | 22.11.2017   | 25.224,91                                                                              |
| 5200020240      | 01.09.2012   | 25.220,00                                                                              |
| 5200019954      | 31.08.2012   | -25.220,00                                                                             |
| 4300299996      | 07.12.2017   | 25.207,74                                                                              |
| 4300297390      | 01.12.2017   | 25.184,69                                                                              |
| 5200010501      | 01.04.2013   | 25.138,91                                                                              |
| 5200010160      | 31.03.2013   | -25.138,91                                                                             |
| 4300244915      | 12.10.2017   | 25.093,53                                                                              |
| 4300217987      | 11.09.2017   | 25.073,30                                                                              |
| 4300312844      | 27.12.2017   | 25.069,22                                                                              |
| 4300291484      | 01.12.2017   | 25.063,50                                                                              |
| 2701489         | 31.12.2000   | 25.042,09                                                                              |
| 2701490         | 01.01.2001   | -25.042,09                                                                             |
| 4300305401      | 15.12.2017   | 25.011,28                                                                              |
| 4300068086      | 15.05.2017   | 25.011,20                                                                              |
| 4300294433      | 05.12.2017   | 25.004,28                                                                              |
| 5200005234      | 31.08.2001   | 25.000,45                                                                              |
| 5200005388      | 01.09.2001   | -25.000,45                                                                             |
| 4300302854      | 06.12.2017   | 25.000,00                                                                              |
| 4300310319      | 19.12.2017   | 25.000,00                                                                              |
| 4300295464      | 05.12.2017   | 25.000,00                                                                              |
| 4300310880      | 18.12.2017   | 25.000,00                                                                              |
| 4300259543      | 30.10.2017   | 24.990,00                                                                              |
| 5200014648      | 01.06.2016   | 24.981,10                                                                              |
| 5200014180      | 31.05.2016   | -24.981,10                                                                             |
| 5200026359      | 01.10.2015   | 24.935,88                                                                              |
| 5200025945      | 30.09.2015   | -24.935,88                                                                             |
| 4300289529      | 01.12.2017   | 24.931,73                                                                              |
| 4300307062      | 18.12.2017   | 24.930,50                                                                              |
| 5200025998      | 01.11.2012   | 24.901,80                                                                              |
| 5200025693      | 31.10.2012   | -24.901,80                                                                             |
| 4300299445      | 09.12.2017   | 24.871,00                                                                              |
| 6000385179      | 10.12.2015   | -24.853,25                                                                             |
| 4300312951      | 22.12.2017   | 24.834,70                                                                              |
| 6000345021      | 08.11.2016   | -24.815,58                                                                             |
| 4300302042      | 08.12.2017   | 24.782,15                                                                              |
| 6000385054      | 16.12.2014   | -24.756,38                                                                             |
| 4300295562      | 07.12.2017   | 24.740,10                                                                              |
| 4300307894      | 18.12.2017   | 24.730,48                                                                              |
| 4300274179      | 15.11.2017   | 24.720,00                                                                              |
| 4300310763      | 22.12.2017   | 24.716,70                                                                              |
| 4300179450      | 27.07.2016   | 24.716,24                                                                              |
| 4300301265      | 05.12.2017   | 24.662,18                                                                              |
| 6000344905      | 06.11.2017   | -24.654,72                                                                             |
| 6000025666      | 27.01.2015   | -24.649,60                                                                             |
| 4300297165      | 07.12.2017   | 24.633,00                                                                              |
| 5200021188      | 01.09.2014   | 24.611,59                                                                              |
| 5200020755      | 31.08.2014   | -24.611,59                                                                             |
| 4300207807      | 30.08.2017   | 24.607,95                                                                              |
| 4300313146      | 27.12.2017   | 24.600,00                                                                              |
| 5200011487      | 04.05.2015   | 24.591,13                                                                              |
| 4300297676      | 07.12.2017   | 24.549,94                                                                              |
| 4500002992      | 30.08.2005   | 24.547,77                                                                              |
| 4300257974      | 01.11.2017   | 24.539,03                                                                              |
| 4300306537      | 13.12.2017   | 24.514,00                                                                              |
| 5200026775      | 01.10.2016   | 24.500,82                                                                              |
| 5200026322      | 30.09.2016   | -24.500,82                                                                             |
| 4300281350      | 17.11.2017   | 24.430,20                                                                              |
| 4300299555      | 09.12.2017   | 24.420,74                                                                              |
| 4300299499      | 09.12.2017   | 24.410,23                                                                              |
| 4300247222      | 05.11.2017   | 24.400,47                                                                              |
| 5200032812      | 01.12.2016   | 24.400,29                                                                              |
| 5200032348      | 30.11.2016   | -24.400,29                                                                             |
| 5200003008      | 01.02.2017   | 24.393,31                                                                              |
| 5200002462      | 31.01.2017   | -24.393,31                                                                             |
| 4300309680      | 19.12.2017   | 24.389,33                                                                              |
| 4300299217      | 12.12.2017   | 24.385,08                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300287507      | 22.11.2017   | 24.371,20                                                                              |
| 4300299574      | 09.12.2017   | 24.336,69                                                                              |
| 4300261325      | 01.11.2017   | 24.305,05                                                                              |
| 6000390835      | 10.11.2008   | -24.294,50                                                                             |
| 5200001750      | 01.02.2016   | 24.276,49                                                                              |
| 5200001266      | 31.01.2016   | -24.276,49                                                                             |
| 4600000012      | 06.01.2003   | 24.259,11                                                                              |
| 5200009222      | 31.05.2011   | -24.246,78                                                                             |
| 4600001135      | 02.12.2011   | -24.219,71                                                                             |
| 4300315597      | 16.12.2017   | 24.202,65                                                                              |
| 6000286098      | 16.09.2014   | -24.192,84                                                                             |
| 4300310473      | 19.12.2017   | 24.192,29                                                                              |
| 4300108713      | 29.05.2017   | 24.178,15                                                                              |
| 5200031297      | 30.11.2013   | 24.167,39                                                                              |
| 4300310530      | 16.12.2017   | 24.102,30                                                                              |
| 6000270403      | 02.09.2014   | -24.065,50                                                                             |
| 5200008785      | 01.04.2016   | 24.027,34                                                                              |
| 5200008301      | 31.03.2016   | -24.027,34                                                                             |
| 4300288587      | 28.11.2017   | 24.022,82                                                                              |
| 5200013913      | 31.05.2016   | -24.017,23                                                                             |
| 6000346327      | 11.11.2014   | -24.010,11                                                                             |
| 4300307640      | 16.12.2017   | 24.000,00                                                                              |
| 5200032195      | 01.12.2015   | 23.997,84                                                                              |
| 5200031792      | 30.11.2015   | -23.997,84                                                                             |
| 4000150351      | 05.06.2009   | 23.995,94                                                                              |
| 4300293615      | 01.12.2017   | 23.976,80                                                                              |
| 4300298268      | 11.12.2017   | 23.973,83                                                                              |
| 4300306059      | 16.12.2017   | 23.947,82                                                                              |
| 4300286341      | 04.12.2017   | 23.934,81                                                                              |
| 4300271106      | 10.11.2017   | 23.900,03                                                                              |
| 4300246752      | 13.10.2017   | 23.892,00                                                                              |
| 4300280043      | 21.11.2017   | 23.875,42                                                                              |
| 5200009286      | 30.04.2014   | -23.871,17                                                                             |
| 5200012498      | 01.06.2014   | 23.852,03                                                                              |
| 5200012053      | 31.05.2014   | -23.852,03                                                                             |
| 6000018495      | 19.01.2016   | 23.851,08                                                                              |
| 5200006873      | 30.09.2005   | 23.841,64                                                                              |
| 5200012849      | 30.04.2017   | 23.838,79                                                                              |
| 4300310876      | 20.12.2017   | 23.816,05                                                                              |
| 4300302901      | 14.12.2017   | 23.800,00                                                                              |
| 4300289594      | 01.12.2017   | 23.800,00                                                                              |
| 4300310964      | 20.12.2017   | 23.800,00                                                                              |
| 4300315700      | 29.12.2017   | 23.800,00                                                                              |
| 5200001748      | 31.01.2015   | 23.789,37                                                                              |
| 5200002375      | 01.02.2012   | 23.770,74                                                                              |
| 5200002133      | 31.01.2012   | -23.770,74                                                                             |
| 4300306440      | 14.12.2017   | 23.760,71                                                                              |
| 4300281122      | 21.11.2017   | 23.743,65                                                                              |
| 6000188191      | 12.06.2009   | 23.734,84                                                                              |
| 4300306681      | 16.12.2017   | 23.704,80                                                                              |
| 6000058519      | 28.02.2017   | 23.690,76                                                                              |
| 4300310879      | 20.12.2017   | 23.673,09                                                                              |
| 5200015682      | 01.06.2013   | 23.636,64                                                                              |
| 5200015325      | 31.05.2013   | -23.636,64                                                                             |
| 4300240697      | 16.10.2017   | 23.623,85                                                                              |
| 4300295541      | 07.12.2017   | 23.618,60                                                                              |
| 5200001893      | 01.02.2016   | 23.614,36                                                                              |
| 5200001409      | 31.01.2016   | -23.614,36                                                                             |
| 4300307709      | 20.12.2017   | 23.596,80                                                                              |
| 4300242378      | 04.10.2017   | 23.534,25                                                                              |
| 5200039551      | 30.11.2017   | -23.529,01                                                                             |
| 4300311749      | 22.12.2017   | 23.502,02                                                                              |
| 4300314319      | 04.12.2017   | 23.479,03                                                                              |
| 4300294664      | 05.12.2017   | 23.466,80                                                                              |
| 4300309705      | 18.12.2017   | 23.416,88                                                                              |
| 4300310869      | 20.12.2017   | 23.394,50                                                                              |
| 5200029241      | 01.11.2013   | 23.371,79                                                                              |
| 5200028900      | 31.10.2013   | -23.371,79                                                                             |
| 4300160716      | 05.07.2017   | 23.355,83                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300277826      | 20.11.2017   | 23.315,67                                                                              |
| 5200014037      | 01.05.2017   | 23.286,70                                                                              |
| 5200013487      | 30.04.2017   | -23.286,70                                                                             |
| 4300301027      | 11.12.2017   | 23.271,66                                                                              |
| 4300275404      | 06.12.2017   | 23.262,37                                                                              |
| 4300310852      | 20.12.2017   | 23.239,72                                                                              |
| 5200003074      | 01.02.2017   | 23.231,95                                                                              |
| 5200002528      | 31.01.2017   | -23.231,95                                                                             |
| 6000386870      | 31.12.2017   | 23.201,21                                                                              |
| 5200000366      | 01.01.2015   | 23.193,78                                                                              |
| 5200031041      | 31.12.2014   | -23.193,78                                                                             |
| 4300288719      | 23.11.2017   | 23.179,62                                                                              |
| 4300278795      | 14.11.2017   | 23.168,52                                                                              |
| 4300310872      | 20.12.2017   | 23.155,41                                                                              |
| 4300310272      | 18.12.2017   | 23.144,75                                                                              |
| 4300312189      | 14.12.2017   | 23.137,92                                                                              |
| 5200012052      | 01.05.2015   | 23.126,80                                                                              |
| 5200011639      | 30.04.2015   | -23.126,80                                                                             |
| 5200007869      | 31.12.2010   | -23.108,77                                                                             |
| 4000165729      | 22.05.2015   | 23.092,63                                                                              |
| 4300302881      | 13.12.2017   | 23.061,31                                                                              |
| 5200014352      | 01.06.2015   | -23.055,69                                                                             |
| 4300310877      | 20.12.2017   | 23.049,11                                                                              |
| 4300294379      | 07.12.2017   | 23.031,86                                                                              |
| 5200020397      | 01.08.2015   | 22.987,40                                                                              |
| 5200020030      | 31.07.2015   | -22.987,40                                                                             |
| 4300297610      | 06.12.2017   | 22.986,34                                                                              |
| 2701492         | 01.01.2001   | 22.952,52                                                                              |
| 2701491         | 31.12.2000   | -22.952,52                                                                             |
| 4300306072      | 14.12.2017   | 22.919,52                                                                              |
| 4300266000      | 08.11.2017   | 22.904,31                                                                              |
| 4300309435      | 18.12.2017   | 22.848,00                                                                              |
| 4300284027      | 25.11.2017   | 22.842,31                                                                              |
| 4300315743      | 29.12.2017   | 22.819,74                                                                              |
| 4300300317      | 08.12.2017   | 22.811,69                                                                              |
| 4300281191      | 21.11.2017   | 22.807,84                                                                              |
| 4300307597      | 16.12.2017   | 22.800,00                                                                              |
| 5200006257      | 01.03.2017   | 22.773,24                                                                              |
| 5200005718      | 28.02.2017   | -22.773,24                                                                             |
| 4300299399      | 09.12.2017   | 22.751,09                                                                              |
| 5200009482      | 01.04.2017   | 22.749,38                                                                              |
| 5200008950      | 31.03.2017   | -22.749,38                                                                             |
| 6000180861      | 15.06.2015   | 22.735,49                                                                              |
| 4300215877      | 07.09.2017   | 22.703,52                                                                              |
| 4300295569      | 07.12.2017   | 22.690,80                                                                              |
| 4300306790      | 16.12.2017   | 22.681,98                                                                              |
| 4300267366      | 07.11.2017   | 22.667,17                                                                              |
| 4300310427      | 07.12.2017   | 22.667,17                                                                              |
| 4300280039      | 21.11.2017   | 22.651,75                                                                              |
| 4300312325      | 27.12.2017   | 22.638,49                                                                              |
| 4300299446      | 09.12.2017   | 22.638,16                                                                              |
| 4300296196      | 07.12.2017   | 22.624,88                                                                              |
| 4300191074      | 01.08.2017   | 22.620,47                                                                              |
| 4300310854      | 20.12.2017   | 22.615,33                                                                              |
| 5200004013      | 28.02.2015   | 22.591,84                                                                              |
| 5200003170      | 01.02.2013   | 22.559,28                                                                              |
| 5200002831      | 31.01.2013   | -22.559,28                                                                             |
| 4300305381      | 18.12.2017   | 22.556,60                                                                              |
| 6000241925      | 07.08.2017   | 22.551,87                                                                              |
| 5200013973      | 01.05.2017   | 22.535,24                                                                              |
| 5200013423      | 30.04.2017   | -22.535,24                                                                             |
| 5200002345      | 30.04.2009   | 22.528,56                                                                              |
| 4300299535      | 09.12.2017   | 22.510,15                                                                              |
| 4300297007      | 07.12.2017   | 22.503,85                                                                              |
| 4300288567      | 29.11.2017   | 22.502,00                                                                              |
| 4300287505      | 29.11.2017   | 22.500,00                                                                              |
| 5200029824      | 01.11.2016   | 22.486,55                                                                              |
| 5200029375      | 31.10.2016   | -22.486,55                                                                             |
| 6000083366      | 19.03.2013   | -22.484,44                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300315452      | 14.12.2017   | 22.443,25                                                                              |
| 5200001312      | 31.01.2003   | -22.438,13                                                                             |
| 6000338321      | 04.11.2014   | -22.431,61                                                                             |
| 5200012848      | 30.04.2017   | 22.366,94                                                                              |
| 5200002419      | 01.02.2015   | 22.365,74                                                                              |
| 5200001996      | 31.01.2015   | -22.365,74                                                                             |
| 4300311298      | 21.12.2017   | 22.350,00                                                                              |
| 4300307092      | 16.12.2017   | 22.348,77                                                                              |
| 4300307120      | 16.12.2017   | 22.335,36                                                                              |
| 4300291067      | 04.12.2017   | 22.334,31                                                                              |
| 5200022301      | 01.10.2012   | 22.310,00                                                                              |
| 5200022007      | 30.09.2012   | -22.310,00                                                                             |
| 4500001841      | 10.11.2016   | 22.280,41                                                                              |
| 4800065685      | 08.12.2017   | 22.271,33                                                                              |
| 4800064937      | 04.12.2017   | 22.269,96                                                                              |
| 5200004278      | 01.03.2014   | 22.261,56                                                                              |
| 5200003879      | 28.02.2014   | -22.261,56                                                                             |
| 2779084         | 31.01.2000   | 22.258,86                                                                              |
| 2779085         | 01.02.2000   | -22.258,86                                                                             |
| 5200012767      | 31.12.2004   | -22.254,03                                                                             |
| 4300268253      | 07.11.2017   | 22.253,00                                                                              |
| 4300297562      | 06.12.2017   | 22.248,76                                                                              |
| 6000004470      | 05.01.2012   | -22.229,46                                                                             |
| 4300293163      | 04.12.2017   | 22.179,00                                                                              |
| 5200025992      | 01.11.2012   | 22.178,45                                                                              |
| 5200025687      | 31.10.2012   | -22.178,45                                                                             |
| 5200001540      | 28.02.2010   | 22.174,83                                                                              |
| 4300283035      | 27.11.2017   | 22.134,00                                                                              |
| 4300188787      | 05.08.2016   | 22.132,22                                                                              |
| 4300271499      | 07.11.2017   | 22.119,99                                                                              |
| 4300288199      | 04.12.2017   | 22.066,05                                                                              |
| 4300301504      | 08.12.2017   | 22.064,51                                                                              |
| 4300293212      | 02.12.2017   | 22.064,50                                                                              |
| 4300275213      | 06.11.2017   | 22.036,62                                                                              |
| 4300309340      | 21.12.2017   | 22.036,62                                                                              |
| 5200004773      | 31.07.2006   | -22.016,58                                                                             |
| 4300272889      | 27.11.2017   | 22.010,44                                                                              |
| 5200026595      | 01.10.2013   | 22.000,98                                                                              |
| 5200026228      | 30.09.2013   | -22.000,98                                                                             |
| 4300296293      | 05.12.2017   | 22.000,00                                                                              |
| 4300278129      | 17.11.2017   | 21.984,73                                                                              |
| 4300279626      | 21.11.2017   | 21.978,00                                                                              |
| 4300311576      | 21.12.2017   | 21.955,50                                                                              |
| 5200013915      | 31.05.2016   | 21.919,27                                                                              |
| 4300280908      | 14.11.2017   | 21.892,65                                                                              |
| 4300299984      | 08.12.2017   | 21.892,65                                                                              |
| 2731959         | 03.02.1997   | 21.869,35                                                                              |
| 2731958         | 31.01.1997   | -21.869,35                                                                             |
| 4300288700      | 24.11.2017   | 21.829,67                                                                              |
| 4300244042      | 11.10.2017   | 21.784,14                                                                              |
| 4300307832      | 07.12.2017   | 21.784,14                                                                              |
| 5200009054      | 01.05.2012   | 21.779,17                                                                              |
| 5200008776      | 30.04.2012   | -21.779,17                                                                             |
| 6000160601      | 17.05.2016   | 21.751,82                                                                              |
| 4300267250      | 06.11.2017   | 21.743,70                                                                              |
| 5200042168      | 31.12.2017   | -21.727,98                                                                             |
| 4300299157      | 06.12.2017   | 21.698,46                                                                              |
| 4300277684      | 18.11.2017   | 21.694,73                                                                              |
| 4300278823      | 11.11.2017   | 21.694,73                                                                              |
| 4300288909      | 24.11.2017   | 21.687,63                                                                              |
| 4000119849      | 13.04.2015   | -21.678,58                                                                             |
| 4300291677      | 05.12.2017   | 21.671,54                                                                              |
| 2738787         | 02.05.1997   | 21.668,50                                                                              |
| 2738786         | 30.04.1997   | -21.668,50                                                                             |
| 5200015739      | 01.06.2013   | 21.658,88                                                                              |
| 5200015382      | 31.05.2013   | -21.658,88                                                                             |
| 4300281158      | 22.11.2017   | 21.648,10                                                                              |
| 4300303205      | 13.12.2017   | 21.628,85                                                                              |
| 4300308474      | 18.12.2017   | 21.621,80                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008068      | 30.11.2009   | 21.614,15                                                                              |
| 5200009402      | 01.04.2017   | 21.585,60                                                                              |
| 5200008870      | 31.03.2017   | -21.585,60                                                                             |
| 4300285706      | 24.11.2017   | 21.580,65                                                                              |
| 2704989         | 31.03.2001   | 21.577,27                                                                              |
| 2704990         | 01.04.2001   | -21.577,27                                                                             |
| 5200020650      | 01.08.2016   | 21.575,09                                                                              |
| 5200020185      | 31.07.2016   | -21.575,09                                                                             |
| 4300293143      | 01.12.2017   | 21.563,33                                                                              |
| 4300291572      | 05.12.2017   | 21.560,98                                                                              |
| 4300293165      | 02.12.2017   | 21.542,61                                                                              |
| 4300299478      | 09.12.2017   | 21.534,24                                                                              |
| 4300304919      | 15.12.2017   | 21.529,38                                                                              |
| 4300288672      | 24.11.2017   | 21.512,61                                                                              |
| 6000361813      | 25.11.2014   | -21.510,09                                                                             |
| 2788782         | 31.01.1994   | 21.494,80                                                                              |
| 2788783         | 01.02.1994   | -21.494,80                                                                             |
| 4300304908      | 15.12.2017   | 21.487,62                                                                              |
| 5200002493      | 01.07.2001   | 21.486,00                                                                              |
| 5200002306      | 30.06.2001   | -21.486,00                                                                             |
| 4300313832      | 28.12.2017   | 21.467,24                                                                              |
| 4500000115      | 16.01.2015   | -21.466,62                                                                             |
| 6000326661      | 19.09.2008   | -21.435,20                                                                             |
| 6000323332      | 28.09.2010   | -21.428,86                                                                             |
| 4300295025      | 04.12.2017   | 21.424,00                                                                              |
| 5200023896      | 01.09.2013   | 21.402,99                                                                              |
| 5200023544      | 31.08.2013   | -21.402,99                                                                             |
| 5200007602      | 01.03.2013   | 21.344,40                                                                              |
| 5200010461      | 01.04.2013   | 21.344,40                                                                              |
| 5200007271      | 28.02.2013   | -21.344,40                                                                             |
| 5200010120      | 31.03.2013   | -21.344,40                                                                             |
| 4300315565      | 19.12.2017   | 21.336,42                                                                              |
| 4300310578      | 20.12.2017   | 21.313,59                                                                              |
| 6000052151      | 19.02.2013   | 21.277,82                                                                              |
| 5200026596      | 01.10.2013   | 21.270,55                                                                              |
| 5200026229      | 30.09.2013   | -21.270,55                                                                             |
| 5200023752      | 31.07.2017   | -21.257,43                                                                             |
| 6000340570      | 26.10.2009   | 21.246,17                                                                              |
| 4300162438      | 21.08.2017   | 21.215,00                                                                              |
| 5200000519      | 01.01.2017   | 21.199,72                                                                              |
| 5200034426      | 31.12.2016   | -21.199,72                                                                             |
| 4300312243      | 22.12.2017   | 21.182,17                                                                              |
| 4300314615      | 18.12.2017   | 21.172,08                                                                              |
| 5200013155      | 01.05.2013   | 21.170,97                                                                              |
| 5200012806      | 30.04.2013   | -21.170,97                                                                             |
| 4300308309      | 14.12.2017   | 21.156,71                                                                              |
| 6000298992      | 08.09.2010   | -21.125,78                                                                             |
| 5200018506      | 01.07.2013   | 21.093,66                                                                              |
| 5200018108      | 30.06.2013   | -21.093,66                                                                             |
| 4300309563      | 22.12.2017   | 21.091,71                                                                              |
| 5200029245      | 01.11.2015   | 21.085,91                                                                              |
| 5200028837      | 31.10.2015   | -21.085,91                                                                             |
| 5200030864      | 31.12.2014   | -21.082,90                                                                             |
| 4300310306      | 27.12.2017   | 21.030,00                                                                              |
| 4300313357      | 22.12.2017   | 21.018,38                                                                              |
| 5200040417      | 01.12.2017   | 21.015,00                                                                              |
| 5200039872      | 30.11.2017   | -21.015,00                                                                             |
| 5200013100      | 01.05.2013   | 21.014,76                                                                              |
| 5200012751      | 30.04.2013   | -21.014,76                                                                             |
| 4300289252      | 11.12.2017   | 21.000,00                                                                              |
| 4300276580      | 12.11.2017   | 20.991,60                                                                              |
| 6000118567      | 11.04.2016   | 20.977,44                                                                              |
| 4300307403      | 16.12.2017   | 20.960,60                                                                              |
| 5200031788      | 01.12.2013   | 20.942,07                                                                              |
| 5200031433      | 30.11.2013   | -20.942,07                                                                             |
| 5200031835      | 01.12.2013   | 20.931,57                                                                              |
| 5200031480      | 30.11.2013   | -20.931,57                                                                             |
| 4300223049      | 13.09.2017   | 20.911,28                                                                              |
| 4300270161      | 09.11.2017   | 20.911,28                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000033674      | 03.02.2010   | -20.901,35                                                                             |
| 5200012651      | 01.06.2014   | 20.897,34                                                                              |
| 5200012206      | 31.05.2014   | -20.897,34                                                                             |
| 4000073889      | 02.03.2016   | -20.896,61                                                                             |
| 4300295173      | 05.12.2017   | 20.870,17                                                                              |
| 4300290938      | 04.12.2017   | 20.831,55                                                                              |
| 6000222181      | 20.07.2015   | 20.831,22                                                                              |
| 4300308489      | 18.12.2017   | 20.825,00                                                                              |
| 4300296308      | 06.12.2017   | 20.800,00                                                                              |
| 4300112978      | 01.06.2017   | 20.792,87                                                                              |
| 5200003606      | 31.05.2010   | -20.786,57                                                                             |
| 4300285227      | 15.11.2017   | 20.781,20                                                                              |
| 4300144925      | 21.06.2017   | 20.741,70                                                                              |
| 5200029323      | 01.11.2015   | 20.722,54                                                                              |
| 5200028915      | 31.10.2015   | -20.722,54                                                                             |
| 4300307471      | 20.12.2017   | 20.660,77                                                                              |
| 4300259623      | 17.10.2017   | 20.627,86                                                                              |
| 2730688         | 31.12.1996   | 20.621,55                                                                              |
| 2730689         | 02.01.1997   | -20.621,55                                                                             |
| 5200002094      | 01.06.2001   | 20.620,86                                                                              |
| 5200001915      | 31.05.2001   | -20.620,86                                                                             |
| 4300284208      | 22.11.2017   | 20.614,53                                                                              |
| 6000434454      | 13.12.2011   | -20.600,41                                                                             |
| 4300293272      | 06.12.2017   | 20.591,64                                                                              |
| 6000159737      | 09.05.2008   | -20.580,69                                                                             |
| 5200018432      | 01.07.2013   | 20.566,50                                                                              |
| 5200018051      | 30.06.2013   | -20.566,50                                                                             |
| 4300305298      | 14.12.2017   | 20.561,58                                                                              |
| 4300307462      | 20.12.2017   | 20.559,61                                                                              |
| 4500000361      | 22.02.2016   | 20.556,24                                                                              |
| 6000021328      | 22.01.2013   | 20.541,99                                                                              |
| 4300272900      | 14.11.2017   | 20.538,32                                                                              |
| 4300313998      | 27.12.2017   | 20.526,70                                                                              |
| 4300307111      | 16.12.2017   | 20.516,20                                                                              |
| 4300207283      | 30.08.2017   | 20.512,33                                                                              |
| 4300285626      | 07.12.2017   | 20.468,00                                                                              |
| 6000442959      | 18.12.2008   | -20.444,82                                                                             |
| 4300276045      | 20.11.2017   | 20.425,98                                                                              |
| 5200007527      | 01.07.2002   | 20.412,73                                                                              |
| 6000373566      | 06.12.2016   | -20.401,87                                                                             |
| 5200007538      | 01.03.2013   | 20.369,43                                                                              |
| 5200007207      | 28.02.2013   | -20.369,43                                                                             |
| 2777885         | 03.01.2000   | 20.347,58                                                                              |
| 2777884         | 31.12.1999   | -20.347,58                                                                             |
| 4300301556      | 11.12.2017   | 20.346,18                                                                              |
| 4300267046      | 07.11.2017   | 20.315,68                                                                              |
| 4300299668      | 08.12.2017   | 20.315,68                                                                              |
| 4300295849      | 05.12.2017   | 20.314,78                                                                              |
| 4300301700      | 13.12.2017   | 20.314,05                                                                              |
| 4300264706      | 03.11.2017   | 20.292,64                                                                              |
| 4300315498      | 29.12.2017   | -20.287,79                                                                             |
| 4300315499      | 29.12.2017   | -20.287,79                                                                             |
| 5200000597      | 01.01.2002   | 20.286,64                                                                              |
| 4300292003      | 04.12.2017   | 20.280,02                                                                              |
| 5200039545      | 30.11.2017   | -20.255,19                                                                             |
| 6000386873      | 31.12.2017   | 20.247,67                                                                              |
| 5200009825      | 01.05.2014   | 20.246,20                                                                              |
| 5200009403      | 30.04.2014   | -20.246,20                                                                             |
| 4300106495      | 03.05.2017   | 20.202,64                                                                              |
| 5200029235      | 01.11.2015   | 20.200,52                                                                              |
| 5200028827      | 31.10.2015   | -20.200,52                                                                             |
| 4300293276      | 06.12.2017   | -20.199,26                                                                             |
| 4300301286      | 14.12.2017   | 20.193,73                                                                              |
| 4300309879      | 16.12.2017   | 20.192,97                                                                              |
| 4300293465      | 01.12.2017   | 20.166,63                                                                              |
| 5200032069      | 30.11.2016   | 20.154,86                                                                              |
| 4300312313      | 27.12.2017   | 20.148,12                                                                              |
| 4300296967      | 06.12.2017   | 20.146,41                                                                              |
| 4300268158      | 10.11.2017   | 20.135,99                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300281147      | 22.11.2017   | 20.127,56                                                                              |
| 6000115797      | 16.04.2015   | -20.121,53                                                                             |
| 4300299542      | 09.12.2017   | 20.111,00                                                                              |
| 5200017854      | 31.07.2014   | -20.078,54                                                                             |
| 4300281109      | 21.11.2017   | 20.071,15                                                                              |
| 4300310007      | 16.12.2017   | 20.064,60                                                                              |
| 5200037258      | 31.12.2001   | -20.063,56                                                                             |
| 4300306137      | 16.12.2017   | 20.045,79                                                                              |
| 4300281694      | 22.11.2017   | 20.039,02                                                                              |
| 5200021681      | 01.07.2017   | 20.035,00                                                                              |
| 5200021130      | 30.06.2017   | -20.035,00                                                                             |
| 4300315200      | 22.12.2017   | 20.033,65                                                                              |
| 5200028447      | 01.09.2017   | 20.032,90                                                                              |
| 5200027891      | 31.08.2017   | -20.032,90                                                                             |
| 4300298570      | 08.12.2017   | 20.000,00                                                                              |
| 4300298998      | 12.12.2017   | 20.000,00                                                                              |
| 4300297397      | 07.12.2017   | 20.000,00                                                                              |
| 4300313139      | 27.12.2017   | 20.000,00                                                                              |
| 4300279816      | 21.11.2017   | 20.000,00                                                                              |
| 5200000599      | 01.01.2002   | -19.978,40                                                                             |
| 4300219341      | 22.09.2017   | 19.964,51                                                                              |
| 6000388135      | 15.12.2015   | -19.922,95                                                                             |
| 4300110230      | 09.05.2017   | 19.913,36                                                                              |
| 4300304304      | 14.12.2017   | 19.906,32                                                                              |
| 4300279230      | 13.11.2017   | 19.895,20                                                                              |
| 2703790         | 28.02.2001   | 19.854,54                                                                              |
| 2703791         | 01.03.2001   | -19.854,54                                                                             |
| 4300314233      | 27.12.2017   | 19.842,57                                                                              |
| 5200012198      | 01.06.2012   | 19.836,31                                                                              |
| 5200011924      | 31.05.2012   | -19.836,31                                                                             |
| 4300301516      | 08.12.2017   | 19.824,70                                                                              |
| 4300288195      | 24.11.2017   | 19.819,45                                                                              |
| 4300299252      | 12.12.2017   | 19.809,83                                                                              |
| 4300295433      | 06.12.2017   | 19.800,00                                                                              |
| 4300303794      | 14.12.2017   | 19.800,00                                                                              |
| 4300271476      | 08.11.2017   | 19.790,00                                                                              |
| 4300310517      | 20.12.2017   | 19.773,60                                                                              |
| 4300280985      | 21.11.2017   | 19.766,02                                                                              |
| 4300309770      | 16.12.2017   | 19.761,60                                                                              |
| 4300288707      | 21.11.2017   | 19.735,83                                                                              |
| 4800067159      | 13.12.2017   | 19.679,30                                                                              |
| 6000373884      | 05.11.2010   | 19.676,37                                                                              |
| 5200000510      | 01.01.2012   | 19.662,36                                                                              |
| 5200020039      | 31.12.2011   | -19.662,36                                                                             |
| 5200007602      | 31.12.2007   | 19.651,16                                                                              |
| 4300136059      | 21.06.2017   | 19.631,40                                                                              |
| 4300306764      | 20.12.2017   | 19.623,07                                                                              |
| 6000419852      | 10.12.2010   | -19.619,07                                                                             |
| 4300305392      | 18.12.2017   | 19.610,47                                                                              |
| 4300258389      | 30.10.2017   | 19.607,42                                                                              |
| 5200031432      | 01.12.2015   | -19.600,37                                                                             |
| 4300305226      | 14.12.2017   | 19.575,50                                                                              |
| 4300315549      | 27.12.2017   | -19.540,48                                                                             |
| 4300305973      | 15.12.2017   | 19.518,86                                                                              |
| 4300293016      | 04.12.2017   | 19.503,80                                                                              |
| 5200002385      | 28.02.2011   | -19.487,44                                                                             |
| 4300252626      | 23.10.2017   | 19.478,00                                                                              |
| 6000002033      | 03.01.2011   | -19.477,40                                                                             |
| 4300304817      | 14.12.2017   | 19.448,17                                                                              |
| 4300293356      | 01.12.2017   | 19.446,02                                                                              |
| 5200022473      | 31.08.2015   | -19.417,19                                                                             |
| 4300293808      | 06.12.2017   | 19.397,67                                                                              |
| 4300299687      | 08.12.2017   | 19.390,23                                                                              |
| 5200022243      | 01.10.2012   | 19.327,01                                                                              |
| 5200021949      | 30.09.2012   | -19.327,01                                                                             |
| 5200025991      | 01.11.2012   | 19.320,90                                                                              |
| 5200025686      | 31.10.2012   | -19.320,90                                                                             |
| 4300293677      | 05.12.2017   | 19.298,40                                                                              |
| 4300302325      | 13.12.2017   | 19.276,80                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200028799      | 01.12.2012   | 19.272,16                                                                              |
| 5200028490      | 30.11.2012   | -19.272,16                                                                             |
| 6000356737      | 03.12.2007   | 19.271,65                                                                              |
| 5200032058      | 30.11.2016   | -19.249,01                                                                             |
| 4300299580      | 09.12.2017   | 19.238,37                                                                              |
| 6000244644      | 08.08.2017   | 19.236,48                                                                              |
| 4300188730      | 04.08.2017   | 19.232,48                                                                              |
| 4300299540      | 09.12.2017   | 19.218,98                                                                              |
| 4300307108      | 16.12.2017   | 19.211,55                                                                              |
| 5200029816      | 01.11.2016   | 19.189,02                                                                              |
| 5200029367      | 31.10.2016   | -19.189,02                                                                             |
| 4300303476      | 13.12.2017   | 19.188,16                                                                              |
| 4300268280      | 06.11.2017   | 19.180,73                                                                              |
| 4300288856      | 29.11.2017   | 19.177,57                                                                              |
| 4300315409      | 01.12.2017   | 19.154,73                                                                              |
| 5200013076      | 30.11.2003   | -19.154,03                                                                             |
| 5200006808      | 01.04.2012   | 19.153,43                                                                              |
| 5200006512      | 31.03.2012   | -19.153,43                                                                             |
| 5200035958      | 01.11.2017   | 19.149,51                                                                              |
| 5200035407      | 31.10.2017   | -19.149,51                                                                             |
| 4300307394      | 15.12.2017   | 19.145,48                                                                              |
| 4300286338      | 04.12.2017   | 19.140,26                                                                              |
| 4300301400      | 13.12.2017   | 19.133,76                                                                              |
| 4300287442      | 23.11.2017   | 19.099,25                                                                              |
| 4300267267      | 09.11.2017   | 19.076,42                                                                              |
| 4300113378      | 12.05.2017   | 19.053,79                                                                              |
| 5200017588      | 01.08.2012   | 19.046,10                                                                              |
| 5200017302      | 31.07.2012   | -19.046,10                                                                             |
| 4300288912      | 23.11.2017   | 19.038,48                                                                              |
| 5200000338      | 01.01.2014   | 19.035,25                                                                              |
| 5200033645      | 31.12.2013   | -19.035,25                                                                             |
| 4300300653      | 13.12.2017   | 19.035,24                                                                              |
| 6000228963      | 17.07.2009   | 19.025,74                                                                              |
| 4300305971      | 14.12.2017   | 19.020,00                                                                              |
| 6000049221      | 17.02.2010   | -19.019,69                                                                             |
| 4300300368      | 08.12.2017   | 19.000,24                                                                              |
| 4300303413      | 13.12.2017   | 19.000,00                                                                              |
| 4300297198      | 07.12.2017   | 19.000,00                                                                              |
| 4300295916      | 05.12.2017   | 18.975,00                                                                              |
| 4300300932      | 06.12.2017   | 18.972,92                                                                              |
| 4300309657      | 20.12.2017   | 18.954,48                                                                              |
| 4300250010      | 18.10.2017   | 18.950,00                                                                              |
| 5200020380      | 01.08.2015   | 18.932,83                                                                              |
| 5200020013      | 31.07.2015   | -18.932,83                                                                             |
| 4300284587      | 20.11.2017   | 18.927,50                                                                              |
| 2742248         | 31.07.1997   | 18.909,71                                                                              |
| 2742249         | 01.08.1997   | -18.909,71                                                                             |
| 4300312124      | 21.12.2017   | 18.892,20                                                                              |
| 4300305251      | 14.12.2017   | 18.892,00                                                                              |
| 4300299390      | 09.12.2017   | 18.849,60                                                                              |
| 4300295169      | 05.12.2017   | 18.849,60                                                                              |
| 4300313904      | 28.12.2017   | 18.838,26                                                                              |
| 4300295857      | 05.12.2017   | 18.823,21                                                                              |
| 4300309636      | 14.12.2017   | 18.823,21                                                                              |
| 4300310011      | 16.12.2017   | 18.823,21                                                                              |
| 4300285635      | 22.11.2017   | 18.823,20                                                                              |
| 4300315804      | 29.12.2017   | 18.810,59                                                                              |
| 5200008007      | 01.04.2015   | 18.787,81                                                                              |
| 5200007605      | 31.03.2015   | -18.787,81                                                                             |
| 4300298622      | 13.12.2017   | 18.783,79                                                                              |
| 4300302255      | 08.12.2017   | 18.757,56                                                                              |
| 4300306917      | 01.12.2017   | 18.721,68                                                                              |
| 4300302263      | 08.12.2017   | 18.693,05                                                                              |
| 4300300447      | 13.12.2017   | 18.689,08                                                                              |
| 6000124920      | 17.04.2009   | 18.673,81                                                                              |
| 5200009815      | 01.05.2014   | 18.665,55                                                                              |
| 5200009393      | 30.04.2014   | -18.665,55                                                                             |
| 4800066487      | 11.12.2017   | 18.640,25                                                                              |
| 4300300714      | 13.12.2017   | 18.638,48                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000271      | 01.01.2016   | 18.635,13                                                                              |
| 5200033557      | 31.12.2015   | -18.635,13                                                                             |
| 5200002808      | 30.04.2007   | -18.620,37                                                                             |
| 5200015734      | 01.06.2013   | 18.610,56                                                                              |
| 5200015377      | 31.05.2013   | -18.610,56                                                                             |
| 4300285691      | 20.11.2017   | 18.589,42                                                                              |
| 5200004656      | 01.03.2015   | 18.588,22                                                                              |
| 5200004226      | 28.02.2015   | -18.588,22                                                                             |
| 5200021174      | 01.09.2014   | 18.584,35                                                                              |
| 5200020741      | 31.08.2014   | -18.584,35                                                                             |
| 4300313188      | 27.12.2017   | 18.584,10                                                                              |
| 5200023713      | 01.10.2014   | 18.565,81                                                                              |
| 5200023388      | 30.09.2014   | -18.565,81                                                                             |
| 4300305432      | 05.12.2017   | 18.530,68                                                                              |
| 4300291714      | 05.12.2017   | 18.520,30                                                                              |
| 4300258175      | 26.10.2017   | 18.514,80                                                                              |
| 4300291129      | 01.12.2017   | 18.502,67                                                                              |
| 4300312212      | 22.12.2017   | -18.502,67                                                                             |
| 4300297210      | 07.12.2017   | 18.500,00                                                                              |
| 4300163661      | 08.07.2017   | 18.491,84                                                                              |
| 4300284712      | 27.11.2017   | 18.483,66                                                                              |
| 4300304883      | 18.12.2017   | -18.480,80                                                                             |
| 4300288903      | 24.11.2017   | 18.480,77                                                                              |
| 4300312940      | 22.12.2017   | 18.479,09                                                                              |
| 4300273251      | 14.11.2017   | 18.468,80                                                                              |
| 4300300479      | 08.12.2017   | 18.468,80                                                                              |
| 4300313337      | 21.12.2017   | 18.447,98                                                                              |
| 4800069060      | 21.12.2017   | 18.443,21                                                                              |
| 6000352943      | 13.11.2017   | -18.426,88                                                                             |
| 4300280905      | 14.11.2017   | 18.403,61                                                                              |
| 4300299988      | 08.12.2017   | 18.403,61                                                                              |
| 4300313642      | 28.12.2017   | 18.395,32                                                                              |
| 5200006393      | 01.03.2017   | 18.341,69                                                                              |
| 5200005854      | 28.02.2017   | -18.341,69                                                                             |
| 5200015454      | 01.07.2014   | 18.340,20                                                                              |
| 5200015026      | 30.06.2014   | -18.340,20                                                                             |
| 6000247053      | 10.08.2017   | 18.338,49                                                                              |
| 4300296820      | 06.12.2017   | 18.337,00                                                                              |
| 4300309808      | 19.12.2017   | 18.331,08                                                                              |
| 4300297711      | 07.12.2017   | 18.326,00                                                                              |
| 4300305486      | 14.12.2017   | 18.326,00                                                                              |
| 4300274833      | 16.11.2017   | 18.322,67                                                                              |
| 5200006760      | 01.04.2012   | 18.316,76                                                                              |
| 5200006464      | 31.03.2012   | -18.316,76                                                                             |
| 4300308129      | 16.12.2017   | 18.303,62                                                                              |
| 4300310433      | 20.12.2017   | 18.296,10                                                                              |
| 4300297789      | 07.12.2017   | 18.294,82                                                                              |
| 4300297261      | 22.12.2015   | 18.273,40                                                                              |
| 4300304671      | 14.12.2017   | 18.271,25                                                                              |
| 4300277242      | 21.11.2017   | 18.248,63                                                                              |
| 4300300773      | 08.12.2017   | 18.243,64                                                                              |
| 4300315516      | 20.12.2017   | 18.241,70                                                                              |
| 5200022346      | 01.10.2012   | 18.227,57                                                                              |
| 5200022052      | 30.09.2012   | -18.227,57                                                                             |
| 6000153553      | 23.05.2017   | 18.214,58                                                                              |
| 4300285154      | 16.11.2017   | 18.197,38                                                                              |
| 4500002392      | 19.12.2017   | -18.190,00                                                                             |
| 6000033244      | 06.02.2017   | 18.183,90                                                                              |
| 6000096795      | 22.03.2016   | -18.165,98                                                                             |
| 4300274861      | 16.11.2017   | 18.159,46                                                                              |
| 4300304223      | 14.12.2017   | 18.157,97                                                                              |
| 5200021682      | 01.07.2017   | 18.103,60                                                                              |
| 5200021131      | 30.06.2017   | -18.103,60                                                                             |
| 4300310444      | 20.12.2017   | 18.088,53                                                                              |
| 4300104596      | 28.04.2017   | 18.088,00                                                                              |
| 4300309680      | 19.12.2017   | 18.066,17                                                                              |
| 4000368082      | 21.12.2009   | 18.035,87                                                                              |
| 4300314712      | 28.12.2017   | 17.995,79                                                                              |
| 4300276817      | 14.11.2017   | 17.994,16                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003998      | 29.02.2016   | -17.985,64                                                                             |
| 4300231672      | 06.09.2017   | 17.978,52                                                                              |
| 2782376         | 30.04.2000   | 17.977,75                                                                              |
| 2782377         | 02.05.2000   | -17.977,75                                                                             |
| 4300291718      | 05.12.2017   | 17.974,93                                                                              |
| 4300307658      | 16.12.2017   | 17.967,50                                                                              |
| 4300296817      | 06.12.2017   | 17.955,00                                                                              |
| 4300313216      | 21.12.2017   | 17.951,75                                                                              |
| 5200031889      | 01.12.2013   | 17.947,26                                                                              |
| 5200031534      | 30.11.2013   | -17.947,26                                                                             |
| 4300305911      | 16.12.2017   | 17.878,56                                                                              |
| 4300315731      | 05.12.2017   | 17.850,00                                                                              |
| 4300310348      | 20.12.2017   | 17.835,13                                                                              |
| 5200004098      | 30.06.2006   | -17.820,51                                                                             |
| 5200007938      | 31.12.2007   | 17.817,19                                                                              |
| 4300288304      | 27.11.2017   | 17.812,87                                                                              |
| 2709428         | 31.05.1995   | 17.794,18                                                                              |
| 2709429         | 01.06.1995   | -17.794,18                                                                             |
| 4300306798      | 16.12.2017   | 17.771,91                                                                              |
| 5200029817      | 01.11.2016   | 17.755,58                                                                              |
| 5200029368      | 31.10.2016   | -17.755,58                                                                             |
| 5200008540      | 30.04.2012   | -17.722,27                                                                             |
| 2757833         | 30.06.1991   | 17.712,62                                                                              |
| 2757871         | 01.07.1991   | -17.712,62                                                                             |
| 4300295553      | 07.12.2017   | 17.708,68                                                                              |
| 4300315429      | 01.12.2017   | 17.690,21                                                                              |
| 5200009937      | 01.05.2014   | 17.689,08                                                                              |
| 5200009515      | 30.04.2014   | -17.689,08                                                                             |
| 4300141164      | 14.06.2017   | 17.654,77                                                                              |
| 4300308094      | 18.12.2017   | 17.652,45                                                                              |
| 4300297504      | 08.12.2017   | 17.650,08                                                                              |
| 4300300924      | 06.12.2017   | 17.648,51                                                                              |
| 4300313671      | 26.12.2017   | 17.640,00                                                                              |
| 6000338853      | 04.11.2014   | -17.613,87                                                                             |
| 5200013092      | 01.05.2013   | 17.589,38                                                                              |
| 5200012743      | 30.04.2013   | -17.589,38                                                                             |
| 4300287439      | 20.11.2017   | 17.561,46                                                                              |
| 4300307408      | 16.12.2017   | 17.540,16                                                                              |
| 4300301255      | 09.12.2017   | 17.530,92                                                                              |
| 6000226463      | 09.07.2012   | -17.523,48                                                                             |
| 2784664         | 03.07.2000   | 17.519,57                                                                              |
| 2784663         | 30.06.2000   | -17.519,57                                                                             |
| 4300308235      | 18.12.2017   | 17.510,49                                                                              |
| 4300273762      | 09.11.2017   | 17.500,00                                                                              |
| 4300305271      | 14.12.2017   | 17.494,89                                                                              |
| 4300106385      | 03.05.2017   | 17.481,82                                                                              |
| 5200026776      | 01.10.2016   | 17.475,13                                                                              |
| 5200026323      | 30.09.2016   | -17.475,13                                                                             |
| 5200015456      | 01.07.2014   | 17.471,32                                                                              |
| 5200015028      | 30.06.2014   | -17.471,32                                                                             |
| 6000197629      | 29.06.2015   | -17.457,40                                                                             |
| 4300313413      | 21.12.2017   | 17.452,50                                                                              |
| 5200004290      | 01.03.2014   | 17.435,68                                                                              |
| 5200003891      | 28.02.2014   | -17.435,68                                                                             |
| 4500001160      | 14.05.2009   | -17.366,35                                                                             |
| 5200003169      | 01.02.2013   | 17.364,53                                                                              |
| 5200002830      | 31.01.2013   | -17.364,53                                                                             |
| 5200005242      | 31.07.2009   | 17.358,45                                                                              |
| 5200013089      | 01.05.2013   | 17.322,42                                                                              |
| 5200012740      | 30.04.2013   | -17.322,42                                                                             |
| 6000096036      | 22.03.2016   | -17.306,66                                                                             |
| 4300304756      | 14.12.2017   | 17.303,79                                                                              |
| 4300293224      | 02.12.2017   | 17.294,51                                                                              |
| 4300305340      | 16.12.2017   | 17.282,37                                                                              |
| 4300299626      | 08.12.2017   | 17.278,80                                                                              |
| 4300289747      | 01.12.2017   | 17.273,88                                                                              |
| 4500002991      | 30.08.2005   | 17.266,41                                                                              |
| 4300288942      | 20.11.2017   | 17.221,09                                                                              |
| 5200031385      | 30.11.2015   | -17.217,00                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000379539      | 13.12.2016   | -17.209,09                                                                             |
| 6000342984      | 03.10.2011   | 17.200,67                                                                              |
| 5200002703      | 31.01.2013   | -17.197,16                                                                             |
| 4300274415      | 14.11.2017   | 17.183,47                                                                              |
| 4300309937      | 19.12.2017   | 17.159,80                                                                              |
| 4300288615      | 28.11.2017   | 17.151,56                                                                              |
| 4300312229      | 27.12.2017   | 17.149,80                                                                              |
| 4300285929      | 23.11.2017   | 17.142,46                                                                              |
| 5200001317      | 28.02.2006   | 17.137,09                                                                              |
| 4300292064      | 02.12.2017   | 17.136,84                                                                              |
| 4300315198      | 21.12.2017   | 17.136,84                                                                              |
| 6000292304      | 23.09.2014   | -17.132,22                                                                             |
| 5200001586      | 01.02.2014   | 17.114,88                                                                              |
| 5200001217      | 31.01.2014   | -17.114,88                                                                             |
| 4300267015      | 09.11.2017   | 17.105,92                                                                              |
| 5200029001      | 01.12.2014   | 17.096,22                                                                              |
| 5200028638      | 30.11.2014   | -17.096,22                                                                             |
| 5200004098      | 30.06.2006   | 17.073,99                                                                              |
| 4300288894      | 28.11.2017   | 17.073,30                                                                              |
| 4300307131      | 16.12.2017   | 17.065,17                                                                              |
| 4300297634      | 06.12.2017   | 17.053,38                                                                              |
| 6000130031      | 16.04.2008   | 17.051,84                                                                              |
| 4300295170      | 05.12.2017   | 17.051,37                                                                              |
| 5200004855      | 31.07.2007   | -17.047,28                                                                             |
| 5200010580      | 30.09.2004   | -17.043,23                                                                             |
| 4300293160      | 02.12.2017   | 17.033,18                                                                              |
| 5200000360      | 01.01.2015   | 17.011,17                                                                              |
| 5200031035      | 31.12.2014   | -17.011,17                                                                             |
| 6000068806      | 04.03.2010   | -16.994,99                                                                             |
| 5200021332      | 01.08.2013   | 16.992,81                                                                              |
| 5200020977      | 31.07.2013   | -16.992,81                                                                             |
| 4300276782      | 09.11.2017   | 16.988,20                                                                              |
| 4300308052      | 16.12.2017   | -16.988,20                                                                             |
| 4300307077      | 16.12.2017   | 16.982,05                                                                              |
| 4300285024      | 27.11.2017   | 16.964,64                                                                              |
| 4300306142      | 16.12.2017   | 16.959,21                                                                              |
| 5200011109      | 01.05.2016   | 16.952,37                                                                              |
| 5200010632      | 30.04.2016   | -16.952,37                                                                             |
| 4300150108      | 14.06.2017   | 16.950,79                                                                              |
| 4300208378      | 29.08.2017   | 16.935,78                                                                              |
| 4300304091      | 14.12.2017   | 16.924,77                                                                              |
| 4300304612      | 14.12.2017   | 16.913,86                                                                              |
| 6000085565      | 23.03.2017   | -16.907,52                                                                             |
| 5200004093      | 31.05.2005   | -16.904,26                                                                             |
| 5200007365      | 31.10.2009   | -16.888,38                                                                             |
| 4300284522      | 21.11.2017   | 16.886,64                                                                              |
| 4300294081      | 04.12.2017   | 16.863,84                                                                              |
| 5200035882      | 01.11.2017   | 16.862,83                                                                              |
| 5200035331      | 31.10.2017   | -16.862,83                                                                             |
| 5200010259      | 30.04.2016   | 16.861,50                                                                              |
| 4300313235      | 27.12.2017   | 16.858,02                                                                              |
| 4300313452      | 01.12.2017   | 16.858,02                                                                              |
| 4300306801      | 16.12.2017   | 16.814,99                                                                              |
| 6000058686      | 28.02.2017   | 16.808,23                                                                              |
| 5200000918      | 31.01.2005   | -16.799,85                                                                             |
| 4300309532      | 21.12.2017   | 16.777,00                                                                              |
| 4300160856      | 21.08.2017   | 16.772,38                                                                              |
| 4300288699      | 24.11.2017   | 16.767,28                                                                              |
| 4300285492      | 17.11.2017   | 16.745,82                                                                              |
| 6000068252      | 07.03.2017   | -16.734,98                                                                             |
| 5200002252      | 31.03.2010   | 16.722,37                                                                              |
| 4300289423      | 01.12.2017   | 16.717,42                                                                              |
| 5200007158      | 01.04.2014   | 16.690,46                                                                              |
| 5200006754      | 31.03.2014   | -16.690,46                                                                             |
| 2788230         | 30.11.1993   | 16.681,84                                                                              |
| 2788231         | 01.12.1993   | -16.681,84                                                                             |
| 4300287489      | 23.11.2017   | 16.676,04                                                                              |
| 6000370355      | 30.11.2015   | -16.669,96                                                                             |
| 4300254424      | 02.11.2017   | 16.662,09                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300273633      | 14.11.2017   | 16.660,20                                                                              |
| 4300302871      | 08.12.2017   | 16.660,20                                                                              |
| 6000210741      | 09.07.2013   | -16.642,19                                                                             |
| 4300291711      | 05.12.2017   | 16.610,57                                                                              |
| 5200009286      | 30.04.2014   | 16.605,45                                                                              |
| 4300283078      | 27.11.2017   | 16.587,65                                                                              |
| 4300312674      | 20.12.2017   | 16.587,65                                                                              |
| 4300303949      | 14.12.2017   | 16.585,19                                                                              |
| 4300299593      | 08.12.2017   | 16.583,84                                                                              |
| 6000248279      | 14.08.2017   | 16.574,11                                                                              |
| 5200006324      | 01.03.2017   | 16.567,90                                                                              |
| 5200005785      | 28.02.2017   | -16.567,90                                                                             |
| 5200030763      | 31.12.2012   | 16.556,26                                                                              |
| 4300295514      | 05.12.2017   | 16.552,50                                                                              |
| 5200008978      | 31.07.2004   | 16.549,11                                                                              |
| 4300144388      | 26.06.2015   | -16.545,59                                                                             |
| 4300189715      | 08.09.2017   | 16.528,00                                                                              |
| 4300284595      | 20.11.2017   | 16.520,00                                                                              |
| 4300227284      | 09.10.2017   | 16.513,20                                                                              |
| 4300305289      | 14.12.2017   | 16.512,08                                                                              |
| 4300252782      | 24.10.2017   | -16.502,95                                                                             |
| 5200033631      | 31.12.2015   | -16.482,04                                                                             |
| 5200007603      | 01.03.2013   | 16.464,00                                                                              |
| 5200007272      | 28.02.2013   | -16.464,00                                                                             |
| 4300314515      | 22.12.2017   | 16.450,00                                                                              |
| 5200000503      | 01.01.2012   | 16.431,34                                                                              |
| 5200020032      | 31.12.2011   | -16.431,34                                                                             |
| 5200032939      | 01.12.2016   | 16.422,17                                                                              |
| 5200032475      | 30.11.2016   | -16.422,17                                                                             |
| 4300307081      | 16.12.2017   | 16.422,00                                                                              |
| 5200022905      | 31.08.2016   | -16.404,17                                                                             |
| 4300312441      | 22.12.2017   | 16.400,62                                                                              |
| 6000091462      | 14.03.2011   | 16.398,37                                                                              |
| 5200007537      | 01.03.2013   | 16.396,91                                                                              |
| 5200007206      | 28.02.2013   | -16.396,91                                                                             |
| 5200026594      | 01.10.2013   | 16.395,99                                                                              |
| 5200026227      | 30.09.2013   | -16.395,99                                                                             |
| 4300309281      | 18.12.2017   | 16.387,80                                                                              |
| 4300305167      | 14.12.2017   | 16.375,35                                                                              |
| 4300309899      | 18.12.2017   | 16.367,74                                                                              |
| 4300307862      | 16.12.2017   | 16.366,26                                                                              |
| 4000034104      | 10.02.2009   | -16.364,45                                                                             |
| 4300297770      | 04.12.2017   | 16.363,19                                                                              |
| 4300296597      | 06.12.2017   | 16.358,28                                                                              |
| 4300299565      | 09.12.2017   | 16.328,30                                                                              |
| 5200000518      | 01.01.2012   | 16.321,00                                                                              |
| 5200020047      | 31.12.2011   | -16.321,00                                                                             |
| 5200000303      | 31.01.2009   | -16.305,83                                                                             |
| 5200029252      | 01.11.2013   | 16.303,82                                                                              |
| 5200028911      | 31.10.2013   | -16.303,82                                                                             |
| 4300308591      | 16.12.2017   | 16.301,81                                                                              |
| 5200003471      | 31.05.2007   | 16.300,82                                                                              |
| 4300309708      | 18.12.2017   | 16.299,66                                                                              |
| 4300312462      | 27.12.2017   | 16.299,22                                                                              |
| 5200009144      | 01.05.2012   | 16.263,46                                                                              |
| 5200008866      | 30.04.2012   | -16.263,46                                                                             |
| 4300309259      | 18.12.2017   | 16.236,00                                                                              |
| 4300315056      | 13.12.2017   | 16.234,92                                                                              |
| 4300281016      | 22.11.2017   | 16.195,68                                                                              |
| 5200029010      | 01.12.2014   | 16.182,57                                                                              |
| 5200028647      | 30.11.2014   | -16.182,57                                                                             |
| 6000397579      | 22.12.2015   | -16.151,52                                                                             |
| 5200014983      | 01.06.2015   | 16.130,49                                                                              |
| 5200014593      | 31.05.2015   | -16.130,49                                                                             |
| 5200029347      | 01.11.2013   | 16.130,45                                                                              |
| 5200029006      | 31.10.2013   | -16.130,45                                                                             |
| 4300302874      | 07.12.2017   | 16.108,08                                                                              |
| 6000165142      | 01.06.2015   | 16.096,11                                                                              |
| 4300307872      | 20.12.2017   | 16.088,83                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300287199      | 16.11.2017   | 16.082,20                                                                              |
| 5200017630      | 01.07.2015   | 16.074,10                                                                              |
| 5200017278      | 30.06.2015   | -16.074,10                                                                             |
| 5200029253      | 01.11.2013   | 16.067,61                                                                              |
| 5200028912      | 31.10.2013   | -16.067,61                                                                             |
| 4300297683      | 07.12.2017   | 16.065,00                                                                              |
| 5200020459      | 01.08.2015   | 16.062,91                                                                              |
| 5200020092      | 31.07.2015   | -16.062,91                                                                             |
| 5200003285      | 01.02.2013   | 16.042,76                                                                              |
| 5200002945      | 31.01.2013   | -16.042,76                                                                             |
| 4300264458      | 03.11.2017   | 16.000,00                                                                              |
| 4300304933      | 15.12.2017   | 16.000,00                                                                              |
| 4300281181      | 21.11.2017   | 15.919,90                                                                              |
| 5200017983      | 01.06.2017   | 15.903,41                                                                              |
| 5200017429      | 31.05.2017   | -15.903,41                                                                             |
| 4300302260      | 08.12.2017   | 15.902,66                                                                              |
| 5200009055      | 01.05.2012   | 15.873,35                                                                              |
| 5200008777      | 30.04.2012   | -15.873,35                                                                             |
| 4300270765      | 10.11.2017   | 15.868,65                                                                              |
| 4300297826      | 05.12.2017   | 15.868,65                                                                              |
| 5200023824      | 01.10.2014   | 15.864,05                                                                              |
| 5200023499      | 30.09.2014   | -15.864,05                                                                             |
| 2780265         | 01.03.2000   | 15.854,42                                                                              |
| 2780264         | 29.02.2000   | -15.854,42                                                                             |
| 4300304995      | 14.12.2017   | 15.827,00                                                                              |
| 5200026425      | 01.10.2015   | 15.822,22                                                                              |
| 5200026011      | 30.09.2015   | -15.822,22                                                                             |
| 4300297479      | 07.12.2017   | 15.820,99                                                                              |
| 4300281122      | 21.11.2017   | 15.819,29                                                                              |
| 5200003119      | 30.04.2008   | -15.815,18                                                                             |
| 5200042057      | 31.12.2017   | -15.813,83                                                                             |
| 4300294130      | 07.12.2017   | 15.791,30                                                                              |
| 4300288890      | 28.11.2017   | 15.778,29                                                                              |
| 4300291713      | 05.12.2017   | 15.773,72                                                                              |
| 4300283657      | 07.12.2017   | 15.745,20                                                                              |
| 4300297631      | 06.12.2017   | 15.740,73                                                                              |
| 5200040409      | 01.12.2017   | 15.739,22                                                                              |
| 5200039864      | 30.11.2017   | -15.739,22                                                                             |
| 4300313982      | 21.12.2017   | 15.732,50                                                                              |
| 4300108040      | 29.05.2017   | 15.730,50                                                                              |
| 4300298410      | 08.12.2017   | 15.727,57                                                                              |
| 6000256297      | 21.08.2017   | 15.718,93                                                                              |
| 5200029240      | 01.11.2013   | 15.710,17                                                                              |
| 5200028899      | 31.10.2013   | -15.710,17                                                                             |
| 4300281122      | 21.11.2017   | 15.703,26                                                                              |
| 5200028807      | 01.12.2012   | 15.686,45                                                                              |
| 5200028498      | 30.11.2012   | -15.686,45                                                                             |
| 5200004736      | 30.06.2005   | 15.684,43                                                                              |
| 5200014918      | 01.06.2015   | 15.683,33                                                                              |
| 5200014528      | 31.05.2015   | -15.683,33                                                                             |
| 4300307411      | 16.12.2017   | 15.669,55                                                                              |
| 4300295101      | 05.12.2017   | 15.668,32                                                                              |
| 4300313240      | 27.12.2017   | 15.640,01                                                                              |
| 5200004796      | 01.03.2015   | 15.631,46                                                                              |
| 5200004366      | 28.02.2015   | -15.631,46                                                                             |
| 4300309829      | 18.12.2017   | 15.611,30                                                                              |
| 4300135302      | 08.06.2016   | 15.607,47                                                                              |
| 5200026686      | 01.10.2013   | 15.604,73                                                                              |
| 5200026319      | 30.09.2013   | -15.604,73                                                                             |
| 5200023704      | 01.10.2014   | 15.598,48                                                                              |
| 5200023379      | 30.09.2014   | -15.598,48                                                                             |
| 5200018522      | 01.08.2014   | 15.580,46                                                                              |
| 5200018099      | 31.07.2014   | -15.580,46                                                                             |
| 5200023994      | 01.09.2013   | 15.579,46                                                                              |
| 5200023642      | 31.08.2013   | -15.579,46                                                                             |
| 4300280075      | 21.11.2017   | 15.568,77                                                                              |
| 5200000387      | 01.01.2017   | 15.548,74                                                                              |
| 5200034294      | 31.12.2016   | -15.548,74                                                                             |
| 6000095541      | 30.03.2015   | -15.544,58                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300300842      | 08.12.2017   | 15.543,67                                                                              |
| 5200001959      | 31.03.2006   | -15.529,88                                                                             |
| 5200023894      | 01.09.2013   | 15.492,69                                                                              |
| 5200023542      | 31.08.2013   | -15.492,69                                                                             |
| 6000124942      | 17.04.2009   | -15.489,73                                                                             |
| 5200020226      | 01.09.2012   | 15.481,84                                                                              |
| 5200019940      | 31.08.2012   | -15.481,84                                                                             |
| 4300288185      | 10.11.2017   | 15.478,93                                                                              |
| 6000229449      | 27.07.2015   | -15.471,07                                                                             |
| 2781411         | 31.03.2000   | 15.464,81                                                                              |
| 2781412         | 03.04.2000   | -15.464,81                                                                             |
| 4300301277      | 14.12.2017   | 15.453,60                                                                              |
| 5200020328      | 01.09.2012   | 15.453,10                                                                              |
| 5200020042      | 31.08.2012   | -15.453,10                                                                             |
| 4300273245      | 15.11.2017   | 15.452,08                                                                              |
| 4300295022      | 04.12.2017   | 15.450,00                                                                              |
| 4300299227      | 08.12.2017   | 15.445,38                                                                              |
| 4300310515      | 22.12.2017   | 15.443,81                                                                              |
| 4300314010      | 28.12.2017   | 15.442,78                                                                              |
| 5200007456      | 31.10.2008   | 15.441,79                                                                              |
| 4300299621      | 08.12.2017   | 15.431,96                                                                              |
| 4300304805      | 14.12.2017   | 15.431,87                                                                              |
| 4800068337      | 19.12.2017   | 15.405,34                                                                              |
| 4300297551      | 06.12.2017   | 15.400,61                                                                              |
| 4300302251      | 14.12.2017   | 15.398,37                                                                              |
| 5200005682      | 31.05.2011   | 15.391,71                                                                              |
| 5200035810      | 01.11.2017   | 15.375,03                                                                              |
| 5200035259      | 31.10.2017   | -15.375,03                                                                             |
| 4300310581      | 21.12.2017   | 15.371,48                                                                              |
| 2730653         | 02.01.1997   | 15.344,16                                                                              |
| 2730652         | 31.12.1996   | -15.344,16                                                                             |
| 4300289513      | 01.12.2017   | 15.334,20                                                                              |
| 4300277638      | 16.11.2017   | 15.330,00                                                                              |
| 6000322448      | 21.10.2014   | -15.300,81                                                                             |
| 4300275245      | 16.11.2017   | 15.295,96                                                                              |
| 4300112581      | 11.05.2017   | 15.292,08                                                                              |
| 5200033620      | 31.12.2015   | -15.290,68                                                                             |
| 4300314289      | 21.12.2017   | 15.284,84                                                                              |
| 4300163278      | 21.08.2017   | 15.277,13                                                                              |
| 6000377900      | 12.12.2016   | -15.256,54                                                                             |
| 5200001596      | 28.02.2009   | -15.254,78                                                                             |
| 4800069062      | 21.12.2017   | 15.254,51                                                                              |
| 4300310584      | 20.12.2017   | 15.239,03                                                                              |
| 5200006035      | 30.09.2006   | 15.204,68                                                                              |
| 6000065675      | 03.03.2015   | -15.195,23                                                                             |
| 4300276833      | 06.11.2017   | 15.184,57                                                                              |
| 4300293344      | 05.12.2017   | 15.178,35                                                                              |
| 4300297642      | 06.12.2017   | 15.146,59                                                                              |
| 4300297716      | 07.12.2017   | 15.145,23                                                                              |
| 4300293167      | 02.12.2017   | 15.141,26                                                                              |
| 4000380236      | 14.12.2017   | 15.124,97                                                                              |
| 5200012186      | 01.05.2015   | 15.120,39                                                                              |
| 5200011773      | 30.04.2015   | -15.120,39                                                                             |
| 2731905         | 03.02.1997   | 15.104,46                                                                              |
| 2731904         | 31.01.1997   | -15.104,46                                                                             |
| 4300296939      | 11.12.2017   | 15.089,20                                                                              |
| 4300287697      | 10.11.2017   | 15.086,23                                                                              |
| 4300282724      | 22.11.2017   | 15.086,15                                                                              |
| 4300304418      | 14.12.2017   | 15.086,13                                                                              |
| 4300304396      | 14.12.2017   | 15.085,92                                                                              |
| 4300305492      | 14.12.2017   | 15.083,25                                                                              |
| 4300182636      | 08.09.2017   | 15.080,87                                                                              |
| 4300299217      | 12.12.2017   | 15.069,98                                                                              |
| 4300274838      | 16.11.2017   | 15.062,60                                                                              |
| 5200006664      | 30.06.2003   | 15.056,03                                                                              |
| 5200004280      | 01.03.2014   | 15.044,44                                                                              |
| 5200003881      | 28.02.2014   | -15.044,44                                                                             |
| 4300271490      | 07.11.2017   | 15.030,37                                                                              |
| 4300277927      | 20.11.2017   | 15.030,00                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014839      | 01.07.2012   | 15.018,95                                                                              |
| 5200014549      | 30.06.2012   | -15.018,95                                                                             |
| 2700476         | 30.11.2000   | 15.001,58                                                                              |
| 2700477         | 01.12.2000   | -15.001,58                                                                             |
| 4300268922      | 06.11.2017   | 15.000,00                                                                              |
| 4300277368      | 17.11.2017   | 15.000,00                                                                              |
| 4300297601      | 07.12.2017   | 15.000,00                                                                              |
| 4300313161      | 27.12.2017   | 15.000,00                                                                              |
| 4300310558      | 19.12.2017   | 15.000,00                                                                              |
| 4300307007      | 08.12.2017   | 15.000,00                                                                              |
| 4300298740      | 08.12.2017   | 15.000,00                                                                              |
| 4300308357      | 07.12.2017   | -15.000,00                                                                             |
| 5200006256      | 01.03.2017   | 14.985,72                                                                              |
| 5200005717      | 28.02.2017   | -14.985,72                                                                             |
| 4300314497      | 22.12.2017   | 14.971,00                                                                              |
| 5200004165      | 30.06.2009   | -14.941,74                                                                             |
| 4300288193      | 29.11.2017   | 14.940,45                                                                              |
| 4300312118      | 21.12.2017   | 14.931,65                                                                              |
| 4300299392      | 09.12.2017   | 14.921,03                                                                              |
| 4300108728      | 01.06.2017   | 14.911,10                                                                              |
| 5200016210      | 30.06.2016   | 14.910,44                                                                              |
| 5200025831      | 30.09.2016   | 14.883,63                                                                              |
| 5200006776      | 01.04.2012   | 14.878,40                                                                              |
| 5200006480      | 31.03.2012   | -14.878,40                                                                             |
| 4300289593      | 01.12.2017   | 14.878,07                                                                              |
| 4300288901      | 27.11.2017   | 14.872,68                                                                              |
| 5200022909      | 31.08.2016   | -14.870,43                                                                             |
| 5200001604      | 01.02.2014   | 14.870,13                                                                              |
| 5200001235      | 31.01.2014   | -14.870,13                                                                             |
| 5200032143      | 01.10.2017   | 14.854,59                                                                              |
| 5200031590      | 30.09.2017   | -14.854,59                                                                             |
| 4300282197      | 23.11.2017   | 14.837,54                                                                              |
| 4300227274      | 02.10.2017   | 14.829,02                                                                              |
| 4300298677      | 01.12.2017   | 14.828,00                                                                              |
| 4300308128      | 16.12.2017   | 14.826,07                                                                              |
| 4300310955      | 20.12.2017   | 14.807,20                                                                              |
| 5200021384      | 01.08.2013   | 14.799,94                                                                              |
| 5200021029      | 31.07.2013   | -14.799,94                                                                             |
| 5200034958      | 31.10.2017   | 14.797,73                                                                              |
| 4300296503      | 06.12.2017   | 14.787,68                                                                              |
| 4300268896      | 08.11.2017   | 14.775,04                                                                              |
| 4300300584      | 13.12.2017   | 14.775,04                                                                              |
| 5200005242      | 31.07.2009   | -14.761,91                                                                             |
| 4300298311      | 12.12.2017   | 14.756,00                                                                              |
| 4800064317      | 01.12.2017   | 14.754,72                                                                              |
| 5200039544      | 30.11.2017   | 14.752,28                                                                              |
| 4300128494      | 08.06.2017   | 14.747,75                                                                              |
| 4300273149      | 08.11.2017   | 14.746,20                                                                              |
| 4300310538      | 20.12.2017   | 14.730,02                                                                              |
| 4300297714      | 07.12.2017   | 14.726,25                                                                              |
| 4300299385      | 12.12.2017   | 14.723,76                                                                              |
| 4300290988      | 04.12.2017   | 14.700,00                                                                              |
| 4300315513      | 28.12.2017   | 14.699,72                                                                              |
| 6000188962      | 14.06.2010   | -14.696,89                                                                             |
| 5200011403      | 31.10.2004   | -14.690,60                                                                             |
| 5200032875      | 01.12.2016   | 14.689,14                                                                              |
| 5200032411      | 30.11.2016   | -14.689,14                                                                             |
| 4300156164      | 03.07.2017   | 14.679,13                                                                              |
| 5200023234      | 01.09.2015   | 14.673,17                                                                              |
| 5200022855      | 31.08.2015   | -14.673,17                                                                             |
| 4300301569      | 09.12.2017   | 14.663,86                                                                              |
| 4300036275      | 10.02.2016   | -14.627,66                                                                             |
| 5200001586      | 29.02.2008   | 14.555,28                                                                              |
| 4300260112      | 01.11.2017   | 14.555,28                                                                              |
| 4300290483      | 04.12.2017   | 14.555,28                                                                              |
| 6000132754      | 04.05.2017   | 14.555,05                                                                              |
| 5200001527      | 01.02.2014   | 14.524,66                                                                              |
| 5200001158      | 31.01.2014   | -14.524,66                                                                             |
| 5200017622      | 01.07.2015   | 14.512,57                                                                              |

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| 5200017270      | 30.06.2015   | -14.512,57                                                                             |
| 4300310878      | 18.12.2017   | 14.499,24                                                                              |
| 4300288891      | 29.11.2017   | 14.492,40                                                                              |
| 4300312687      | 21.12.2017   | 14.490,63                                                                              |
| 4300157664      | 04.07.2017   | 14.483,91                                                                              |
| 4300203329      | 24.08.2017   | 14.459,47                                                                              |
| 5200032178      | 01.12.2015   | 14.442,71                                                                              |
| 5200031775      | 30.11.2015   | -14.442,71                                                                             |
| 6000263090      | 26.08.2014   | -14.440,36                                                                             |
| 4300308093      | 18.12.2017   | 14.415,45                                                                              |
| 5200004736      | 30.06.2005   | -14.411,75                                                                             |
| 6000244852      | 05.09.2007   | 14.400,11                                                                              |
| 4300299509      | 09.12.2017   | 14.399,00                                                                              |
| 4300284703      | 27.11.2017   | 14.394,57                                                                              |
| 5200010382      | 01.04.2013   | 14.388,82                                                                              |
| 5200010041      | 31.03.2013   | -14.388,82                                                                             |
| 2730650         | 31.12.1996   | 14.377,02                                                                              |
| 2730651         | 02.01.1997   | -14.377,02                                                                             |
| 4300307391      | 15.12.2017   | 14.361,16                                                                              |
| 5200010781      | 30.06.2011   | -14.344,57                                                                             |
| 5200034844      | 31.10.2017   | 14.330,79                                                                              |
| 5200013037      | 02.05.2017   | 14.327,85                                                                              |
| 4300297475      | 07.12.2017   | 14.309,75                                                                              |
| 5200022251      | 01.10.2012   | 14.302,00                                                                              |
| 5200021957      | 30.09.2012   | -14.302,00                                                                             |
| 4300077100      | 05.04.2017   | 14.292,29                                                                              |
| 4300310980      | 20.12.2017   | 14.291,32                                                                              |
| 6000367779      | 25.11.2015   | -14.280,17                                                                             |
| 4300294026      | 05.12.2017   | 14.280,00                                                                              |
| 4300293664      | 05.12.2017   | 14.280,00                                                                              |
| 4300288419      | 30.11.2017   | 14.280,00                                                                              |
| 5200014789      | 01.07.2012   | 14.261,82                                                                              |
| 5200014499      | 30.06.2012   | -14.261,82                                                                             |
| 2739816         | 02.06.1997   | 14.251,92                                                                              |
| 2739815         | 31.05.1997   | -14.251,92                                                                             |
| 4300290600      | 04.12.2017   | 14.232,92                                                                              |
| 4300205012      | 18.08.2017   | 14.231,97                                                                              |
| 5200009116      | 01.05.2012   | 14.229,60                                                                              |
| 5200012163      | 01.06.2012   | 14.229,60                                                                              |
| 5200008838      | 30.04.2012   | -14.229,60                                                                             |
| 5200011889      | 31.05.2012   | -14.229,60                                                                             |
| 6000036681      | 04.02.2009   | -14.227,29                                                                             |
| 5200007127      | 01.04.2014   | 14.219,45                                                                              |
| 5200006723      | 31.03.2014   | -14.219,45                                                                             |
| 5200027583      | 31.08.2017   | 14.209,75                                                                              |
| 4300302536      | 08.12.2017   | 14.209,62                                                                              |
| 5200011479      | 30.04.2015   | 14.209,03                                                                              |
| 5200018416      | 01.07.2013   | 14.201,48                                                                              |
| 5200018040      | 30.06.2013   | -14.201,48                                                                             |
| 6000191443      | 26.06.2017   | 14.199,98                                                                              |
| 4800069056      | 21.12.2017   | 14.196,54                                                                              |
| 5200018417      | 01.07.2013   | 14.193,63                                                                              |
| 5200018041      | 30.06.2013   | -14.193,63                                                                             |
| 4300268540      | 13.11.2017   | 14.189,64                                                                              |
| 4300299604      | 08.12.2017   | 14.172,54                                                                              |
| 4300278952      | 20.11.2017   | 14.157,91                                                                              |
| 4300281426      | 14.11.2017   | 14.144,01                                                                              |
| 4300165035      | 10.07.2017   | 14.142,15                                                                              |
| 4300280946      | 21.11.2017   | 14.129,08                                                                              |
| 4300309981      | 16.12.2017   | 14.120,06                                                                              |
| 6000228874      | 25.07.2017   | 14.104,33                                                                              |
| 4300310535      | 19.12.2017   | 14.098,37                                                                              |
| 5200004659      | 01.03.2015   | 14.084,23                                                                              |
| 5200004229      | 28.02.2015   | -14.084,23                                                                             |
| 4300313605      | 27.12.2017   | 14.067,06                                                                              |
| 4300315532      | 29.12.2017   | 14.065,00                                                                              |
| 4300291571      | 05.12.2017   | 14.054,51                                                                              |
| 4300280904      | 21.11.2017   | 14.026,22                                                                              |
| 5200007093      | 01.04.2014   | 14.022,16                                                                              |

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**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006689      | 31.03.2014   | -14.022,16                                                                             |
| 6000119719      | 21.04.2015   | 14.014,46                                                                              |
| 4300309685      | 18.12.2017   | 14.006,80                                                                              |
| 6000270649      | 01.09.2015   | -13.985,61                                                                             |
| 6000081151      | 17.03.2015   | -13.967,52                                                                             |
| 6000222919      | 13.07.2009   | 13.959,69                                                                              |
| 4300287526      | 27.11.2017   | 13.958,46                                                                              |
| 6000429099      | 17.12.2010   | -13.955,84                                                                             |
| 5200015065      | 01.06.2015   | 13.952,94                                                                              |
| 5200014675      | 31.05.2015   | -13.952,94                                                                             |
| 5200026338      | 01.11.2014   | 13.952,54                                                                              |
| 5200025985      | 31.10.2014   | -13.952,54                                                                             |
| 5200009101      | 01.05.2012   | 13.950,76                                                                              |
| 5200008823      | 30.04.2012   | -13.950,76                                                                             |
| 5200008152      | 30.11.2008   | -13.925,77                                                                             |
| 5200020235      | 01.09.2012   | 13.912,42                                                                              |
| 5200019949      | 31.08.2012   | -13.912,42                                                                             |
| 4000206608      | 26.06.2014   | -13.911,46                                                                             |
| 2787937         | 31.10.1993   | 13.910,48                                                                              |
| 2787938         | 01.11.1993   | -13.910,48                                                                             |
| 4300311421      | 21.12.2017   | 13.906,63                                                                              |
| 4300306734      | 19.12.2017   | 13.906,30                                                                              |
| 2743325         | 31.08.1997   | 13.886,83                                                                              |
| 2743326         | 01.09.1997   | -13.886,83                                                                             |
| 5200021278      | 01.08.2013   | 13.880,87                                                                              |
| 5200020923      | 31.07.2013   | -13.880,87                                                                             |
| 6000118060      | 20.04.2015   | -13.875,88                                                                             |
| 4300299991      | 13.12.2017   | -13.852,07                                                                             |
| 5200007159      | 01.04.2014   | 13.839,57                                                                              |
| 5200006755      | 31.03.2014   | -13.839,57                                                                             |
| 5200002494      | 01.07.2001   | 13.830,31                                                                              |
| 5200002307      | 30.06.2001   | -13.830,31                                                                             |
| 5200004566      | 30.04.2003   | -13.828,53                                                                             |
| 4500002148      | 30.11.2017   | 13.827,73                                                                              |
| 4300288558      | 27.11.2017   | 13.825,90                                                                              |
| 4300287465      | 24.11.2017   | 13.823,04                                                                              |
| 4300312938      | 20.12.2017   | 13.823,04                                                                              |
| 4300310005      | 18.12.2017   | 13.819,47                                                                              |
| 4300310785      | 16.12.2017   | 13.819,47                                                                              |
| 5200020238      | 01.09.2012   | 13.811,76                                                                              |
| 5200019952      | 31.08.2012   | -13.811,76                                                                             |
| 6000212010      | 11.07.2017   | 13.807,06                                                                              |
| 4300304102      | 14.12.2017   | 13.804,00                                                                              |
| 4300315361      | 28.12.2017   | 13.776,65                                                                              |
| 4300308196      | 20.12.2017   | -13.776,65                                                                             |
| 4300292002      | 01.12.2017   | 13.767,63                                                                              |
| 5200015224      | 31.05.2013   | 13.767,19                                                                              |
| 2779065         | 01.02.2000   | 13.758,73                                                                              |
| 2779064         | 31.01.2000   | -13.758,73                                                                             |
| 4300305495      | 14.12.2017   | 13.756,20                                                                              |
| 6000409847      | 27.12.2017   | 13.753,05                                                                              |
| 5200040418      | 01.12.2017   | 13.746,66                                                                              |
| 5200039873      | 30.11.2017   | -13.746,66                                                                             |
| 4300268534      | 13.11.2017   | 13.744,09                                                                              |
| 5200031777      | 01.12.2013   | 13.741,30                                                                              |
| 5200031422      | 30.11.2013   | -13.741,30                                                                             |
| 5200020375      | 01.08.2015   | 13.736,18                                                                              |
| 5200020008      | 31.07.2015   | -13.736,18                                                                             |
| 4300309936      | 19.12.2017   | 13.727,84                                                                              |
| 5200032212      | 01.10.2017   | 13.724,16                                                                              |
| 5200031659      | 30.09.2017   | -13.724,16                                                                             |
| 4300306076      | 16.12.2017   | 13.723,80                                                                              |
| 4300307414      | 16.12.2017   | 13.718,52                                                                              |
| 4300315590      | 13.12.2017   | 13.712,10                                                                              |
| 4300281132      | 08.11.2017   | 13.708,80                                                                              |
| 5200020774      | 01.08.2016   | 13.667,25                                                                              |
| 5200020309      | 31.07.2016   | -13.667,25                                                                             |
| 5200031300      | 30.11.2013   | 13.662,75                                                                              |
| 5200023946      | 01.09.2013   | 13.650,86                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023594      | 31.08.2013   | -13.650,86                                                                             |
| 4300293683      | 06.12.2017   | 13.649,30                                                                              |
| 5200014776      | 01.06.2016   | 13.642,55                                                                              |
| 5200014308      | 31.05.2016   | -13.642,55                                                                             |
| 5200017576      | 01.08.2012   | 13.607,61                                                                              |
| 5200017290      | 31.07.2012   | -13.607,61                                                                             |
| 4300295356      | 04.12.2017   | 13.605,27                                                                              |
| 4300315502      | 28.12.2017   | 13.593,84                                                                              |
| 5200031890      | 01.12.2013   | 13.582,63                                                                              |
| 5200031535      | 30.11.2013   | -13.582,63                                                                             |
| 5200000524      | 01.01.2013   | 13.571,88                                                                              |
| 5200030907      | 31.12.2012   | -13.571,88                                                                             |
| 4300271076      | 12.11.2017   | 13.571,71                                                                              |
| 4300302923      | 13.12.2017   | 13.557,84                                                                              |
| 5200007945      | 01.04.2015   | 13.541,25                                                                              |
| 5200007543      | 31.03.2015   | -13.541,25                                                                             |
| 4300278235      | 08.11.2017   | 13.530,30                                                                              |
| 4300309109      | 16.12.2017   | 13.530,25                                                                              |
| 5200003253      | 01.02.2013   | 13.511,68                                                                              |
| 5200002913      | 31.01.2013   | -13.511,68                                                                             |
| 6000190428      | 15.06.2010   | 13.508,41                                                                              |
| 4300298918      | 11.12.2017   | 13.506,00                                                                              |
| 4300291716      | 05.12.2017   | 13.503,22                                                                              |
| 4300306245      | 16.12.2017   | 13.485,50                                                                              |
| 4300287895      | 24.11.2017   | 13.469,57                                                                              |
| 4300282358      | 21.12.2017   | 13.468,00                                                                              |
| 4300291041      | 04.12.2017   | 13.465,68                                                                              |
| 5200000402      | 01.05.2001   | 13.446,34                                                                              |
| 5200000229      | 30.04.2001   | -13.446,34                                                                             |
| 6000000153      | 03.01.2017   | -13.444,68                                                                             |
| 4300309455      | 06.12.2017   | 13.433,40                                                                              |
| 4300298856      | 06.12.2017   | 13.422,00                                                                              |
| 4300296166      | 06.12.2017   | 13.420,72                                                                              |
| 4300307600      | 14.12.2017   | 13.397,39                                                                              |
| 4300306233      | 16.12.2017   | 13.389,65                                                                              |
| 4300287457      | 18.11.2017   | 13.387,50                                                                              |
| 4300304181      | 14.12.2017   | 13.387,50                                                                              |
| 5200008540      | 30.04.2012   | 13.368,10                                                                              |
| 2742244         | 31.07.1997   | 13.364,86                                                                              |
| 2742245         | 01.08.1997   | -13.364,86                                                                             |
| 6000182651      | 16.06.2015   | -13.361,82                                                                             |
| 4300300280      | 12.12.2017   | 13.351,80                                                                              |
| 5200020281      | 01.09.2012   | 13.349,52                                                                              |
| 5200019995      | 31.08.2012   | -13.349,52                                                                             |
| 4300291841      | 05.12.2017   | 13.341,16                                                                              |
| 4000138951      | 23.12.2004   | 13.336,48                                                                              |
| 6000202795      | 04.07.2017   | 13.335,93                                                                              |
| 4300274434      | 15.11.2017   | 13.327,16                                                                              |
| 6000000015      | 04.01.2016   | -13.325,97                                                                             |
| 4300285732      | 19.12.2017   | 13.320,00                                                                              |
| 4300285735      | 19.12.2017   | 13.320,00                                                                              |
| 5200019781      | 03.08.2015   | -13.317,65                                                                             |
| 4300314309      | 28.12.2017   | 13.316,36                                                                              |
| 4300311327      | 27.12.2017   | 13.308,93                                                                              |
| 6000025270      | 25.01.2016   | 13.306,59                                                                              |
| 4300274839      | 16.11.2017   | 13.304,82                                                                              |
| 6000274745      | 05.09.2017   | 13.301,89                                                                              |
| 5200032165      | 01.12.2015   | 13.276,25                                                                              |
| 5200031762      | 30.11.2015   | -13.276,25                                                                             |
| 4300307848      | 20.12.2017   | 13.269,12                                                                              |
| 4300314337      | 21.12.2017   | 13.268,50                                                                              |
| 4300310677      | 19.12.2017   | 13.265,00                                                                              |
| 4300295550      | 07.12.2017   | 13.257,95                                                                              |
| 4300295560      | 07.12.2017   | 13.257,47                                                                              |
| 4300249631      | 17.10.2017   | 13.254,63                                                                              |
| 4300258755      | 25.10.2017   | 13.254,63                                                                              |
| 4300284825      | 21.11.2017   | 13.254,63                                                                              |
| 4300284927      | 21.11.2017   | 13.254,63                                                                              |
| 4300203974      | 25.08.2017   | 13.253,63                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300314311      | 28.12.2017   | 13.253,60                                                                              |
| 5200018380      | 01.08.2014   | 13.249,74                                                                              |
| 5200017957      | 31.07.2014   | -13.249,74                                                                             |
| 4300281077      | 21.11.2017   | 13.241,78                                                                              |
| 4300313286      | 06.12.2017   | 13.230,77                                                                              |
| 4300110301      | 09.05.2017   | 13.212,49                                                                              |
| 6000119807      | 14.04.2009   | 13.210,48                                                                              |
| 4300310516      | 20.12.2017   | 13.203,80                                                                              |
| 9900000126      | 11.12.2001   | -13.202,48                                                                             |
| 4300302639      | 06.12.2017   | 13.200,00                                                                              |
| 4800063275      | 27.11.2017   | 13.186,81                                                                              |
| 4300305033      | 15.12.2017   | 13.173,30                                                                              |
| 6000155388      | 21.05.2015   | 13.172,17                                                                              |
| 5200016209      | 30.06.2016   | 13.171,65                                                                              |
| 4300234013      | 04.09.2017   | 13.165,65                                                                              |
| 4300314273      | 27.12.2017   | 13.147,12                                                                              |
| 4300281074      | 21.11.2017   | 13.141,18                                                                              |
| 4800064167      | 30.11.2017   | 13.138,08                                                                              |
| 5200010392      | 01.04.2013   | 13.131,97                                                                              |
| 5200010051      | 31.03.2013   | -13.131,97                                                                             |
| 4300312307      | 27.12.2017   | 13.125,00                                                                              |
| 4300257405      | 26.10.2017   | 13.091,79                                                                              |
| 4300296153      | 06.12.2017   | 13.090,00                                                                              |
| 4300300719      | 13.12.2017   | 13.090,00                                                                              |
| 4300296597      | 06.12.2017   | 13.086,61                                                                              |
| 4300296597      | 06.12.2017   | 13.086,61                                                                              |
| 4300315222      | 29.12.2017   | 13.084,70                                                                              |
| 4300285780      | 22.11.2017   | 13.070,13                                                                              |
| 4300272593      | 14.11.2017   | 13.063,77                                                                              |
| 4300266658      | 08.11.2017   | 13.056,65                                                                              |
| 6000160417      | 17.05.2016   | 13.044,81                                                                              |
| 5200028600      | 01.09.2017   | 13.035,18                                                                              |
| 5200028044      | 31.08.2017   | -13.035,18                                                                             |
| 6000181823      | 05.06.2009   | 13.017,24                                                                              |
| 2540927         | 30.11.1999   | 13.014,66                                                                              |
| 2540928         | 01.12.1999   | -13.014,66                                                                             |
| 6000211911      | 27.06.2012   | -13.005,51                                                                             |
| 4300313677      | 27.12.2017   | 13.005,05                                                                              |
| 5200001377      | 31.01.2004   | 13.001,88                                                                              |
| 4300315591      | 27.12.2017   | 12.998,40                                                                              |
| 4300308791      | 18.12.2017   | 12.995,99                                                                              |
| 6000305482      | 06.10.2014   | -12.989,33                                                                             |
| 6000227786      | 25.07.2017   | 12.984,05                                                                              |
| 6000129992      | 16.04.2008   | 12.983,19                                                                              |
| 4300279804      | 04.12.2017   | 12.982,70                                                                              |
| 5200014831      | 30.06.2014   | 12.981,52                                                                              |
| 5200029946      | 01.11.2016   | 12.980,19                                                                              |
| 5200029497      | 31.10.2016   | -12.980,19                                                                             |
| 2783370         | 30.09.1992   | 12.971,59                                                                              |
| 2783335         | 01.10.1992   | -12.971,59                                                                             |
| 4300314375      | 21.12.2017   | 12.959,43                                                                              |
| 5200026035      | 01.11.2012   | 12.953,66                                                                              |
| 5200025730      | 31.10.2012   | -12.953,66                                                                             |
| 4300313349      | 22.12.2017   | 12.934,25                                                                              |
| 4300314036      | 21.12.2017   | 12.932,03                                                                              |
| 5200004269      | 01.03.2012   | 12.931,55                                                                              |
| 5200003997      | 29.02.2012   | -12.931,55                                                                             |
| 4300136041      | 18.08.2017   | 12.920,20                                                                              |
| 4300297651      | 07.12.2017   | 12.911,44                                                                              |
| 4300314384      | 23.12.2017   | 12.901,44                                                                              |
| 4300295082      | 03.12.2017   | 12.900,00                                                                              |
| 5200000771      | 31.01.2006   | -12.864,78                                                                             |
| 4300299786      | 11.12.2017   | 12.840,10                                                                              |
| 5200002700      | 31.01.2013   | -12.832,47                                                                             |
| 4300309701      | 18.12.2017   | 12.817,92                                                                              |
| 4300274391      | 13.11.2017   | 12.816,58                                                                              |
| 4300280927      | 21.11.2017   | 12.815,64                                                                              |
| 4300307641      | 16.12.2017   | 12.800,00                                                                              |
| 4300170231      | 14.07.2017   | 12.785,72                                                                              |

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| 4300204620      | 22.08.2017   | 12.785,72                                                                              |
| 5200000362      | 02.01.2013   | 12.784,90                                                                              |
| 4300304010      | 14.12.2017   | 12.784,62                                                                              |
| 4300191869      | 10.08.2017   | 12.783,36                                                                              |
| 4800067439      | 15.12.2017   | 12.782,14                                                                              |
| 5200017751      | 01.07.2015   | 12.772,37                                                                              |
| 5200017399      | 30.06.2015   | -12.772,37                                                                             |
| 6000089315      | 24.03.2015   | -12.764,42                                                                             |
| 4300303324      | 13.12.2017   | 12.746,76                                                                              |
| 5200012637      | 30.04.2013   | -12.745,29                                                                             |
| 5200005631      | 31.05.2003   | -12.723,42                                                                             |
| 5200003436      | 31.05.2006   | -12.717,95                                                                             |
| 6000143623      | 12.05.2017   | -12.717,36                                                                             |
| 4300280890      | 21.11.2017   | 12.709,39                                                                              |
| 5200035883      | 01.11.2017   | 12.699,40                                                                              |
| 5200035332      | 31.10.2017   | -12.699,40                                                                             |
| 4300308097      | 27.12.2017   | 12.685,33                                                                              |
| 4300308308      | 16.12.2017   | 12.669,45                                                                              |
| 4800068333      | 19.12.2017   | 12.664,31                                                                              |
| 4300083572      | 01.06.2017   | 12.658,10                                                                              |
| 4300280995      | 21.11.2017   | 12.647,68                                                                              |
| 5200000433      | 01.01.2015   | 12.624,31                                                                              |
| 5200031108      | 31.12.2014   | -12.624,31                                                                             |
| 4300281141      | 22.11.2017   | 12.615,02                                                                              |
| 4300313417      | 21.12.2017   | 12.605,00                                                                              |
| 6000217441      | 13.08.2007   | 12.593,07                                                                              |
| 6000042885      | 10.02.2015   | -12.586,44                                                                             |
| 4500007614      | 19.11.2002   | -12.585,66                                                                             |
| 4300301949      | 13.12.2017   | 12.578,30                                                                              |
| 4300300652      | 12.12.2017   | 12.570,47                                                                              |
| 4300299563      | 09.12.2017   | 12.566,40                                                                              |
| 4300309256      | 18.12.2017   | 12.564,19                                                                              |
| 6000180830      | 19.06.2017   | 12.561,24                                                                              |
| 6000150657      | 19.05.2015   | 12.554,45                                                                              |
| 5200031301      | 30.11.2013   | -12.553,68                                                                             |
| 6000185574      | 07.06.2016   | -12.534,76                                                                             |
| 6000297306      | 26.09.2017   | 12.523,09                                                                              |
| 5200003440      | 31.05.2006   | 12.509,18                                                                              |
| 4300300169      | 12.12.2017   | 12.508,34                                                                              |
| 4300299835      | 08.12.2017   | 12.495,00                                                                              |
| 4300307091      | 14.12.2017   | 12.495,00                                                                              |
| 4500002448      | 28.12.2017   | -12.495,00                                                                             |
| 4300075110      | 30.03.2015   | 12.492,84                                                                              |
| 6000317986      | 12.09.2008   | -12.492,38                                                                             |
| 4300282447      | 23.11.2017   | 12.489,60                                                                              |
| 4300281087      | 21.11.2017   | 12.481,07                                                                              |
| 4300279093      | 14.11.2017   | 12.480,00                                                                              |
| 4300303003      | 13.12.2017   | 12.477,26                                                                              |
| 4300313208      | 27.12.2017   | 12.467,48                                                                              |
| 4300157662      | 04.07.2017   | 12.465,55                                                                              |
| 4300306061      | 16.12.2017   | 12.459,00                                                                              |
| 4300263503      | 01.11.2017   | 12.455,11                                                                              |
| 4300279044      | 21.11.2017   | 12.455,11                                                                              |
| 4300290420      | 04.12.2017   | 12.455,11                                                                              |
| 5200014984      | 01.06.2015   | 12.424,08                                                                              |
| 5200014594      | 31.05.2015   | -12.424,08                                                                             |
| 4300299447      | 09.12.2017   | 12.419,20                                                                              |
| 4300315091      | 29.12.2017   | 12.419,16                                                                              |
| 5200029058      | 01.12.2014   | 12.402,93                                                                              |
| 5200028695      | 30.11.2014   | -12.402,93                                                                             |
| 5200029241      | 01.11.2015   | 12.384,31                                                                              |
| 5200028833      | 31.10.2015   | -12.384,31                                                                             |
| 4300112947      | 01.06.2017   | 12.378,05                                                                              |
| 4800062246      | 22.11.2017   | 12.370,88                                                                              |
| 4300304328      | 14.12.2017   | 12.370,73                                                                              |
| 5200008583      | 31.12.2008   | 12.362,78                                                                              |
| 4300315557      | 27.12.2017   | 12.361,57                                                                              |
| 4300300328      | 13.12.2017   | 12.352,24                                                                              |
| 52000004719     | 01.03.2015   | 12.344,11                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



**Annex 9.4.a**  
Liabilities Healthcare

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004289      | 28.02.2015   | -12.344,11                                                                             |
| 4300314078      | 28.12.2017   | 12.334,36                                                                              |
| 4300308472      | 18.12.2017   | 12.323,74                                                                              |
| 6000061945      | 25.02.2009   | -12.320,16                                                                             |
| 4300315188      | 29.12.2017   | 12.319,60                                                                              |
| 5200015675      | 01.06.2013   | 12.268,98                                                                              |
| 5200015318      | 31.05.2013   | -12.268,98                                                                             |
| 4300298409      | 08.12.2017   | 12.265,17                                                                              |
| 4300298473      | 08.12.2017   | 12.244,25                                                                              |
| 5200028738      | 01.12.2012   | 12.204,79                                                                              |
| 5200028429      | 30.11.2012   | -12.204,79                                                                             |
| 6000046077      | 09.02.2016   | 12.203,85                                                                              |
| 4300312357      | 08.12.2017   | 12.200,81                                                                              |
| 5200005412      | 31.08.2006   | -12.197,22                                                                             |
| 4300312942      | 22.12.2017   | 12.188,89                                                                              |
| 2789933         | 30.04.1994   | 12.186,16                                                                              |
| 2789934         | 02.05.1994   | -12.186,16                                                                             |
| 4300275549      | 17.11.2017   | -12.184,30                                                                             |
| 4300285523      | 10.11.2017   | 12.173,70                                                                              |
| 4300304338      | 14.12.2017   | 12.170,13                                                                              |
| 6000081762      | 17.03.2015   | -12.160,91                                                                             |
| 4300311987      | 22.12.2017   | 12.142,46                                                                              |
| 5200026661      | 01.10.2013   | 12.141,70                                                                              |
| 5200026294      | 30.09.2013   | -12.141,70                                                                             |
| 4300314114      | 14.12.2017   | 12.120,60                                                                              |
| 4300312384      | 27.12.2017   | 12.117,60                                                                              |
| 6000288044      | 04.09.2012   | 12.115,54                                                                              |
| 5200006165      | 30.09.2010   | -12.114,37                                                                             |
| 6000195795      | 25.06.2015   | -12.113,30                                                                             |
| 4300274449      | 15.11.2017   | 12.110,00                                                                              |
| 5200010966      | 01.05.2016   | 12.094,71                                                                              |
| 5200010489      | 30.04.2016   | -12.094,71                                                                             |
| 4300313211      | 27.12.2017   | 12.093,97                                                                              |
| 5200004242      | 30.06.2010   | 12.086,24                                                                              |
| 4300293241      | 02.12.2017   | 12.085,87                                                                              |
| 4300290790      | 04.12.2017   | 12.083,02                                                                              |
| 6000180867      | 23.05.2011   | 12.077,12                                                                              |
| 5200000771      | 31.01.2006   | 12.067,73                                                                              |
| 5200028747      | 31.10.2013   | 12.051,81                                                                              |
| 4300296159      | 06.12.2017   | 12.049,46                                                                              |
| 4300268670      | 06.11.2017   | 12.042,80                                                                              |
| 5200033605      | 31.12.2015   | -12.003,49                                                                             |
| 6000225665      | 24.07.2017   | 12.001,15                                                                              |
| 4300314275      | 22.12.2017   | 12.000,00                                                                              |
| 6000027786      | 26.01.2016   | 11.998,75                                                                              |
| 5200004244      | 30.06.2010   | 11.992,37                                                                              |
| 4300307413      | 16.12.2017   | 11.990,46                                                                              |
| 4300315217      | 07.12.2017   | 11.989,25                                                                              |
| 4300298949      | 08.12.2017   | 11.987,50                                                                              |
| 5200017672      | 01.07.2015   | 11.976,52                                                                              |
| 5200017320      | 30.06.2015   | -11.976,52                                                                             |
| 6000254894      | 18.08.2015   | -11.973,77                                                                             |
| 2773109         | 31.05.1992   | 11.973,71                                                                              |
| 2773069         | 01.06.1992   | -11.973,71                                                                             |
| 5200018501      | 01.07.2013   | 11.973,11                                                                              |
| 5200018103      | 30.06.2013   | -11.973,11                                                                             |
| 4300304700      | 14.12.2017   | 11.968,96                                                                              |
| 4500001395      | 18.08.2017   | 11.953,16                                                                              |
| 4300306600      | 16.12.2017   | 11.943,22                                                                              |
| 4300267118      | 07.11.2017   | 11.939,87                                                                              |
| 4300273720      | 15.11.2017   | 11.930,50                                                                              |
| 5200026034      | 01.10.2013   | 11.929,94                                                                              |
| 4300293607      | 02.12.2017   | 11.922,33                                                                              |
| 4300312873      | 27.12.2017   | 11.919,91                                                                              |
| 5200033626      | 31.12.2015   | -11.906,77                                                                             |
| 5200028455      | 01.09.2017   | 11.905,22                                                                              |
| 5200027899      | 31.08.2017   | -11.905,22                                                                             |
| 4300270665      | 10.11.2017   | 11.900,00                                                                              |
| 4300271417      | 10.11.2017   | 11.900,00                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300315059      | 29.12.2017   | 11.900,00                                                                              |
| 4300240383      | 10.10.2017   | 11.900,00                                                                              |
| 5200026346      | 01.11.2014   | 11.900,00                                                                              |
| 5200025993      | 31.10.2014   | -11.900,00                                                                             |
| 4300312857      | 22.12.2017   | 11.885,57                                                                              |
| 5200023904      | 01.09.2013   | 11.873,02                                                                              |
| 5200023552      | 31.08.2013   | -11.873,02                                                                             |
| 6000076472      | 12.03.2013   | -11.870,13                                                                             |
| 4300280336      | 21.11.2017   | 11.861,92                                                                              |
| 4300299600      | 08.12.2017   | 11.861,88                                                                              |
| 4300308494      | 18.12.2017   | -11.861,88                                                                             |
| 5200002432      | 01.02.2015   | 11.845,00                                                                              |
| 5200002009      | 31.01.2015   | -11.845,00                                                                             |
| 6000347947      | 10.11.2015   | -11.841,86                                                                             |
| 5200014971      | 01.06.2015   | 11.831,88                                                                              |
| 5200014581      | 31.05.2015   | -11.831,88                                                                             |
| 5200017994      | 01.06.2017   | 11.825,74                                                                              |
| 5200017440      | 31.05.2017   | -11.825,74                                                                             |
| 4300308264      | 16.12.2017   | 11.825,30                                                                              |
| 5200025766      | 30.09.2015   | -11.813,06                                                                             |
| 4300145154      | 21.06.2017   | 11.792,81                                                                              |
| 5200001812      | 01.02.2016   | 11.786,18                                                                              |
| 5200001328      | 31.01.2016   | -11.786,18                                                                             |
| 4300306845      | 16.12.2017   | 11.781,00                                                                              |
| 4300302794      | 13.12.2017   | 11.777,97                                                                              |
| 5200028528      | 01.09.2017   | 11.777,28                                                                              |
| 5200027972      | 31.08.2017   | -11.777,28                                                                             |
| 5200004016      | 28.02.2015   | -11.770,40                                                                             |
| 4300309876      | 18.12.2017   | 11.767,00                                                                              |
| 5200021694      | 01.07.2017   | 11.763,46                                                                              |
| 5200021143      | 30.06.2017   | -11.763,46                                                                             |
| 4300309496      | 16.12.2017   | 11.763,15                                                                              |
| 6000306148      | 05.10.2015   | 11.757,94                                                                              |
| 4300206402      | 29.08.2017   | 11.750,96                                                                              |
| 4300274847      | 16.11.2017   | 11.737,10                                                                              |
| 6000001059      | 03.01.2011   | -11.733,49                                                                             |
| 4500000501      | 28.03.2017   | 11.721,66                                                                              |
| 5200014849      | 01.07.2012   | 11.720,45                                                                              |
| 5200014559      | 30.06.2012   | -11.720,45                                                                             |
| 5200042171      | 31.12.2017   | -11.716,66                                                                             |
| 4300125795      | 13.05.2014   | 11.701,34                                                                              |
| 4300112581      | 11.05.2017   | 11.701,23                                                                              |
| 5200004477      | 30.06.2008   | 11.700,51                                                                              |
| 4300299300      | 12.12.2017   | 11.698,04                                                                              |
| 4300304698      | 14.12.2017   | 11.692,46                                                                              |
| 6000040728      | 13.02.2017   | 11.689,19                                                                              |
| 6000350338      | 09.11.2017   | -11.684,83                                                                             |
| 5200014779      | 01.07.2012   | 11.683,46                                                                              |
| 5200014489      | 30.06.2012   | -11.683,46                                                                             |
| 6000312072      | 09.10.2014   | -11.673,37                                                                             |
| 4300289578      | 01.12.2017   | 11.665,72                                                                              |
| 4300310966      | 20.12.2017   | 11.665,72                                                                              |
| 4300291701      | 05.12.2017   | 11.660,98                                                                              |
| 4300299436      | 13.12.2017   | 11.652,47                                                                              |
| 5200031276      | 30.09.2017   | -11.645,21                                                                             |
| 5200004241      | 30.06.2010   | -11.640,56                                                                             |
| 6000004284      | 05.01.2012   | -11.637,52                                                                             |
| 4300290834      | 04.12.2017   | 11.632,43                                                                              |
| 4300310946      | 20.12.2017   | 11.632,43                                                                              |
| 4300314419      | 22.12.2017   | 11.620,62                                                                              |
| 4500000149      | 15.01.2004   | 11.613,40                                                                              |
| 5200001624      | 31.01.2002   | 11.607,59                                                                              |
| 5200001787      | 01.02.2002   | -11.607,59                                                                             |
| 4300291704      | 05.12.2017   | 11.603,62                                                                              |
| 5200015455      | 01.07.2014   | 11.597,87                                                                              |
| 5200015027      | 30.06.2014   | -11.597,87                                                                             |
| 2786998         | 31.08.2000   | 11.594,73                                                                              |
| 2786999         | 01.09.2000   | -11.594,73                                                                             |
| 4300201936      | 24.08.2017   | 11.594,57                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000519      | 01.01.2013   | 11.594,40                                                                              |
| 5200030902      | 31.12.2012   | -11.594,40                                                                             |
| 6000075529      | 10.03.2010   | -11.593,41                                                                             |
| 5200002367      | 01.02.2012   | 11.591,29                                                                              |
| 5200002125      | 31.01.2012   | -11.591,29                                                                             |
| 4300280975      | 22.11.2017   | 11.591,12                                                                              |
| 4300292760      | 01.12.2017   | 11.585,11                                                                              |
| 4300297010      | 05.12.2017   | 11.583,69                                                                              |
| 4300315209      | 21.12.2017   | 11.579,57                                                                              |
| 4300296175      | 07.12.2017   | 11.574,24                                                                              |
| 4300302324      | 13.12.2017   | 11.571,90                                                                              |
| 5200008258      | 30.11.2005   | 11.567,21                                                                              |
| 5200002327      | 31.03.2009   | -11.563,57                                                                             |
| 4300310314      | 20.12.2017   | 11.562,62                                                                              |
| 5200015787      | 01.06.2013   | 11.556,88                                                                              |
| 5200015430      | 31.05.2013   | -11.556,88                                                                             |
| 4300291707      | 05.12.2017   | 11.555,43                                                                              |
| 6000181801      | 05.06.2009   | 11.554,41                                                                              |
| 4300153480      | 28.06.2017   | 11.551,97                                                                              |
| 4300302957      | 09.12.2017   | 11.548,93                                                                              |
| 4300295686      | 06.12.2017   | 11.546,87                                                                              |
| 5200015227      | 31.05.2013   | -11.546,52                                                                             |
| 4300286320      | 24.11.2017   | 11.513,00                                                                              |
| 4300309951      | 21.12.2017   | 11.509,13                                                                              |
| 5200004090      | 30.06.2006   | -11.503,43                                                                             |
| 6000202295      | 19.06.2012   | -11.499,96                                                                             |
| 4300300378      | 13.12.2017   | 11.495,19                                                                              |
| 5200029059      | 01.12.2014   | 11.492,03                                                                              |
| 5200028696      | 30.11.2014   | -11.492,03                                                                             |
| 6000243784      | 08.08.2017   | 11.487,02                                                                              |
| 5200001037      | 31.01.2016   | -11.479,92                                                                             |
| 5200003227      | 01.02.2013   | 11.463,72                                                                              |
| 5200002887      | 31.01.2013   | -11.463,72                                                                             |
| 4300293358      | 06.12.2017   | 11.457,53                                                                              |
| 4300291722      | 05.12.2017   | 11.451,16                                                                              |
| 5200025583      | 01.11.2012   | 11.443,21                                                                              |
| 5200025573      | 31.10.2012   | -11.443,21                                                                             |
| 4300281259      | 24.11.2017   | 11.428,59                                                                              |
| 4300282446      | 22.11.2017   | 11.424,00                                                                              |
| 4300278134      | 21.11.2017   | 11.424,00                                                                              |
| 6000079975      | 30.03.2007   | 11.421,72                                                                              |
| 4300314772      | 27.12.2017   | 11.419,66                                                                              |
| 5200000448      | 01.01.2017   | 11.419,06                                                                              |
| 5200021334      | 01.08.2013   | 11.408,10                                                                              |
| 5200020979      | 31.07.2013   | -11.408,10                                                                             |
| 5200020237      | 01.09.2012   | 11.399,28                                                                              |
| 5200019951      | 31.08.2012   | -11.399,28                                                                             |
| 6000039610      | 06.02.2009   | -11.396,74                                                                             |
| 5200029300      | 01.11.2013   | 11.393,34                                                                              |
| 5200028959      | 31.10.2013   | -11.393,34                                                                             |
| 4300293625      | 01.12.2017   | 11.388,30                                                                              |
| 4300158477      | 15.08.2017   | 11.386,17                                                                              |
| 4300277404      | 17.11.2017   | 11.375,00                                                                              |
| 5200023751      | 31.07.2017   | 11.373,94                                                                              |
| 5200028470      | 30.11.2014   | -11.372,90                                                                             |
| 4300313419      | 21.12.2017   | 11.370,60                                                                              |
| 4300293800      | 06.12.2017   | 11.370,57                                                                              |
| 6000281748      | 12.09.2017   | 11.368,38                                                                              |
| 5200021176      | 01.09.2014   | 11.363,91                                                                              |
| 5200020743      | 31.08.2014   | -11.363,91                                                                             |
| 6000219323      | 18.07.2017   | 11.338,41                                                                              |
| 4300288191      | 30.11.2017   | 11.336,34                                                                              |
| 4300310907      | 07.12.2017   | 11.334,00                                                                              |
| 6000071660      | 09.03.2015   | -11.330,16                                                                             |
| 4300309898      | 19.12.2017   | 11.305,00                                                                              |
| 4300303925      | 14.12.2017   | 11.305,00                                                                              |
| 2783597         | 05.06.2000   | 11.283,69                                                                              |
| 2783596         | 31.05.2000   | -11.283,69                                                                             |
| 4300299312      | 08.12.2017   | 11.281,83                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300300302      | 13.12.2017   | 11.281,83                                                                              |
| 4300299421      | 09.12.2017   | 11.273,87                                                                              |
| 4300312935      | 22.12.2017   | 11.272,31                                                                              |
| 4300295498      | 05.12.2017   | 11.250,00                                                                              |
| 5200026659      | 01.10.2013   | 11.247,37                                                                              |
| 5200026292      | 30.09.2013   | -11.247,37                                                                             |
| 5200018554      | 01.07.2013   | 11.246,47                                                                              |
| 5200018156      | 30.06.2013   | -11.246,47                                                                             |
| 5200020325      | 01.08.2015   | 11.242,25                                                                              |
| 5200019958      | 31.07.2015   | -11.242,25                                                                             |
| 4300291591      | 05.12.2017   | 11.239,36                                                                              |
| 4300291725      | 05.12.2017   | 11.227,31                                                                              |
| 4300313456      | 21.12.2017   | 11.227,03                                                                              |
| 5200023936      | 01.09.2013   | 11.225,76                                                                              |
| 5200023584      | 31.08.2013   | -11.225,76                                                                             |
| 4300290772      | 01.12.2017   | 11.224,92                                                                              |
| 2702609         | 31.01.2001   | 11.220,29                                                                              |
| 2702610         | 01.02.2001   | -11.220,29                                                                             |
| 4300304668      | 14.12.2017   | 11.203,85                                                                              |
| 4300279011      | 14.11.2017   | 11.201,41                                                                              |
| 4300246525      | 12.10.2017   | 11.195,40                                                                              |
| 6000321050      | 20.10.2014   | -11.190,69                                                                             |
| 4300279311      | 22.11.2017   | 11.189,14                                                                              |
| 6000260338      | 24.08.2015   | -11.178,98                                                                             |
| 4300290450      | 04.12.2017   | 11.169,93                                                                              |
| 4300300839      | 08.12.2017   | 11.164,82                                                                              |
| 5200019937      | 31.07.2016   | 11.157,47                                                                              |
| 6000145823      | 03.05.2016   | 11.155,49                                                                              |
| 4300291573      | 05.12.2017   | 11.155,04                                                                              |
| 6000346008      | 09.11.2015   | -11.154,36                                                                             |
| 5200016903      | 01.07.2016   | 11.140,54                                                                              |
| 5200016448      | 30.06.2016   | -11.140,54                                                                             |
| 6000358402      | 19.11.2013   | 11.136,23                                                                              |
| 4300290856      | 01.12.2017   | 11.134,50                                                                              |
| 5200034355      | 31.12.2016   | -11.133,58                                                                             |
| 4300297164      | 14.12.2017   | -11.127,18                                                                             |
| 2789427         | 31.03.1994   | 11.124,88                                                                              |
| 2789428         | 05.04.1994   | -11.124,88                                                                             |
| 4300302323      | 13.12.2017   | 11.124,25                                                                              |
| 5200006712      | 01.04.2012   | 11.121,41                                                                              |
| 5200006416      | 31.03.2012   | -11.121,41                                                                             |
| 4300314712      | 28.12.2017   | 11.121,40                                                                              |
| 4300285562      | 22.11.2017   | 11.096,75                                                                              |
| 4300285938      | 21.11.2017   | 11.094,16                                                                              |
| 5200016208      | 30.06.2016   | -11.079,22                                                                             |
| 5200012398      | 31.07.2011   | 11.065,02                                                                              |
| 6000005499      | 09.01.2009   | 11.047,46                                                                              |
| 5200021104      | 01.09.2014   | 11.045,54                                                                              |
| 5200020671      | 31.08.2014   | -11.045,54                                                                             |
| 6000120958      | 12.04.2016   | 11.040,00                                                                              |
| 4800064938      | 04.12.2017   | 11.023,37                                                                              |
| 4300300617      | 08.12.2017   | 11.018,64                                                                              |
| 6000387015      | 20.12.2016   | -11.000,56                                                                             |
| 6000289264      | 19.09.2017   | 10.999,81                                                                              |
| 5200026696      | 01.10.2013   | 10.998,00                                                                              |
| 5200026329      | 30.09.2013   | -10.998,00                                                                             |
| 4300298438      | 07.12.2017   | 10.988,11                                                                              |
| 4300310274      | 27.12.2017   | 10.967,06                                                                              |
| 4300287405      | 27.11.2017   | 10.953,74                                                                              |
| 5200007248      | 31.03.2015   | 10.950,62                                                                              |
| 6000203763      | 21.06.2016   | -10.948,16                                                                             |
| 5200034940      | 01.11.2017   | -10.940,71                                                                             |
| 4300313254      | 27.12.2017   | 10.940,69                                                                              |
| 5200009236      | 30.06.2011   | -10.936,52                                                                             |
| 4300313377      | 21.12.2017   | 10.934,16                                                                              |
| 4300288794      | 09.11.2017   | 10.916,53                                                                              |
| 4300307545      | 29.12.2017   | 10.890,88                                                                              |
| 4300297641      | 06.12.2017   | 10.888,36                                                                              |
| 6000266881      | 29.08.2017   | 10.883,73                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000389964      | 22.12.2016   | -10.878,54                                                                             |
| 4300153151      | 28.06.2016   | 10.875,65                                                                              |
| 4300284206      | 22.11.2017   | 10.869,81                                                                              |
| 6000266453      | 27.08.2015   | -10.869,26                                                                             |
| 4300315743      | 29.12.2017   | 10.864,70                                                                              |
| 4300303420      | 13.12.2017   | 10.863,51                                                                              |
| 4300279247      | 08.11.2017   | 10.858,87                                                                              |
| 2729562         | 02.12.1996   | 10.853,88                                                                              |
| 2729561         | 30.11.1996   | -10.853,88                                                                             |
| 5200031831      | 01.12.2013   | 10.853,18                                                                              |
| 5200031476      | 30.11.2013   | -10.853,18                                                                             |
| 6000402898      | 28.12.2015   | -10.838,29                                                                             |
| 5200002780      | 30.04.2006   | -10.837,02                                                                             |
| 4300309188      | 16.12.2017   | 10.824,98                                                                              |
| 4300269285      | 09.11.2017   | 10.820,24                                                                              |
| 4300296160      | 06.12.2017   | 10.810,67                                                                              |
| 2729559         | 30.11.1996   | 10.809,36                                                                              |
| 2729560         | 02.12.1996   | -10.809,36                                                                             |
| 4300307599      | 16.12.2017   | 10.800,00                                                                              |
| 4300309649      | 18.12.2017   | 10.798,00                                                                              |
| 5200030867      | 31.12.2014   | 10.797,69                                                                              |
| 5200032202      | 01.12.2015   | 10.788,50                                                                              |
| 5200031799      | 30.11.2015   | -10.788,50                                                                             |
| 5200000517      | 01.01.2013   | 10.787,19                                                                              |
| 5200030900      | 31.12.2012   | -10.787,19                                                                             |
| 4300300708      | 11.12.2017   | 10.780,47                                                                              |
| 6000112567      | 05.04.2016   | 10.769,79                                                                              |
| 4300225618      | 21.09.2017   | 10.767,43                                                                              |
| 6000291292      | 21.09.2015   | 10.765,78                                                                              |
| 5200000469      | 01.01.2012   | 10.764,59                                                                              |
| 5200019998      | 31.12.2011   | -10.764,59                                                                             |
| 4300291597      | 05.12.2017   | 10.764,44                                                                              |
| 4300287303      | 28.11.2017   | 10.762,92                                                                              |
| 2775942         | 31.10.1999   | 10.746,05                                                                              |
| 2775943         | 01.11.1999   | -10.746,05                                                                             |
| 5200025501      | 31.10.2012   | -10.744,03                                                                             |
| 2703786         | 28.02.2001   | 10.738,30                                                                              |
| 2703787         | 01.03.2001   | -10.738,30                                                                             |
| 4300270013      | 07.11.2017   | 10.736,84                                                                              |
| 6000165881      | 15.05.2008   | -10.736,44                                                                             |
| 2760385         | 31.10.1998   | 10.735,51                                                                              |
| 2760386         | 02.11.1998   | -10.735,51                                                                             |
| 5200012505      | 01.06.2014   | 10.735,00                                                                              |
| 5200012060      | 31.05.2014   | -10.735,00                                                                             |
| 5200013999      | 31.08.2011   | -10.733,42                                                                             |
| 5200026678      | 01.10.2013   | 10.715,91                                                                              |
| 5200026311      | 30.09.2013   | -10.715,91                                                                             |
| 5200002789      | 30.04.2006   | 10.706,97                                                                              |
| 4300313214      | 27.12.2017   | 10.698,10                                                                              |
| 4300313957      | 26.12.2017   | 10.698,10                                                                              |
| 2749340         | 31.01.1998   | 10.690,59                                                                              |
| 2749341         | 02.02.1998   | -10.690,59                                                                             |
| 4300153493      | 28.06.2017   | 10.682,56                                                                              |
| 6000344913      | 06.11.2017   | -10.680,68                                                                             |
| 4300275977      | 20.11.2017   | 10.679,82                                                                              |
| 4300311425      | 21.12.2017   | 10.677,91                                                                              |
| 5200032141      | 01.10.2017   | 10.669,59                                                                              |
| 5200031588      | 30.09.2017   | -10.669,59                                                                             |
| 4300281687      | 23.11.2017   | 10.659,77                                                                              |
| 4300295675      | 06.12.2017   | 10.659,22                                                                              |
| 5200018428      | 01.07.2013   | 10.658,04                                                                              |
| 5200018048      | 30.06.2013   | -10.658,04                                                                             |
| 2703754         | 28.02.2001   | 10.647,45                                                                              |
| 2703755         | 01.03.2001   | -10.647,45                                                                             |
| 5200007651      | 31.12.2006   | 10.638,04                                                                              |
| 6000132081      | 17.04.2008   | 10.628,47                                                                              |
| 5200005743      | 01.03.2016   | 10.628,45                                                                              |
| 5200005229      | 29.02.2016   | -10.628,45                                                                             |
| 4300299684      | 08.12.2017   | 10.623,83                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300301809      | 13.12.2017   | 10.623,12                                                                              |
| 5200029000      | 01.12.2014   | 10.616,97                                                                              |
| 5200028637      | 30.11.2014   | -10.616,97                                                                             |
| 4300307848      | 20.12.2017   | 10.615,30                                                                              |
| 5200005659      | 30.04.2004   | 10.598,82                                                                              |
| 5200019771      | 31.07.2015   | 10.592,49                                                                              |
| 5200012496      | 01.06.2014   | 10.592,07                                                                              |
| 5200012051      | 31.05.2014   | -10.592,07                                                                             |
| 4300300003      | 07.12.2017   | 10.576,86                                                                              |
| 4300302327      | 13.12.2017   | 10.570,30                                                                              |
| 2707719         | 31.03.1995   | 10.561,71                                                                              |
| 2707720         | 03.04.1995   | -10.561,71                                                                             |
| 4300107264      | 06.05.2015   | 10.561,25                                                                              |
| 4300314733      | 28.12.2017   | 10.560,00                                                                              |
| 4300287886      | 27.11.2017   | 10.560,00                                                                              |
| 5200014919      | 01.06.2015   | 10.559,97                                                                              |
| 5200014529      | 31.05.2015   | -10.559,97                                                                             |
| 5200004186      | 01.03.2012   | 10.558,39                                                                              |
| 5200003914      | 29.02.2012   | -10.558,39                                                                             |
| 6000251685      | 14.08.2014   | -10.558,08                                                                             |
| 4300249633      | 17.10.2017   | 10.539,99                                                                              |
| 4300258759      | 25.10.2017   | 10.539,99                                                                              |
| 4300284863      | 21.11.2017   | 10.539,99                                                                              |
| 4300284865      | 21.11.2017   | 10.539,99                                                                              |
| 4300307061      | 16.12.2017   | 10.539,24                                                                              |
| 4300297471      | 05.12.2017   | 10.537,10                                                                              |
| 4300309557      | 22.12.2017   | 10.531,50                                                                              |
| 4300256967      | 13.10.2017   | 10.509,50                                                                              |
| 4300292085      | 04.12.2017   | 10.506,61                                                                              |
| 5200023944      | 01.09.2013   | 10.504,47                                                                              |
| 5200023592      | 31.08.2013   | -10.504,47                                                                             |
| 6000309900      | 05.09.2008   | -10.494,26                                                                             |
| 6000343473      | 04.11.2015   | -10.491,67                                                                             |
| 4300261389      | 02.11.2017   | 10.491,41                                                                              |
| 5200023452      | 31.08.2013   | 10.488,64                                                                              |
| 4300315445      | 04.12.2017   | 10.486,13                                                                              |
| 6000167846      | 02.06.2015   | 10.482,98                                                                              |
| 4300295011      | 07.12.2017   | 10.477,50                                                                              |
| 5200023090      | 01.09.2015   | 10.471,24                                                                              |
| 5200022711      | 31.08.2015   | -10.471,24                                                                             |
| 4000063241      | 26.02.2010   | 10.467,05                                                                              |
| 4300312872      | 27.12.2017   | 10.462,78                                                                              |
| 6000065994      | 03.03.2015   | -10.457,71                                                                             |
| 6000034652      | 03.02.2015   | -10.456,39                                                                             |
| 4300297535      | 06.12.2017   | 10.455,19                                                                              |
| 5200003520      | 31.03.2003   | -10.443,80                                                                             |
| 4300313632      | 28.12.2017   | 10.442,51                                                                              |
| 4300291885      | 02.12.2017   | 10.442,25                                                                              |
| 4300304643      | 18.12.2017   | 10.441,60                                                                              |
| 4300297172      | 07.12.2017   | 10.437,80                                                                              |
| 4300294127      | 07.12.2017   | 10.436,90                                                                              |
| 4300300432      | 08.12.2017   | 10.426,72                                                                              |
| 2736519         | 03.03.1997   | 10.424,98                                                                              |
| 2736518         | 28.02.1997   | -10.424,98                                                                             |
| 6000187625      | 22.06.2017   | 10.423,27                                                                              |
| 4300314917      | 29.12.2017   | 10.413,16                                                                              |
| 4300160969      | 07.07.2017   | 10.406,55                                                                              |
| 4300311299      | 21.12.2017   | 10.400,00                                                                              |
| 6000129933      | 02.05.2017   | 10.397,73                                                                              |
| 4300303187      | 13.12.2017   | 10.396,38                                                                              |
| 4300287752      | 21.11.2017   | 10.395,83                                                                              |
| 4300315090      | 29.12.2017   | 10.395,62                                                                              |
| 5200011482      | 30.04.2015   | -10.389,47                                                                             |
| 4300285542      | 21.11.2017   | 10.380,25                                                                              |
| 5200008654      | 01.04.2016   | 10.378,54                                                                              |
| 5200008170      | 31.03.2016   | -10.378,54                                                                             |
| 5200007520      | 30.11.2010   | 10.372,49                                                                              |
| 4300110781      | 14.06.2017   | -10.370,85                                                                             |
| 4300277840      | 20.11.2017   | 10.364,00                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300301557      | 11.12.2017   | 10.362,84                                                                              |
| 4300313996      | 27.12.2017   | 10.355,84                                                                              |
| 4000052922      | 16.02.2017   | 10.354,12                                                                              |
| 4800063958      | 29.11.2017   | 10.353,78                                                                              |
| 4300312859      | 27.12.2017   | 10.336,68                                                                              |
| 4300314004      | 28.12.2017   | 10.329,20                                                                              |
| 4300307795      | 18.12.2017   | 10.327,15                                                                              |
| 6000237806      | 03.08.2015   | -10.325,77                                                                             |
| 4300199620      | 15.08.2017   | 10.316,47                                                                              |
| 4300284686      | 28.11.2017   | 10.316,26                                                                              |
| 4300280994      | 22.11.2017   | 10.297,64                                                                              |
| 5200017102      | 31.07.2012   | -10.293,77                                                                             |
| 6000170199      | 27.05.2009   | 10.271,42                                                                              |
| 5200017686      | 01.08.2012   | 10.269,94                                                                              |
| 5200017400      | 31.07.2012   | -10.269,94                                                                             |
| 4300297492      | 08.12.2017   | 10.268,23                                                                              |
| 4300141557      | 23.06.2017   | 10.257,12                                                                              |
| 4000152102      | 29.06.2006   | 10.252,92                                                                              |
| 4300295379      | 08.12.2017   | -10.252,00                                                                             |
| 5200007529      | 01.03.2013   | 10.250,38                                                                              |
| 5200007198      | 28.02.2013   | -10.250,38                                                                             |
| 6000113159      | 16.04.2013   | -10.245,81                                                                             |
| 4300306840      | 16.12.2017   | 10.242,76                                                                              |
| 5200028712      | 01.11.2015   | 10.241,81                                                                              |
| 5200031695      | 01.12.2015   | 10.241,81                                                                              |
| 5200028672      | 31.10.2015   | -10.241,81                                                                             |
| 5200031634      | 30.11.2015   | -10.241,81                                                                             |
| 4300271034      | 12.11.2017   | 10.231,80                                                                              |
| 4300299554      | 12.12.2017   | 10.230,14                                                                              |
| 4300304489      | 14.12.2017   | 10.228,05                                                                              |
| 4500001520      | 28.09.2016   | 10.227,02                                                                              |
| 5200009223      | 31.05.2011   | 10.224,61                                                                              |
| 4300291698      | 05.12.2017   | 10.217,32                                                                              |
| 4300295817      | 06.12.2017   | 10.217,16                                                                              |
| 4300293253      | 02.12.2017   | 10.216,65                                                                              |
| 5200028785      | 01.12.2012   | 10.215,59                                                                              |
| 5200028476      | 30.11.2012   | -10.215,59                                                                             |
| 4300306426      | 14.12.2017   | 10.213,06                                                                              |
| 4300306242      | 16.12.2017   | 10.207,15                                                                              |
| 4000152102      | 29.06.2006   | -10.200,93                                                                             |
| 4300304350      | 12.12.2017   | 10.200,00                                                                              |
| 5200007574      | 01.03.2013   | 10.197,00                                                                              |
| 5200007243      | 28.02.2013   | -10.197,00                                                                             |
| 4300313381      | 21.12.2017   | 10.193,44                                                                              |
| 4300281213      | 21.11.2017   | 10.172,94                                                                              |
| 4300306523      | 01.12.2017   | 10.170,00                                                                              |
| 4800058664      | 07.11.2017   | 10.160,56                                                                              |
| 6000328819      | 28.10.2014   | -10.156,32                                                                             |
| 4300280910      | 21.11.2017   | 10.145,81                                                                              |
| 4300176657      | 29.08.2017   | 10.140,44                                                                              |
| 2756605         | 03.08.1998   | 10.129,25                                                                              |
| 2756604         | 31.07.1998   | -10.129,25                                                                             |
| 5200042086      | 31.12.2017   | 10.124,28                                                                              |
| 6000192124      | 27.06.2017   | 10.110,48                                                                              |
| 4300172284      | 18.07.2017   | 10.106,96                                                                              |
| 4300297556      | 06.12.2017   | 10.106,96                                                                              |
| 5200003772      | 31.05.2008   | 10.106,44                                                                              |
| 4300305895      | 16.12.2017   | 10.100,00                                                                              |
| 4300273855      | 15.11.2017   | 10.098,92                                                                              |
| 5200018503      | 01.07.2013   | 10.097,13                                                                              |
| 5200018105      | 30.06.2013   | -10.097,13                                                                             |
| 4300296978      | 05.12.2017   | 10.094,00                                                                              |
| 5200040486      | 01.12.2017   | 10.087,15                                                                              |
| 5200039941      | 30.11.2017   | -10.087,15                                                                             |
| 4300315852      | 13.12.2017   | 10.079,30                                                                              |
| 4300301765      | 14.12.2017   | 10.075,58                                                                              |
| 4300315864      | 28.12.2017   | 10.062,49                                                                              |
| 5200026396      | 01.11.2014   | 10.058,71                                                                              |
| 5200026043      | 31.10.2014   | -10.058,71                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300295832      | 05.12.2017   | 10.058,50                                                                              |
| 4300226890      | 19.09.2017   | 10.053,97                                                                              |
| 6000204243      | 02.07.2015   | -10.049,13                                                                             |
| 4300108071      | 10.05.2017   | 10.049,10                                                                              |
| 4300293614      | 02.12.2017   | 10.049,00                                                                              |
| 2731902         | 31.01.1997   | 10.034,26                                                                              |
| 2731903         | 03.02.1997   | -10.034,26                                                                             |
| 6000194249      | 14.06.2016   | -10.032,86                                                                             |
| 5200007530      | 01.03.2013   | 10.032,58                                                                              |
| 5200007199      | 28.02.2013   | -10.032,58                                                                             |
| 5200000856      | 31.01.2009   | 10.029,40                                                                              |
| 6000103230      | 07.04.2015   | -10.023,54                                                                             |
| 4300285689      | 20.11.2017   | 10.018,72                                                                              |
| 4300314079      | 27.12.2017   | 10.018,57                                                                              |
| 4300059411      | 15.03.2017   | 10.015,75                                                                              |
| 4300313872      | 28.12.2017   | 10.015,20                                                                              |
| 6000379666      | 13.12.2016   | -10.011,63                                                                             |
| 5200029012      | 01.12.2014   | 10.007,04                                                                              |
| 5200028649      | 30.11.2014   | -10.007,04                                                                             |
| 4800069056      | 21.12.2017   | 10.006,56                                                                              |
| 5200014845      | 01.07.2012   | 10.003,00                                                                              |
| 5200014555      | 30.06.2012   | -10.003,00                                                                             |
| 4300273865      | 27.11.2017   | 10.000,00                                                                              |
| 4300309527      | 22.12.2017   | 10.000,00                                                                              |
| 4300302847      | 06.12.2017   | 10.000,00                                                                              |
| 4300303576      | 15.12.2017   | 10.000,00                                                                              |
| 4300279843      | 21.11.2017   | 10.000,00                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

## II. Trade accounts payable to affiliated companies attributable to the Operating Unit Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002483      | 31.12.2017   | 6.267.337,00                                                                           |
| 4300181885      | 31.07.2017   | 303.192,44                                                                             |
| 5200042084      | 31.12.2017   | 170.982,00                                                                             |
| 5200042124      | 31.12.2017   | 151.541,51                                                                             |
| 5200005665      | 31.05.2003   | 79.856,42                                                                              |
| 5200042082      | 31.12.2017   | 71.690,46                                                                              |
| 5000000620      | 07.07.2003   | -70.840,75                                                                             |
| 5200042125      | 31.12.2017   | 70.321,32                                                                              |
| 5200004154      | 30.06.2007   | 63.382,61                                                                              |
| 4500001616      | 13.07.2007   | 63.382,61                                                                              |
| 4000192431      | 13.07.2007   | -63.382,61                                                                             |
| 4500001615      | 13.07.2007   | -63.382,61                                                                             |
| 5200006696      | 30.06.2003   | -56.726,80                                                                             |
| 2782598         | 30.04.2000   | 52.305,86                                                                              |
| 2782599         | 02.05.2000   | -52.305,86                                                                             |
| 4300259876      | 30.10.2017   | 51.227,41                                                                              |
| 5200010195      | 30.09.2003   | 46.641,35                                                                              |
| 2783832         | 31.05.2000   | 45.633,34                                                                              |
| 2783833         | 05.06.2000   | -45.633,34                                                                             |
| 5000002291      | 31.12.2017   | 43.034,20                                                                              |
| 5200014152      | 31.12.2003   | 39.608,63                                                                              |
| 2784893         | 30.06.2000   | 39.171,51                                                                              |
| 2784894         | 03.07.2000   | -39.171,51                                                                             |
| 4300251723      | 23.10.2017   | 38.601,14                                                                              |
| 2781651         | 31.03.2000   | 37.062,76                                                                              |
| 2781652         | 03.04.2000   | -37.062,76                                                                             |
| 2500000996      | 05.03.2003   | -33.792,35                                                                             |
| 5200011660      | 30.09.2002   | 31.782,65                                                                              |
| 5200008863      | 31.08.2003   | -31.077,92                                                                             |
| 2780512         | 29.02.2000   | 30.500,56                                                                              |
| 2780513         | 01.03.2000   | -30.500,56                                                                             |
| 2779316         | 31.01.2000   | 27.399,31                                                                              |
| 2779317         | 01.02.2000   | -27.399,31                                                                             |
| 2789379         | 31.10.2000   | 25.927,87                                                                              |
| 2789380         | 01.11.2000   | -25.927,87                                                                             |
| 5200006205      | 30.09.2007   | -25.873,68                                                                             |
| 5200004605      | 30.04.2003   | 25.242,20                                                                              |
| 6000287815      | 10.10.2007   | 25.111,64                                                                              |
| 5900002617      | 19.12.2003   | -24.820,10                                                                             |
| 4300316010      | 30.12.2017   | 24.482,06                                                                              |
| 2701603         | 31.12.2000   | 24.449,26                                                                              |
| 2701604         | 01.01.2001   | -24.449,26                                                                             |
| 5200013104      | 30.11.2003   | 23.624,56                                                                              |
| 2787073         | 01.09.2000   | 23.432,91                                                                              |
| 2787072         | 31.08.2000   | -23.432,91                                                                             |
| 2779293         | 01.02.2000   | 23.270,15                                                                              |
| 2779292         | 31.01.2000   | -23.270,15                                                                             |
| 4500006375      | 16.09.2003   | 23.128,49                                                                              |
| 2782437         | 02.05.2000   | 22.192,84                                                                              |
| 2782436         | 30.04.2000   | -22.192,84                                                                             |
| 5200004367      | 31.03.2004   | -22.070,96                                                                             |
| 2767156         | 01.04.1999   | 22.055,36                                                                              |
| 2767155         | 31.03.1999   | -22.055,36                                                                             |
| 5200042043      | 31.12.2017   | 22.030,57                                                                              |
| 2788192         | 02.10.2000   | 20.902,84                                                                              |
| 2788191         | 30.09.2000   | -20.902,84                                                                             |
| 2747154         | 01.12.1997   | 20.715,44                                                                              |
| 2747153         | 30.11.1997   | -20.715,44                                                                             |
| 2789178         | 01.03.1994   | 20.671,14                                                                              |
| 2789177         | 28.02.1994   | -20.671,14                                                                             |
| 2787163         | 01.09.2000   | 20.135,26                                                                              |
| 2787162         | 31.08.2000   | -20.135,26                                                                             |
| 2788235         | 30.09.2000   | 20.013,15                                                                              |
| 2788236         | 02.10.2000   | -20.013,15                                                                             |
| 2788193         | 30.09.2000   | 19.897,34                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2788194         | 02.10.2000   | -19.897,34                                                                             |
| 4500007239      | 31.10.2002   | -18.942,69                                                                             |
| 2787118         | 31.08.2000   | 18.866,50                                                                              |
| 2787119         | 01.09.2000   | -18.866,50                                                                             |
| 2781490         | 03.04.2000   | 18.823,43                                                                              |
| 2781489         | 31.03.2000   | -18.823,43                                                                             |
| 2701647         | 31.12.2000   | 18.313,25                                                                              |
| 2701648         | 01.01.2001   | -18.313,25                                                                             |
| 2783651         | 05.06.2000   | 17.987,48                                                                              |
| 2783650         | 31.05.2000   | -17.987,48                                                                             |
| 2700578         | 30.11.2000   | 17.876,06                                                                              |
| 2700579         | 01.12.2000   | -17.876,06                                                                             |
| 2785858         | 01.08.2000   | 17.633,81                                                                              |
| 2785857         | 31.07.2000   | -17.633,81                                                                             |
| 2778092         | 31.12.1999   | 17.468,48                                                                              |
| 2778093         | 03.01.2000   | -17.468,48                                                                             |
| 5200014653      | 31.12.2002   | 17.300,84                                                                              |
| 5200001411      | 31.01.2004   | -17.174,14                                                                             |
| 2500002930      | 30.06.2003   | -17.124,20                                                                             |
| 5200002322      | 30.06.2001   | 16.981,02                                                                              |
| 5200002509      | 01.07.2001   | -16.981,02                                                                             |
| 5200001924      | 31.05.2001   | 16.839,25                                                                              |
| 5200002103      | 01.06.2001   | -16.839,25                                                                             |
| 2767157         | 31.03.1999   | 16.370,40                                                                              |
| 2767158         | 01.04.1999   | -16.370,40                                                                             |
| 2780396         | 29.02.2000   | 16.287,12                                                                              |
| 2780397         | 01.03.2000   | -16.287,12                                                                             |
| 2785913         | 31.07.2000   | 16.196,71                                                                              |
| 2785914         | 01.08.2000   | -16.196,71                                                                             |
| 5200005657      | 31.05.2003   | 16.182,61                                                                              |
| 5200042092      | 31.12.2017   | 16.054,24                                                                              |
| 5200003991      | 31.07.2001   | 15.769,94                                                                              |
| 5200004145      | 01.08.2001   | -15.769,94                                                                             |
| 2783708         | 31.05.2000   | 15.542,21                                                                              |
| 2783709         | 05.06.2000   | -15.542,21                                                                             |
| 2701553         | 31.12.2000   | 15.415,72                                                                              |
| 2701554         | 01.01.2001   | -15.415,72                                                                             |
| 2787074         | 31.08.2000   | 15.287,25                                                                              |
| 2787075         | 01.09.2000   | -15.287,25                                                                             |
| 2767215         | 01.04.1999   | 15.140,80                                                                              |
| 2767214         | 31.03.1999   | -15.140,80                                                                             |
| 5200042112      | 31.12.2017   | 15.032,21                                                                              |
| 2788278         | 02.10.2000   | 14.972,50                                                                              |
| 2788277         | 30.09.2000   | -14.972,50                                                                             |
| 5200005654      | 31.05.2003   | 14.913,79                                                                              |
| 2779196         | 31.01.2000   | 14.853,50                                                                              |
| 2779197         | 01.02.2000   | -14.853,50                                                                             |
| 4500000749      | 19.02.2004   | -14.850,17                                                                             |
| 2784779         | 30.06.2000   | 14.657,98                                                                              |
| 2784780         | 03.07.2000   | -14.657,98                                                                             |
| 2788891         | 01.02.1994   | 14.520,11                                                                              |
| 2788890         | 31.01.1994   | -14.520,11                                                                             |
| 4500000170      | 16.01.2004   | -14.446,36                                                                             |
| 5200042127      | 31.12.2017   | 14.432,45                                                                              |
| 2784722         | 03.07.2000   | 14.381,54                                                                              |
| 2784721         | 30.06.2000   | -14.381,54                                                                             |
| 2782484         | 30.04.2000   | 14.254,25                                                                              |
| 2782485         | 02.05.2000   | -14.254,25                                                                             |
| 5200008857      | 31.08.2003   | -14.183,54                                                                             |
| 2782579         | 02.05.2000   | 13.952,32                                                                              |
| 2782578         | 30.04.2000   | -13.952,32                                                                             |
| 2767111         | 01.04.1999   | 13.898,61                                                                              |
| 2767110         | 31.03.1999   | -13.898,61                                                                             |
| 2701703         | 31.12.2000   | 13.730,56                                                                              |
| 2701704         | 01.01.2001   | -13.730,56                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 9.4.a**  
Liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007550      | 30.06.2002   | -13.663,82                                                                             |
| 5200003552      | 31.03.2003   | 13.647,49                                                                              |
| 2780353         | 01.03.2000   | 13.569,13                                                                              |
| 2780352         | 29.02.2000   | -13.569,13                                                                             |
| 4300251689      | 23.10.2017   | 13.464,65                                                                              |
| 6000126224      | 19.06.2002   | -13.459,83                                                                             |
| 4300316119      | 14.12.2017   | 13.453,43                                                                              |
| 2765698         | 01.03.1999   | 13.452,49                                                                              |
| 2765697         | 28.02.1999   | -13.452,49                                                                             |
| 4300251657      | 23.10.2017   | 13.396,09                                                                              |
| 4300251682      | 23.10.2017   | 13.388,13                                                                              |
| 4300251720      | 23.10.2017   | 13.376,50                                                                              |
| 4300251674      | 23.10.2017   | 13.248,67                                                                              |
| 2524055         | 01.10.1999   | 13.218,49                                                                              |
| 2523651         | 30.09.1999   | -13.218,49                                                                             |
| 2755383         | 30.06.1998   | 13.111,95                                                                              |
| 2755384         | 01.07.1998   | -13.111,95                                                                             |
| 5000000505      | 05.05.2004   | 13.074,37                                                                              |
| 5200003988      | 31.07.2001   | 13.073,48                                                                              |
| 5200004142      | 01.08.2001   | -13.073,48                                                                             |
| 2789463         | 31.10.2000   | 13.023,05                                                                              |
| 2789464         | 01.11.2000   | -13.023,05                                                                             |
| 5200001340      | 31.01.2003   | 12.988,71                                                                              |
| 2783652         | 31.05.2000   | 12.772,90                                                                              |
| 2783653         | 05.06.2000   | -12.772,90                                                                             |
| 5200010601      | 30.09.2004   | 12.677,37                                                                              |
| 5200001332      | 31.01.2003   | 12.475,51                                                                              |
| 5200005189      | 28.02.2017   | 12.427,75                                                                              |
| 2781584         | 03.04.2000   | 12.324,89                                                                              |
| 2781583         | 31.03.2000   | -12.324,89                                                                             |
| 5200005189      | 28.02.2017   | -12.234,37                                                                             |
| 2765756         | 01.03.1999   | 12.124,21                                                                              |
| 2765755         | 28.02.1999   | -12.124,21                                                                             |
| 5200037276      | 31.12.2001   | 12.074,01                                                                              |
| 2783814         | 31.05.2000   | 12.053,62                                                                              |
| 2783815         | 05.06.2000   | -12.053,62                                                                             |
| 5200014656      | 31.12.2002   | -11.906,39                                                                             |
| 2782438         | 30.04.2000   | 11.885,16                                                                              |
| 2782439         | 02.05.2000   | -11.885,16                                                                             |
| 2774557         | 01.09.1999   | 11.884,89                                                                              |
| 2775399         | 01.10.1999   | -11.884,89                                                                             |
| 2705109         | 31.03.2001   | 11.868,72                                                                              |
| 2705110         | 01.04.2001   | -11.868,72                                                                             |
| 2779151         | 01.02.2000   | 11.861,73                                                                              |
| 2779150         | 31.01.2000   | -11.861,73                                                                             |
| 2707812         | 03.04.1995   | 11.705,67                                                                              |
| 2707811         | 31.03.1995   | -11.705,67                                                                             |
| 5200003059      | 29.02.2004   | 11.655,87                                                                              |
| 5200000240      | 30.04.2001   | 11.652,36                                                                              |
| 5200000413      | 01.05.2001   | -11.652,36                                                                             |
| 2761942         | 01.12.1998   | 11.496,43                                                                              |
| 2761941         | 30.11.1998   | -11.496,43                                                                             |
| 5200005408      | 01.09.2001   | 11.464,33                                                                              |
| 5200005254      | 31.08.2001   | -11.464,33                                                                             |
| 5200006022      | 01.10.2001   | 11.411,41                                                                              |
| 5200005863      | 30.09.2001   | -11.411,41                                                                             |
| 5200036558      | 30.11.2001   | 11.404,72                                                                              |
| 5200036740      | 01.12.2001   | -11.404,72                                                                             |
| 2784723         | 30.06.2000   | 11.371,63                                                                              |
| 2784724         | 03.07.2000   | -11.371,63                                                                             |
| 2785859         | 31.07.2000   | 11.330,35                                                                              |
| 2785860         | 01.08.2000   | -11.330,35                                                                             |
| 5200006892      | 31.05.2002   | 11.280,46                                                                              |
| 2782584         | 30.04.2000   | 11.248,63                                                                              |
| 2782585         | 02.05.2000   | -11.248,63                                                                             |
| 2703953         | 01.03.2001   | 11.227,07                                                                              |
| 2703952         | 28.02.2001   | -11.227,07                                                                             |
| 5000001042      | 21.10.2003   | -11.154,14                                                                             |
| 2776103         | 01.11.1999   | 11.093,16                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2776102         | 31.10.1999   | -11.093,16                                                                             |
| 5200001929      | 31.05.2001   | 11.011,83                                                                              |
| 5200002108      | 01.06.2001   | -11.011,83                                                                             |
| 2788901         | 01.02.1994   | 10.965,16                                                                              |
| 2788900         | 31.01.1994   | -10.965,16                                                                             |
| 2777984         | 31.12.1999   | 10.958,31                                                                              |
| 2777985         | 03.01.2000   | -10.958,31                                                                             |
| 2784873         | 30.06.2000   | 10.868,37                                                                              |
| 2784874         | 03.07.2000   | -10.868,37                                                                             |
| 6000057687      | 26.03.2003   | -10.748,76                                                                             |
| 5200001401      | 31.01.2004   | -10.718,74                                                                             |
| 5200014656      | 31.12.2002   | 10.703,56                                                                              |
| 2747155         | 30.11.1997   | 10.634,13                                                                              |
| 2747156         | 01.12.1997   | -10.634,13                                                                             |
| 2765699         | 28.02.1999   | 10.584,84                                                                              |
| 2765700         | 01.03.1999   | -10.584,84                                                                             |
| 2782531         | 02.05.2000   | 10.454,53                                                                              |
| 2782530         | 30.04.2000   | -10.454,53                                                                             |
| 2769636         | 01.06.1999   | 10.400,38                                                                              |
| 2769635         | 31.05.1999   | -10.400,38                                                                             |
| 5200001610      | 29.02.2008   | -10.388,32                                                                             |
| 5200001617      | 31.03.2008   | 10.339,63                                                                              |
| 5200013099      | 30.11.2003   | 10.183,63                                                                              |
| 5200010199      | 01.11.2001   | 10.130,60                                                                              |
| 5200009855      | 31.10.2001   | -10.130,60                                                                             |
| 2781537         | 31.03.2000   | 10.066,11                                                                              |
| 2781538         | 03.04.2000   | -10.066,11                                                                             |
| 5200005403      | 01.09.2001   | 10.045,27                                                                              |
| 5200005249      | 31.08.2001   | -10.045,27                                                                             |
| 5200010818      | 31.10.2001   | 10.005,44                                                                              |
| 5200010989      | 01.11.2001   | -10.005,44                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

## III. Other liabilities to third parties attributable to the Operating Unit Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002178      | 31.12.2012   | -510.174,80                                                                            |
| 3200000803      | 31.12.2014   | 453.753,17                                                                             |
| 3200000734      | 31.12.2012   | -448.123,30                                                                            |
| 2742501         | 01.08.1997   | 428.437,19                                                                             |
| 2742500         | 31.07.1997   | -428.437,19                                                                            |
| 2736527         | 03.03.1997   | 402.503,27                                                                             |
| 2736526         | 28.02.1997   | -402.503,27                                                                            |
| 2743634         | 01.09.1997   | 368.758,48                                                                             |
| 2743633         | 31.08.1997   | -368.758,48                                                                            |
| 2752188         | 01.04.1998   | 335.047,53                                                                             |
| 2752187         | 31.03.1998   | -335.047,53                                                                            |
| 2744846         | 01.10.1997   | 324.821,96                                                                             |
| 2744845         | 30.09.1997   | -324.821,96                                                                            |
| 2749128         | 02.02.1998   | 318.934,03                                                                             |
| 2749127         | 31.01.1998   | -318.934,03                                                                            |
| 2530819         | 02.03.1998   | 306.789,38                                                                             |
| 2530818         | 28.02.1998   | -306.789,38                                                                            |
| 2532584         | 01.07.1998   | 304.804,96                                                                             |
| 2532583         | 30.06.1998   | -304.804,96                                                                            |
| 2753313         | 04.05.1998   | 293.771,58                                                                             |
| 2753312         | 30.04.1998   | -293.771,58                                                                            |
| 2741243         | 01.07.1997   | 292.053,15                                                                             |
| 2741242         | 30.06.1997   | -292.053,15                                                                            |
| 2748426         | 02.01.1998   | 291.628,40                                                                             |
| 2748425         | 31.12.1997   | -291.628,40                                                                            |
| 2532157         | 02.06.1998   | 283.849,48                                                                             |
| 2532156         | 31.05.1998   | -283.849,48                                                                            |
| 2747227         | 01.12.1997   | 269.085,39                                                                             |
| 2747226         | 30.11.1997   | -269.085,39                                                                            |
| 2739098         | 02.05.1997   | 266.288,29                                                                             |
| 2739097         | 30.04.1997   | -266.288,29                                                                            |
| 2746071         | 03.11.1997   | 236.779,02                                                                             |
| 2746070         | 31.10.1997   | -236.779,02                                                                            |
| 5200042036      | 31.12.2017   | 230.684,42                                                                             |
| 2739624         | 02.06.1997   | 224.015,41                                                                             |
| 2739623         | 31.05.1997   | -224.015,41                                                                            |
| 2845535         | 01.04.1997   | 189.765,12                                                                             |
| 2845533         | 31.03.1997   | -189.765,12                                                                            |
| 5200042055      | 31.12.2017   | 184.538,00                                                                             |
| 2533050         | 03.08.1998   | 178.359,72                                                                             |
| 2533049         | 31.07.1998   | -178.359,72                                                                            |
| 2536475         | 01.03.1999   | 175.557,39                                                                             |
| 2536474         | 28.02.1999   | -175.557,39                                                                            |
| 2533489         | 01.09.1998   | 172.644,59                                                                             |
| 2758150         | 31.08.1998   | -172.644,59                                                                            |
| 2536115         | 01.02.1999   | 130.012,41                                                                             |
| 2536114         | 31.01.1999   | -130.012,41                                                                            |
| 2534880         | 01.12.1998   | 116.842,68                                                                             |
| 2534878         | 30.11.1998   | -116.842,68                                                                            |
| 3200000510      | 31.12.2005   | 107.868,44                                                                             |
| 5000000449      | 01.04.2016   | -99.734,03                                                                             |
| 2533996         | 01.10.1998   | 96.125,33                                                                              |
| 2533995         | 30.09.1998   | -96.125,33                                                                             |
| 2535798         | 04.01.1999   | 93.823,40                                                                              |
| 2535797         | 31.12.1998   | -93.823,40                                                                             |
| 5000001876      | 31.12.2015   | 90.418,01                                                                              |
| 5000001861      | 31.12.2014   | 78.981,87                                                                              |
| 5200042035      | 31.12.2017   | 76.367,57                                                                              |
| 2534409         | 02.11.1998   | 76.201,75                                                                              |
| 2534408         | 31.10.1998   | -76.201,75                                                                             |
| 5000002002      | 31.12.2013   | 70.343,49                                                                              |
| 4300294672      | 07.12.2017   | 67.956,67                                                                              |
| 3200000606      | 31.12.2008   | -65.849,85                                                                             |
| 3200000766      | 31.12.2013   | -63.559,25                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001943      | 31.12.2016   | 62.563,58                                                                              |
| 3200000538      | 31.12.2006   | -58.776,38                                                                             |
| 3200000625      | 31.12.2009   | 57.226,25                                                                              |
| 2736438         | 28.02.1997   | 56.781,55                                                                              |
| 2736439         | 03.03.1997   | -56.781,55                                                                             |
| 2736437         | 03.03.1997   | 54.888,83                                                                              |
| 2736436         | 28.02.1997   | -54.888,83                                                                             |
| 2730626         | 31.12.1996   | 53.402,11                                                                              |
| 2730627         | 02.01.1997   | -53.402,11                                                                             |
| 7800010169      | 31.12.2017   | 53.320,69                                                                              |
| 2731880         | 31.01.1997   | 51.818,00                                                                              |
| 2731881         | 03.02.1997   | -51.818,00                                                                             |
| 2730625         | 02.01.1997   | 51.622,04                                                                              |
| 2730624         | 31.12.1996   | -51.622,04                                                                             |
| 2731879         | 03.02.1997   | 50.090,73                                                                              |
| 2731878         | 31.01.1997   | -50.090,73                                                                             |
| 2737562         | 31.03.1997   | 49.410,15                                                                              |
| 2737563         | 01.04.1997   | -49.410,15                                                                             |
| 6000214497      | 27.06.2016   | -49.222,52                                                                             |
| 2737561         | 01.04.1997   | 47.763,15                                                                              |
| 2737560         | 31.03.1997   | -47.763,15                                                                             |
| 5000002399      | 31.12.2017   | 44.791,06                                                                              |
| 2729537         | 30.11.1996   | 30.942,95                                                                              |
| 2729538         | 02.12.1996   | -30.942,95                                                                             |
| 2729536         | 02.12.1996   | 29.911,52                                                                              |
| 2729535         | 30.11.1996   | -29.911,52                                                                             |
| 5200042038      | 31.12.2017   | 18.612,37                                                                              |
| 2728317         | 31.10.1996   | 15.031,44                                                                              |
| 2728318         | 01.11.1996   | -15.031,44                                                                             |
| 2600202665      | 24.10.2017   | 14.919,79                                                                              |
| 2728316         | 01.11.1996   | 14.530,40                                                                              |
| 2728315         | 31.10.1996   | -14.530,40                                                                             |
| 3200000677      | 31.12.2010   | 13.543,44                                                                              |
| 6000087667      | 24.03.2017   | 13.229,47                                                                              |
| 3200000634      | 30.09.2017   | -12.099,24                                                                             |
| 5200042054      | 31.12.2017   | 11.151,28                                                                              |
| 5000000784      | 30.06.2016   | 11.040,99                                                                              |
| 3200000825      | 31.12.2015   | 10.302,96                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

## IV. Deferred income

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001347      | 30.08.2017   | 1.118.237,19                                                                           |
| 2300003137      | 20.11.2017   | -734.444,00                                                                            |
| 5000002023      | 19.12.2017   | 240.000,00                                                                             |
| 5000002038      | 20.12.2017   | -209.166,46                                                                            |
| 5000001394      | 30.09.2017   | -51.762,07                                                                             |

## V. Obligation to purchase intangible assets

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------|--------------|---------------------------------------------------------------------------|
|                 | 31.12.2017   | 568.652.744,00                                                            |

## VI. Order commitments

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------|--------------|---------------------------------------------------------------------------|
|                 | 31.12.2017   | 65.476.458,85                                                             |

## VII. Obligation to accept delivery

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------|--------------|---------------------------------------------------------------------------|
|                 | 31.12.2017   | 22.819.570                                                                |

## VIII. Rental and leasing obligations

| Document number | Contract term | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------|---------------|---------------------------------------------------------------------------|
| 605031          | 30.06.2019    | 1.180.975                                                                 |
| 637984          | 30.09.2021    | 21,645                                                                    |

## IX. Rental and leasing obligations IC

| Leased asset/Contract | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------------|---------------------------------------------------------------------------|
| Kred.565155           | 15.600                                                                    |
| Kred.565155           | 13.200                                                                    |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



**X. Leasing obligations**

| Leased asset/Contract | Contract term |
|-----------------------|---------------|
| DA-AB 747             | 31.10.2021    |
| DA-TZ 360E            | 03.10.2021    |
| DA-ZZ 247             | 10.09.2021    |
| DA-DD 350             | 03.10.2021    |
| DA-SV 110             | 09.08.2021    |
| DA-JF 663             | 08.02.2021    |
| DA-TE 139             | 18.07.2021    |
| DA-DW 212             | 20.12.2020    |
| DA-MJ 444             | 19.01.2021    |
| DA-MM 890             | 26.10.2021    |
| DA-MN 930             | 31.08.2021    |
| DA-LH 700             | 30.08.2021    |
| DA-AM 404             | 26.01.2021    |
| DA-KO 800             | 04.04.2021    |
| DA-SC 450             | 13.08.2021    |
| DA-SB 827             | 27.03.2021    |
| DA-DM 300E            | 13.07.2021    |
| DA-MS 390             | 08.03.2021    |
| DA-AS 370             | 20.02.2021    |
| DA-ME 944E            | 19.10.2021    |
| DA-SN 141             | 09.11.2021    |
| DA-LL 150             | 08.01.2021    |
| DA-WI 400             | 05.03.2021    |
| DA-MR 158             | 03.07.2021    |
| DA-KU 222             | 11.05.2020    |
| DA-AP 212             | 19.12.2020    |
| DA-MR 220             | 12.12.2020    |
| DA-CP 200             | 25.09.2021    |
| DA-MC 200             | 15.12.2020    |
| DA-JN 666             | 28.09.2020    |
| DA-XX 712             | 06.11.2020    |
| DA-RO 101             | 11.12.2020    |
| DA-JM 220             | 06.03.2021    |
| DA-OL 101             | 16.01.2021    |
| DA-SF 232             | 20.12.2020    |
| DA-RI 907             | 06.07.2021    |
| DA-PS 293             | 27.09.2020    |
| DA-RK 997             | 28.03.2020    |
| DA-SB 828             | 08.06.2021    |
| DA-NL 984             | 16.01.2021    |
| DA-JC 200             | 11.05.2021    |
| DA-BA 462             | 26.10.2020    |
| DA-OK 200             | 11.07.2021    |
| DA-GH 450             | 05.09.2020    |
| DA-DD 900             | 06.02.2021    |
| DA-CJ 158             | 13.09.2020    |
| DA-CK 914             | 30.05.2020    |
| DA-EK 101             | 13.07.2021    |
| DA-HR 130             | 06.04.2021    |
| DA-ST 422             | 11.05.2021    |
| DA-RJ 400             | 10.01.2021    |
| DA-DA 469             | 31.05.2020    |
| DA-QR 625             | 10.03.2020    |
| DA-TH 164             | 07.12.2019    |
| DA-JJ 200             | 03.12.2019    |
| DA-BH 800             | 17.07.2019    |
| DA-CB 700             | 04.02.2020    |
| DA-MO 450             | 11.10.2019    |
| DA-LI 350             | 18.11.2019    |
| DA-BB 163             | 14.03.2020    |
| DA-CB 116             | 21.04.2019    |
| DA-PW 121             | 25.10.2019    |

## **Annex 9.4.b**

### Uncertain liabilities Healthcare

**I. Provisions for pensions and other post-employment benefits attributable to the Operating Unit Healthcare**

| Actuarial report, Reference | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------------------|------------|----------------------------------------------------------------------------------------|
| M0195.0.00 – ako/sg         | 23.01.2018 | 28.872.936,40                                                                          |
| M0195.0.00 – ako/sg         | 24.01.2018 | 819.167,00                                                                             |

**II. Provisions for personnel expenses**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001035      | 30.06.2017   | 15.632.832,76                                                                          |
| 5000000533      | 31.03.2017   | 8.271.562,85                                                                           |
| 5000001029      | 30.06.2017   | 6.883.277,06                                                                           |
| 5000002077      | 31.12.2017   | 6.799.347,93                                                                           |
| 5000001443      | 30.09.2017   | -4.753.873,38                                                                          |
| 7800002740      | 30.04.2017   | -4.229.845,69                                                                          |
| 5000002247      | 31.12.2017   | -3.301.770,91                                                                          |
| 5000001479      | 30.09.2017   | 3.076.438,37                                                                           |
| 5000001831      | 31.12.2015   | 2.697.584,43                                                                           |
| 5000001648      | 31.10.2017   | 2.657.891,35                                                                           |
| 5000001904      | 01.12.2017   | 2.657.891,35                                                                           |
| 5000000654      | 30.04.2017   | 2.639.624,45                                                                           |
| 5000001179      | 31.07.2017   | 2.607.998,22                                                                           |
| 5000001312      | 31.08.2017   | 2.607.998,22                                                                           |
| 5000001674      | 31.10.2017   | 2.473.045,00                                                                           |
| 5000000196      | 05.02.2015   | -2.198.517,72                                                                          |
| 5000000487      | 30.04.2016   | 2.116.117,00                                                                           |
| 5000000196      | 05.02.2015   | -1.840.067,00                                                                          |
| 5000000763      | 30.06.2016   | 1.298.667,98                                                                           |
| 5000000332      | 10.03.2015   | -1.202.757,53                                                                          |
| 5000000332      | 10.03.2015   | 1.136.185,51                                                                           |
| 5000002387      | 31.12.2017   | 1.082.340,05                                                                           |
| 5000002121      | 31.12.2017   | -1.008.782,51                                                                          |
| 5000002388      | 31.12.2017   | 991.968,51                                                                             |
| 5000001175      | 30.09.2016   | 961.620,23                                                                             |
| 7800000958      | 28.02.2017   | 938.318,24                                                                             |
| 5000002122      | 31.12.2017   | -868.832,48                                                                            |
| 5000001476      | 30.09.2017   | -850.176,97                                                                            |
| 5000001477      | 30.09.2017   | -843.219,17                                                                            |
| 5000002180      | 31.12.2017   | 825.447,15                                                                             |
| 5000002180      | 31.12.2017   | -825.447,15                                                                            |
| 5000000196      | 05.02.2015   | -785.428,50                                                                            |
| 5000001842      | 31.12.2009   | 778.410,50                                                                             |
| 5000001001      | 30.06.2017   | 746.027,68                                                                             |
| 5000001009      | 30.06.2017   | 681.024,69                                                                             |
| 5000000761      | 30.06.2016   | 593.613,73                                                                             |
| 5000001177      | 30.09.2016   | 553.561,51                                                                             |
| 5000000466      | 14.03.2017   | 525.830,98                                                                             |
| 5000000481      | 31.03.2017   | 522.002,59                                                                             |
| 5000002391      | 31.12.2017   | 509.256,93                                                                             |
| 5000001849      | 31.12.2016   | -471.720,99                                                                            |
| 7800000958      | 28.02.2017   | -429.213,40                                                                            |
| 5000000196      | 05.02.2015   | -427.619,28                                                                            |
| 7800000958      | 28.02.2017   | 413.880,27                                                                             |
| 7800000958      | 28.02.2017   | -413.880,27                                                                            |
| 5000000361      | 02.03.2017   | -411.398,17                                                                            |
| 5000000361      | 02.03.2017   | 411.020,21                                                                             |
| 5000001888      | 31.12.2015   | 399.262,21                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001888      | 31.12.2015   | -399.262,21                                                                            |
| 7800001594      | 31.03.2016   | 394.603,53                                                                             |
| 5000000485      | 31.03.2017   | 374.433,50                                                                             |
| 5000002361      | 31.12.2017   | 365.144,73                                                                             |
| 5000001727      | 31.12.2016   | 364.659,18                                                                             |
| 5000002180      | 31.12.2017   | 359.145,00                                                                             |
| 5000002180      | 31.12.2017   | -359.145,00                                                                            |
| 5000000196      | 05.02.2015   | -356.911,47                                                                            |
| 5000000379      | 03.03.2016   | 347.580,08                                                                             |
| 5000000252      | 03.03.2016   | -343.328,55                                                                            |
| 5000002395      | 31.12.2017   | 309.704,74                                                                             |
| 5000002416      | 31.12.2017   | -309.704,74                                                                            |
| 5000000355      | 31.03.2015   | -300.985,08                                                                            |
| 5000001787      | 23.11.2017   | 300.000,00                                                                             |
| 5000000466      | 14.03.2017   | -293.664,11                                                                            |
| 5000000481      | 14.04.2016   | -291.344,67                                                                            |
| 5000000221      | 14.02.2017   | 290.795,44                                                                             |
| 5000002356      | 31.12.2017   | 286.132,93                                                                             |
| 5000000338      | 31.03.2015   | -284.664,02                                                                            |
| 5000001722      | 31.12.2016   | 283.766,88                                                                             |
| 5000000338      | 31.03.2015   | 283.420,91                                                                             |
| 5000001320      | 21.10.2013   | 279.326,13                                                                             |
| 5000000368      | 26.03.2014   | -276.863,05                                                                            |
| 7800002612      | 30.04.2017   | -265.602,54                                                                            |
| 5000002077      | 31.12.2017   | 264.487,23                                                                             |
| 5000000737      | 30.06.2016   | -248.891,68                                                                            |
| 5000000498      | 17.04.2013   | 244.612,90                                                                             |
| 5000002342      | 31.12.2017   | 241.531,73                                                                             |
| 5000002342      | 31.12.2017   | -241.531,73                                                                            |
| 5000000332      | 10.03.2015   | -233.422,76                                                                            |
| 7800004288      | 31.07.2013   | 232.883,83                                                                             |
| 7800004288      | 31.07.2013   | -232.883,83                                                                            |
| 5000002127      | 31.12.2017   | 232.500,00                                                                             |
| 5000001847      | 31.12.2016   | 230.028,52                                                                             |
| 7800000861      | 28.02.2015   | 227.104,11                                                                             |
| 7800001333      | 28.02.2014   | 223.491,34                                                                             |
| 5000001775      | 31.12.2014   | 221.071,44                                                                             |
| 5000000332      | 10.03.2015   | 220.525,12                                                                             |
| 5000002077      | 31.12.2017   | 219.518,83                                                                             |
| 5000001849      | 31.12.2016   | 198.249,62                                                                             |
| 5000001010      | 30.06.2017   | 196.029,03                                                                             |
| 5000000533      | 31.03.2017   | 189.814,98                                                                             |
| 5000001512      | 01.08.2011   | 189.700,89                                                                             |
| 7800000845      | 29.02.2012   | 183.742,73                                                                             |
| 7800000096      | 31.01.2017   | 182.009,43                                                                             |
| 7800000096      | 31.01.2017   | -182.009,43                                                                            |
| 5000002390      | 31.12.2017   | -181.605,08                                                                            |
| 7800007002      | 30.11.2010   | 174.261,19                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800000861      | 28.02.2015   | 174.228,09                                                                             |
| 5000000466      | 14.03.2017   | -168.892,03                                                                            |
| 5000000221      | 14.02.2017   | -168.482,44                                                                            |
| 5000001828      | 31.12.2015   | 165.131,08                                                                             |
| 7800000777      | 28.02.2011   | 163.722,86                                                                             |
| 5000001883      | 31.12.2016   | -163.607,23                                                                            |
| 7800001229      | 28.02.2013   | 162.448,18                                                                             |
| 7800001229      | 28.02.2013   | -162.448,18                                                                            |
| 5000000321      | 31.03.2016   | 161.341,24                                                                             |
| 7800001333      | 28.02.2014   | 159.032,28                                                                             |
| 5000000481      | 14.04.2016   | -158.956,15                                                                            |
| 5000000355      | 31.03.2015   | -158.490,43                                                                            |
| 7800000857      | 28.02.2010   | 158.075,35                                                                             |
| 5000001806      | 31.12.2014   | 155.219,81                                                                             |
| 5000001806      | 31.12.2014   | -155.219,81                                                                            |
| 5000000196      | 05.02.2015   | -152.193,56                                                                            |
| 7800000124      | 31.01.2014   | 147.966,59                                                                             |
| 5000000157      | 22.02.2016   | -146.964,14                                                                            |
| 7800000083      | 31.01.2016   | 142.697,96                                                                             |
| 7800000202      | 31.01.2015   | 137.673,83                                                                             |
| 5000001454      | 14.09.2017   | 132.086,93                                                                             |
| 5000002247      | 31.12.2017   | 130.915,56                                                                             |
| 5000001722      | 01.11.2017   | 130.821,18                                                                             |
| 5000002344      | 31.12.2017   | 130.000,00                                                                             |
| 5000000196      | 05.02.2015   | 128.823,47                                                                             |
| 5000000653      | 30.04.2017   | -128.287,78                                                                            |
| 5000001226      | 01.08.2017   | 124.461,14                                                                             |
| 5000000361      | 02.03.2017   | -123.709,35                                                                            |
| 5000000361      | 02.03.2017   | 122.576,80                                                                             |
| 5000000797      | 16.05.2017   | 115.982,73                                                                             |
| 5000000338      | 31.03.2015   | -113.238,39                                                                            |
| 5000000338      | 31.03.2015   | 112.718,49                                                                             |
| 5000000661      | 18.04.2017   | 109.345,42                                                                             |
| 5000002123      | 31.12.2017   | 106.391,15                                                                             |
| 5000001149      | 14.09.2016   | 102.291,76                                                                             |
| 5000000466      | 14.03.2017   | 102.166,56                                                                             |
| 7800007002      | 30.11.2010   | 101.672,98                                                                             |
| 5000001882      | 31.12.2016   | 100.088,34                                                                             |
| 5000001882      | 31.12.2016   | -100.088,34                                                                            |
| 5000000240      | 10.03.2015   | -95.534,46                                                                             |
| 5000000361      | 02.03.2017   | -93.718,81                                                                             |
| 5000000361      | 02.03.2017   | 93.558,84                                                                              |
| 5000000098      | 14.01.2015   | 91.449,74                                                                              |
| 5000001086      | 30.09.2016   | -88.410,37                                                                             |
| 5000000379      | 03.03.2016   | 85.144,42                                                                              |
| 5000000252      | 03.03.2016   | -84.959,81                                                                             |
| 5000000301      | 26.03.2013   | -82.999,03                                                                             |
| 5000000379      | 03.03.2016   | 82.238,65                                                                              |
| 5000000252      | 03.03.2016   | -80.678,42                                                                             |
| 7800000958      | 28.02.2017   | 80.414,59                                                                              |
| 7800000958      | 28.02.2017   | -80.414,59                                                                             |
| 5000000361      | 02.03.2017   | -79.797,58                                                                             |
| 5000000361      | 02.03.2017   | 79.724,96                                                                              |
| 5000000477      | 31.03.2017   | 78.711,25                                                                              |
| 7800000861      | 28.02.2015   | 77.576,27                                                                              |
| 5000000221      | 14.02.2017   | -77.499,24                                                                             |
| 5000001757      | 14.11.2017   | -77.143,36                                                                             |
| 7800001594      | 31.03.2016   | 76.279,31                                                                              |
| 5000002112      | 14.12.2017   | -75.279,48                                                                             |
| 5000001722      | 01.11.2017   | -75.228,88                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001914      | 31.12.2013   | 74.808,15                                                                              |
| 5000001454      | 14.09.2017   | -74.597,77                                                                             |
| 5000002429      | 31.12.2017   | -74.335,99                                                                             |
| 5000001007      | 16.08.2016   | -74.013,07                                                                             |
| 7800001333      | 28.02.2014   | 73.748,11                                                                              |
| 7800010169      | 31.12.2017   | 73.663,96                                                                              |
| 7800010169      | 31.12.2017   | -73.663,96                                                                             |
| 5000000240      | 10.03.2015   | -72.827,41                                                                             |
| 5000001291      | 15.08.2017   | -71.537,99                                                                             |
| 5000002361      | 31.12.2017   | 70.947,68                                                                              |
| 7800008162      | 31.10.2017   | 70.251,77                                                                              |
| 7800009364      | 30.11.2017   | 69.398,55                                                                              |
| 7800007359      | 30.09.2017   | 68.381,40                                                                              |
| 7800007359      | 30.09.2017   | -68.381,40                                                                             |
| 5000000379      | 03.03.2016   | 67.406,85                                                                              |
| 5000001226      | 01.08.2017   | -67.179,05                                                                             |
| 5000001029      | 30.06.2017   | -67.048,34                                                                             |
| 5000000252      | 03.03.2016   | -66.581,87                                                                             |
| 5000000797      | 16.05.2017   | -66.321,09                                                                             |
| 7800006349      | 31.08.2017   | 66.213,43                                                                              |
| 7800006349      | 31.08.2017   | -66.213,43                                                                             |
| 5000000702      | 25.06.2015   | -66.083,38                                                                             |
| 5000000124      | 05.02.2016   | -66.019,00                                                                             |
| 5000000906      | 14.06.2017   | -65.959,53                                                                             |
| 5000001436      | 25.11.2015   | -65.834,50                                                                             |
| 5000000118      | 16.01.2017   | -65.722,78                                                                             |
| 5000000875      | 21.07.2015   | -65.642,67                                                                             |
| 5000001398      | 17.11.2015   | -65.493,17                                                                             |
| 5000000592      | 28.05.2015   | -65.418,82                                                                             |
| 5000001142      | 29.09.2015   | -65.382,47                                                                             |
| 5000001042      | 31.08.2015   | -65.299,48                                                                             |
| 5000000685      | 14.06.2016   | -65.259,78                                                                             |
| 5000000350      | 10.03.2015   | -65.037,40                                                                             |
| 5000001391      | 15.11.2016   | -64.831,76                                                                             |
| 5000001713      | 29.12.2015   | -64.721,61                                                                             |
| 5000001149      | 14.09.2016   | -64.632,55                                                                             |
| 5000001234      | 14.10.2016   | -64.481,81                                                                             |
| 5000001653      | 14.12.2016   | -64.424,44                                                                             |
| 5000000896      | 14.07.2016   | -64.379,39                                                                             |
| 5000000661      | 18.04.2017   | -64.151,96                                                                             |
| 5000000583      | 17.05.2016   | -63.342,17                                                                             |
| 5000000596      | 28.05.2015   | -62.695,30                                                                             |
| 7800005440      | 31.07.2017   | 62.694,70                                                                              |
| 5000000332      | 10.03.2015   | 62.300,11                                                                              |
| 5000000264      | 15.03.2016   | -62.017,91                                                                             |
| 5000000157      | 22.02.2016   | -61.695,87                                                                             |
| 5000000196      | 05.02.2015   | 61.640,49                                                                              |
| 5000000350      | 10.03.2015   | 61.426,11                                                                              |
| 7800007002      | 30.11.2010   | 60.829,41                                                                              |
| 5000001766      | 13.11.2012   | 60.699,09                                                                              |
| 5000001969      | 01.12.2012   | -60.699,09                                                                             |
| 5000001266      | 30.09.2013   | 60.202,66                                                                              |
| 5000000355      | 31.03.2015   | -58.179,83                                                                             |
| 5000001674      | 31.10.2017   | 57.908,00                                                                              |
| 5000000466      | 14.03.2017   | -57.057,69                                                                             |
| 5000000221      | 14.02.2017   | 56.498,40                                                                              |
| 7800000096      | 31.01.2017   | 56.482,68                                                                              |
| 7800000096      | 31.01.2017   | -56.482,68                                                                             |
| 5000000466      | 14.03.2017   | -56.436,52                                                                             |
| 5000000481      | 14.04.2016   | -56.318,42                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800004553      | 30.06.2017   | 56.235,91                                                                              |
| 7800004553      | 30.06.2017   | -56.235,91                                                                             |
| 5000000338      | 31.03.2015   | -55.698,91                                                                             |
| 7800002716      | 30.04.2017   | -55.576,87                                                                             |
| 5000000338      | 31.03.2015   | 55.455,61                                                                              |
| 7800002740      | 30.04.2017   | 55.204,79                                                                              |
| 7800002740      | 30.04.2017   | -55.204,79                                                                             |
| 7800003663      | 31.05.2017   | 55.032,01                                                                              |
| 5000000240      | 10.03.2015   | -54.582,79                                                                             |
| 5000000368      | 26.03.2014   | -54.143,46                                                                             |
| 5000001320      | 21.10.2013   | 53.850,50                                                                              |
| 7800009295      | 31.12.2016   | 53.622,00                                                                              |
| 7800000096      | 31.01.2017   | 53.514,99                                                                              |
| 7800000096      | 31.01.2017   | -53.514,99                                                                             |
| 7800000958      | 28.02.2017   | 53.298,12                                                                              |
| 7800000958      | 28.02.2017   | -53.298,12                                                                             |
| 7800001980      | 31.03.2017   | 53.288,62                                                                              |
| 7800001980      | 31.03.2017   | -53.288,62                                                                             |
| 7800003517      | 31.05.2016   | 52.652,35                                                                              |
| 7800007440      | 31.10.2016   | 52.616,82                                                                              |
| 7800008381      | 30.11.2016   | 52.382,46                                                                              |
| 7800003831      | 30.06.2012   | 51.831,05                                                                              |
| 7800006461      | 31.08.2016   | 51.599,50                                                                              |
| 7800006461      | 31.08.2016   | -51.599,50                                                                             |
| 5000000926      | 26.06.2017   | 51.519,24                                                                              |
| 5000000931      | 26.06.2017   | -51.519,24                                                                             |
| 7800006816      | 30.09.2016   | 51.515,83                                                                              |
| 7800001594      | 31.03.2016   | 51.025,47                                                                              |
| 7800002963      | 31.05.2012   | 50.468,67                                                                              |
| 7800005497      | 31.07.2016   | 50.315,69                                                                              |
| 7800002402      | 30.04.2016   | 50.253,66                                                                              |
| 7800004096      | 30.06.2016   | 50.193,45                                                                              |
| 7800008626      | 31.12.2015   | 50.153,51                                                                              |
| 7800002262      | 30.04.2012   | 50.112,86                                                                              |
| 7800003467      | 31.05.2015   | 50.070,13                                                                              |
| 7800000083      | 31.01.2016   | 49.976,39                                                                              |
| 7800001462      | 29.02.2016   | 49.767,17                                                                              |
| 7800002458      | 30.04.2015   | 49.653,13                                                                              |
| 7800007031      | 31.10.2015   | 49.570,19                                                                              |
| 7800004386      | 31.07.2012   | 49.466,11                                                                              |
| 7800008408      | 30.11.2015   | 49.310,17                                                                              |
| 7800003913      | 30.06.2015   | 49.064,45                                                                              |
| 5000001009      | 30.06.2017   | -48.898,33                                                                             |
| 7800005470      | 31.08.2015   | 48.866,55                                                                              |
| 7800006139      | 30.09.2015   | 48.846,94                                                                              |
| 7800001555      | 31.03.2012   | 48.741,93                                                                              |
| 7800007370      | 31.12.2011   | 48.425,72                                                                              |
| 7800005158      | 31.07.2015   | 48.416,86                                                                              |
| 7800000138      | 31.01.2012   | 48.213,93                                                                              |
| 7800000845      | 29.02.2012   | 48.010,79                                                                              |
| 7800001827      | 31.03.2015   | 47.197,71                                                                              |
| 7800000202      | 31.01.2015   | 47.190,75                                                                              |
| 7800006921      | 30.11.2011   | 47.174,70                                                                              |
| 5000000498      | 17.04.2013   | 47.164,35                                                                              |
| 7800008422      | 31.12.2014   | 46.967,00                                                                              |
| 7800008422      | 31.12.2014   | -46.967,00                                                                             |
| 7800000861      | 28.02.2015   | 46.761,48                                                                              |
| 7800006204      | 31.10.2011   | 46.703,21                                                                              |
| 7800000083      | 31.01.2016   | 46.642,22                                                                              |
| 7800005087      | 31.08.2012   | 46.472,75                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800002416      | 30.04.2014   | 46.274,30                                                                              |
| 7800003754      | 30.06.2014   | 46.216,43                                                                              |
| 7800006663      | 31.10.2014   | 45.846,68                                                                              |
| 7800003029      | 31.05.2014   | 45.704,30                                                                              |
| 7800007421      | 30.11.2014   | 45.682,15                                                                              |
| 7800005662      | 30.09.2011   | 45.527,09                                                                              |
| 7800005913      | 30.09.2014   | 45.443,83                                                                              |
| 7800005140      | 31.08.2014   | 45.361,86                                                                              |
| 5000000501      | 19.04.2013   | 45.352,83                                                                              |
| 7800003386      | 30.06.2011   | 45.269,56                                                                              |
| 7800001549      | 31.03.2014   | 45.181,76                                                                              |
| 7800004657      | 31.07.2014   | 45.171,17                                                                              |
| 7800004681      | 31.08.2011   | 45.094,24                                                                              |
| 7800004288      | 31.07.2013   | 44.896,16                                                                              |
| 7800004288      | 31.07.2013   | -44.896,16                                                                             |
| 7800004091      | 31.07.2011   | 44.654,24                                                                              |
| 7800000124      | 31.01.2014   | 44.509,21                                                                              |
| 7800005734      | 30.09.2012   | 44.405,27                                                                              |
| 7800000202      | 31.01.2015   | 44.325,58                                                                              |
| 7800002599      | 30.04.2011   | 43.961,14                                                                              |
| 7800006412      | 31.10.2012   | 43.923,47                                                                              |
| 7800002727      | 31.05.2011   | 43.645,16                                                                              |
| 7800000124      | 31.01.2014   | 43.424,89                                                                              |
| 7800010169      | 31.12.2017   | 43.295,41                                                                              |
| 7800008162      | 31.10.2017   | -43.295,41                                                                             |
| 7800007579      | 30.11.2012   | 42.977,77                                                                              |
| 5000000481      | 14.04.2016   | -42.158,05                                                                             |
| 7800001333      | 28.02.2014   | 41.923,20                                                                              |
| 7800007992      | 31.12.2013   | 40.685,35                                                                              |
| 5000001095      | 30.06.2012   | 40.619,93                                                                              |
| 5000001095      | 30.06.2012   | -40.619,93                                                                             |
| 7800007788      | 31.12.2012   | 40.552,72                                                                              |
| 7800001562      | 31.03.2011   | 40.487,72                                                                              |
| 7800004553      | 30.06.2017   | 40.073,71                                                                              |
| 7800004553      | 30.06.2017   | -40.073,71                                                                             |
| 7800000777      | 28.02.2011   | 40.070,82                                                                              |
| 5000001172      | 29.09.2015   | 39.982,61                                                                              |
| 5000001415      | 23.11.2015   | 39.846,06                                                                              |
| 7800006487      | 31.10.2013   | 39.842,64                                                                              |
| 7800007127      | 30.11.2013   | 39.802,77                                                                              |
| 7800003663      | 31.05.2017   | 39.616,58                                                                              |
| 7800002740      | 30.04.2017   | 39.595,60                                                                              |
| 7800002740      | 30.04.2017   | -39.595,60                                                                             |
| 5000001172      | 29.09.2015   | -39.547,75                                                                             |
| 7800006349      | 31.08.2017   | 39.544,86                                                                              |
| 7800006349      | 31.08.2017   | -39.544,86                                                                             |
| 5000000221      | 14.02.2017   | -39.537,60                                                                             |
| 5000001415      | 23.11.2015   | -39.485,39                                                                             |
| 7800005704      | 30.09.2013   | 39.428,87                                                                              |
| 7800000133      | 31.01.2011   | 39.413,76                                                                              |
| 7800005440      | 31.07.2017   | 39.365,40                                                                              |
| 7800005514      | 31.08.2013   | 39.093,72                                                                              |
| 7800008162      | 31.10.2017   | 38.721,73                                                                              |
| 7800002892      | 31.05.2013   | 38.524,99                                                                              |
| 7800007359      | 30.09.2017   | 38.518,70                                                                              |
| 7800007359      | 30.09.2017   | -38.518,70                                                                             |
| 5000002415      | 31.12.2017   | 38.503,82                                                                              |
| 5000002415      | 31.12.2017   | -38.503,82                                                                             |
| 7800001980      | 31.03.2017   | 38.452,31                                                                              |
| 7800001980      | 31.03.2017   | -38.452,31                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800000958      | 28.02.2017   | 38.350,59                                                                              |
| 7800000958      | 28.02.2017   | -38.350,59                                                                             |
| 7800007278      | 31.12.2010   | 38.107,96                                                                              |
| 7800000099      | 31.01.2013   | 38.082,76                                                                              |
| 7800004288      | 31.07.2013   | 37.988,22                                                                              |
| 7800004288      | 31.07.2013   | -37.988,22                                                                             |
| 7800000096      | 31.01.2017   | 37.977,59                                                                              |
| 7800000096      | 31.01.2017   | -37.977,59                                                                             |
| 5000001123      | 16.09.2015   | 37.733,23                                                                              |
| 5000001123      | 16.09.2015   | -37.668,67                                                                             |
| 7800001229      | 28.02.2013   | 37.453,51                                                                              |
| 7800001229      | 28.02.2013   | -37.453,51                                                                             |
| 7800001901      | 31.03.2013   | 37.196,78                                                                              |
| 7800001901      | 31.03.2013   | -37.196,78                                                                             |
| 5000000158      | 22.02.2016   | 37.078,09                                                                              |
| 7800003663      | 30.06.2013   | 37.039,20                                                                              |
| 7800002692      | 30.04.2013   | 36.935,10                                                                              |
| 5000000158      | 22.02.2016   | -36.889,28                                                                             |
| 5000001443      | 30.09.2017   | -36.755,63                                                                             |
| 7800010169      | 31.12.2017   | 36.039,17                                                                              |
| 7800010169      | 31.12.2017   | -36.039,17                                                                             |
| 7800009364      | 30.11.2017   | 36.004,09                                                                              |
| 7800000845      | 29.02.2012   | 35.972,70                                                                              |
| 5000001001      | 30.06.2017   | -35.925,30                                                                             |
| 5000000763      | 30.06.2016   | -35.802,15                                                                             |
| 7800001229      | 28.02.2013   | 35.686,22                                                                              |
| 7800001229      | 28.02.2013   | -35.686,22                                                                             |
| 7800007002      | 30.11.2010   | 35.246,49                                                                              |
| 7800002402      | 30.04.2016   | 34.242,14                                                                              |
| 7800004096      | 30.06.2016   | 34.121,61                                                                              |
| 7800003517      | 31.05.2016   | 34.095,80                                                                              |
| 5000001878      | 30.09.2011   | -33.833,21                                                                             |
| 5000000661      | 01.06.2015   | 33.664,68                                                                              |
| 5000002930      | 31.12.2011   | 33.643,78                                                                              |
| 5000000661      | 01.06.2015   | -33.614,17                                                                             |
| 7800001462      | 29.02.2016   | 33.431,04                                                                              |
| 7800006461      | 31.08.2016   | 33.371,07                                                                              |
| 7800006461      | 31.08.2016   | -33.371,07                                                                             |
| 7800001594      | 31.03.2016   | 33.343,46                                                                              |
| 7800007440      | 31.10.2016   | 33.222,18                                                                              |
| 5000002112      | 14.12.2017   | -33.072,59                                                                             |
| 7800007421      | 30.11.2014   | 33.067,11                                                                              |
| 7800006816      | 30.09.2016   | 33.009,95                                                                              |
| 7800000083      | 31.01.2016   | 32.951,16                                                                              |
| 5000001454      | 14.09.2017   | -32.924,25                                                                             |
| 7800005497      | 31.07.2016   | 32.824,20                                                                              |
| 5000000466      | 14.03.2017   | -32.814,74                                                                             |
| 5000000221      | 14.02.2017   | -32.734,36                                                                             |
| 7800006663      | 31.10.2014   | 32.597,59                                                                              |
| 7800005913      | 30.09.2014   | 32.574,57                                                                              |
| 7800005140      | 31.08.2014   | 32.513,87                                                                              |
| 5000001921      | 31.12.2013   | 32.381,30                                                                              |
| 7800000777      | 28.02.2011   | 32.307,44                                                                              |
| 7800005969      | 31.10.2010   | 31.998,19                                                                              |
| 7800004657      | 31.07.2014   | 31.970,56                                                                              |
| 7800008422      | 31.12.2014   | 31.963,61                                                                              |
| 7800008422      | 31.12.2014   | -31.963,61                                                                             |
| 7800003754      | 30.06.2014   | 31.904,67                                                                              |
| 5000000252      | 03.03.2016   | -31.658,99                                                                             |
| 7800003029      | 31.05.2014   | 31.590,27                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000243      | 11.03.2015   | -31.474,76                                                                             |
| 7800003913      | 30.06.2015   | 31.458,74                                                                              |
| 5000000243      | 11.03.2015   | 31.349,00                                                                              |
| 7800001229      | 28.02.2013   | 31.318,99                                                                              |
| 7800001229      | 28.02.2013   | -31.318,99                                                                             |
| 7800000133      | 31.01.2011   | 31.313,61                                                                              |
| 7800003467      | 31.05.2015   | 31.293,72                                                                              |
| 7800002458      | 30.04.2015   | 31.245,87                                                                              |
| 7800009295      | 31.12.2016   | 31.212,93                                                                              |
| 5000000810      | 16.05.2012   | 31.192,35                                                                              |
| 5000001757      | 14.11.2017   | -30.996,65                                                                             |
| 5000001722      | 01.11.2017   | -30.955,27                                                                             |
| 7800005470      | 31.08.2015   | 30.847,67                                                                              |
| 5000001884      | 30.09.2011   | 30.804,20                                                                              |
| 7800005158      | 31.07.2015   | 30.796,77                                                                              |
| 5000001226      | 01.08.2017   | -30.775,35                                                                             |
| 5000000481      | 14.04.2016   | -30.727,20                                                                             |
| 7800002416      | 30.04.2014   | 30.679,43                                                                              |
| 5000000355      | 31.03.2015   | -30.635,76                                                                             |
| 7800007031      | 31.10.2015   | 30.601,98                                                                              |
| 7800000857      | 28.02.2010   | 30.560,69                                                                              |
| 7800008381      | 30.11.2016   | 30.495,23                                                                              |
| 7800006139      | 30.09.2015   | 30.236,86                                                                              |
| 7800001827      | 31.03.2015   | 29.871,23                                                                              |
| 5000001898      | 14.11.2017   | 29.717,99                                                                              |
| 5000002172      | 14.12.2010   | 29.673,00                                                                              |
| 7800000861      | 28.02.2015   | 29.668,70                                                                              |
| 5000001898      | 14.11.2017   | -29.656,96                                                                             |
| 5000001291      | 15.08.2017   | -29.578,30                                                                             |
| 7800000202      | 31.01.2015   | 29.385,76                                                                              |
| 7800005734      | 30.09.2012   | 28.946,96                                                                              |
| 7800008408      | 30.11.2015   | 28.908,16                                                                              |
| 5000001721      | 29.12.2015   | 28.858,84                                                                              |
| 5000001721      | 29.12.2015   | -28.652,01                                                                             |
| 7800008626      | 31.12.2015   | 28.606,67                                                                              |
| 7800001549      | 31.03.2014   | 28.577,24                                                                              |
| 5000000157      | 22.02.2016   | -28.410,20                                                                             |
| 5000000157      | 22.02.2016   | -28.330,97                                                                             |
| 7800005664      | 30.09.2010   | 28.190,17                                                                              |
| 5000000906      | 14.06.2017   | -27.953,27                                                                             |
| 5000000797      | 16.05.2017   | -27.918,60                                                                             |
| 5000001815      | 31.12.2014   | 27.860,70                                                                              |
| 5000001437      | 30.09.2017   | 27.640,00                                                                              |
| 5000000416      | 13.03.2012   | -27.546,71                                                                             |
| 5000000661      | 18.04.2017   | -27.187,96                                                                             |
| 5000001529      | 31.08.2011   | 27.089,30                                                                              |
| 5000001732      | 30.09.2011   | 27.089,30                                                                              |
| 5000002075      | 31.10.2011   | 27.089,30                                                                              |
| 5000002285      | 30.11.2011   | 27.089,30                                                                              |
| 5000000355      | 31.03.2015   | -26.984,15                                                                             |
| 5000000762      | 30.06.2015   | 26.904,65                                                                              |
| 5000000762      | 30.06.2015   | -26.774,72                                                                             |
| 5000000379      | 03.03.2016   | 26.582,48                                                                              |
| 5000000970      | 30.06.2017   | 26.173,47                                                                              |
| 7800004553      | 30.06.2017   | -26.173,47                                                                             |
| 7800001333      | 28.02.2014   | 26.098,40                                                                              |
| 5000000946      | 27.06.2017   | 25.840,00                                                                              |
| 5000000660      | 01.06.2015   | -25.709,91                                                                             |
| 5000001815      | 31.12.2014   | 25.669,00                                                                              |
| 5000001454      | 14.09.2017   | 25.663,21                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000660      | 01.06.2015   | 25.535,06                                                                              |
| 5000001722      | 01.11.2017   | 25.416,15                                                                              |
| 5000001861      | 31.12.2015   | 25.219,25                                                                              |
| 5000000196      | 05.02.2015   | 25.053,07                                                                              |
| 7800010169      | 31.12.2017   | 24.974,48                                                                              |
| 7800010169      | 31.12.2017   | -24.974,48                                                                             |
| 7800009364      | 30.11.2017   | 24.907,78                                                                              |
| 7800008162      | 31.10.2017   | 24.821,82                                                                              |
| 7800006349      | 31.08.2017   | 24.651,44                                                                              |
| 7800006349      | 31.08.2017   | -24.651,44                                                                             |
| 7800007359      | 30.09.2017   | 24.347,98                                                                              |
| 7800007359      | 30.09.2017   | -24.347,98                                                                             |
| 5000000599      | 17.05.2016   | 24.300,92                                                                              |
| 5000000706      | 23.06.2016   | -24.300,92                                                                             |
| 5000000706      | 23.06.2016   | 24.300,90                                                                              |
| 5000000599      | 17.05.2016   | -24.274,58                                                                             |
| 5000001226      | 01.08.2017   | 24.180,11                                                                              |
| 5000000361      | 02.03.2017   | -23.911,01                                                                             |
| 5000000692      | 14.06.2016   | -23.864,32                                                                             |
| 5000000692      | 14.06.2016   | 23.853,14                                                                              |
| 5000000361      | 02.03.2017   | 23.692,32                                                                              |
| 5000000896      | 14.07.2016   | -23.384,03                                                                             |
| 7800005440      | 31.07.2017   | 23.374,30                                                                              |
| 5000000885      | 21.07.2015   | 23.160,09                                                                              |
| 5000001234      | 14.10.2016   | -23.124,01                                                                             |
| 7800000124      | 31.01.2014   | 23.104,90                                                                              |
| 5000000885      | 21.07.2015   | -23.061,10                                                                             |
| 5000001653      | 14.12.2016   | -23.025,89                                                                             |
| 7800004553      | 30.06.2017   | 22.855,85                                                                              |
| 7800004553      | 30.06.2017   | -22.855,85                                                                             |
| 7800008162      | 31.10.2017   | -22.674,93                                                                             |
| 5000000797      | 16.05.2017   | 22.532,17                                                                              |
| 5000000338      | 31.03.2015   | -22.161,75                                                                             |
| 5000000493      | 06.03.2012   | 22.154,84                                                                              |
| 5000000493      | 06.03.2012   | -22.154,84                                                                             |
| 5000000338      | 31.03.2015   | 22.059,98                                                                              |
| 7800005143      | 31.08.2010   | 21.993,94                                                                              |
| 7800002740      | 30.04.2017   | 21.883,15                                                                              |
| 7800002740      | 30.04.2017   | -21.883,15                                                                             |
| 7800003663      | 31.05.2017   | 21.874,96                                                                              |
| 5000000685      | 14.06.2016   | -21.747,28                                                                             |
| 7800000958      | 28.02.2017   | 21.729,58                                                                              |
| 7800000958      | 28.02.2017   | -21.729,58                                                                             |
| 5000001149      | 14.09.2016   | -21.517,04                                                                             |
| 5000000264      | 15.03.2016   | -21.512,94                                                                             |
| 5000000583      | 17.05.2016   | -21.503,90                                                                             |
| 5000000502      | 19.04.2013   | -21.280,18                                                                             |
| 5000000661      | 18.04.2017   | 21.246,68                                                                              |
| 7800001980      | 31.03.2017   | 21.192,98                                                                              |
| 7800001980      | 31.03.2017   | -21.192,98                                                                             |
| 5000000118      | 16.01.2017   | -21.122,11                                                                             |
| 5000001391      | 15.11.2016   | -21.117,06                                                                             |
| 5000002926      | 31.12.2011   | -20.955,66                                                                             |
| 5000001007      | 16.08.2016   | -20.934,52                                                                             |
| 5000001861      | 31.12.2015   | 20.748,70                                                                              |
| 7800010169      | 31.12.2017   | -20.620,48                                                                             |
| 5000001437      | 25.11.2015   | 20.324,51                                                                              |
| 5000001437      | 25.11.2015   | -20.206,05                                                                             |
| 5000000128      | 08.02.2016   | 20.169,64                                                                              |
| 7800006816      | 30.09.2016   | 20.148,85                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800004096      | 30.06.2016   | 20.093,25                                                                              |
| 7800008381      | 30.11.2016   | 20.062,78                                                                              |
| 5000000128      | 08.02.2016   | -20.024,19                                                                             |
| 7800001594      | 31.03.2016   | 19.982,21                                                                              |
| 7800003517      | 31.05.2016   | 19.981,98                                                                              |
| 7800007440      | 31.10.2016   | 19.846,65                                                                              |
| 7800009295      | 31.12.2016   | 19.809,19                                                                              |
| 5000001816      | 30.11.2012   | 19.803,61                                                                              |
| 5000001816      | 30.11.2012   | -19.803,61                                                                             |
| 5000001149      | 14.09.2016   | 19.727,14                                                                              |
| 7800006461      | 31.08.2016   | 19.675,26                                                                              |
| 7800006461      | 31.08.2016   | -19.675,26                                                                             |
| 7800002402      | 30.04.2016   | 19.603,67                                                                              |
| 7800005497      | 31.07.2016   | 19.234,26                                                                              |
| 7800001462      | 29.02.2016   | 19.182,36                                                                              |
| 5000000203      | 28.02.2014   | -18.859,36                                                                             |
| 7800002458      | 30.04.2015   | 18.806,00                                                                              |
| 7800008626      | 31.12.2015   | 18.750,77                                                                              |
| 7800006139      | 30.09.2015   | 18.536,91                                                                              |
| 7800003467      | 31.05.2015   | 18.536,05                                                                              |
| 7800005158      | 31.07.2015   | 18.521,73                                                                              |
| 5000000240      | 10.03.2015   | -18.465,19                                                                             |
| 7800007031      | 31.10.2015   | 18.379,67                                                                              |
| 7800003913      | 30.06.2015   | 18.359,45                                                                              |
| 7800003831      | 30.06.2012   | 18.327,62                                                                              |
| 7800005470      | 31.08.2015   | 18.209,36                                                                              |
| 5000000361      | 02.03.2017   | -18.164,67                                                                             |
| 5000000361      | 02.03.2017   | 18.133,70                                                                              |
| 7800008408      | 30.11.2015   | 18.059,05                                                                              |
| 7800003754      | 30.06.2014   | 18.019,03                                                                              |
| 7800000133      | 31.01.2011   | 17.802,38                                                                              |
| 7800002963      | 31.05.2012   | 17.749,35                                                                              |
| 7800006663      | 31.10.2014   | 17.710,92                                                                              |
| 7800002262      | 30.04.2012   | 17.705,84                                                                              |
| 5000001639      | 26.10.2012   | 17.680,03                                                                              |
| 5000001639      | 26.10.2012   | -17.680,03                                                                             |
| 7800004657      | 31.07.2014   | 17.672,81                                                                              |
| 5000000098      | 14.01.2015   | 17.628,41                                                                              |
| 7800008422      | 31.12.2014   | 17.627,74                                                                              |
| 7800008422      | 31.12.2014   | -17.627,74                                                                             |
| 5000000592      | 28.05.2015   | -17.568,70                                                                             |
| 7800001827      | 31.03.2015   | 17.539,39                                                                              |
| 7800001555      | 31.03.2012   | 17.526,21                                                                              |
| 7800007421      | 30.11.2014   | 17.501,73                                                                              |
| 7800006921      | 30.11.2011   | 17.441,44                                                                              |
| 7800007370      | 31.12.2011   | 17.383,69                                                                              |
| 7800007278      | 31.12.2010   | 17.358,92                                                                              |
| 7800000861      | 28.02.2015   | 17.351,65                                                                              |
| 7800000138      | 31.01.2012   | 17.312,92                                                                              |
| 7800005913      | 30.09.2014   | 17.276,26                                                                              |
| 7800000845      | 29.02.2012   | 17.259,98                                                                              |
| 5000000486      | 14.04.2016   | -17.222,02                                                                             |
| 7800005140      | 31.08.2014   | 17.221,46                                                                              |
| 5000000486      | 14.04.2016   | 17.214,16                                                                              |
| 7800006204      | 31.10.2011   | 17.204,10                                                                              |
| 5000000124      | 05.02.2016   | -17.090,41                                                                             |
| 7800002416      | 30.04.2014   | 17.031,38                                                                              |
| 7800005662      | 30.09.2011   | 17.029,83                                                                              |
| 7800003386      | 30.06.2011   | 16.978,85                                                                              |
| 7800009364      | 30.11.2017   | 16.895,05                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800004681      | 31.08.2011   | 16.891,24                                                                              |
| 5000001398      | 17.11.2015   | -16.855,45                                                                             |
| 5000002112      | 14.12.2017   | -16.798,74                                                                             |
| 5000001042      | 31.08.2015   | -16.748,75                                                                             |
| 5000001757      | 14.11.2017   | -16.721,38                                                                             |
| 5000001310      | 18.10.2013   | -16.719,81                                                                             |
| 7800004091      | 31.07.2011   | 16.677,09                                                                              |
| 7800005734      | 30.09.2012   | 16.671,81                                                                              |
| 7800004386      | 31.07.2012   | 16.664,33                                                                              |
| 7800002599      | 30.04.2011   | 16.563,52                                                                              |
| 5000000928      | 14.07.2016   | -16.524,71                                                                             |
| 5000000379      | 03.03.2016   | 16.508,56                                                                              |
| 5000000252      | 03.03.2016   | -16.472,70                                                                             |
| 5000000928      | 14.07.2016   | 16.435,49                                                                              |
| 7800002727      | 31.05.2011   | 16.356,53                                                                              |
| 5000001408      | 01.09.2017   | -16.328,10                                                                             |
| 5000001454      | 14.09.2017   | -16.326,22                                                                             |
| 5000001408      | 01.09.2017   | 16.305,96                                                                              |
| 5000000301      | 26.03.2013   | -16.237,54                                                                             |
| 5000001119      | 30.09.2016   | 16.196,76                                                                              |
| 5000001722      | 01.11.2017   | -16.184,69                                                                             |
| 7800001549      | 31.03.2014   | 16.073,46                                                                              |
| 7800003029      | 31.05.2014   | 16.039,60                                                                              |
| 5000002507      | 31.12.2017   | 16.029,84                                                                              |
| 7800004553      | 30.06.2017   | 16.007,93                                                                              |
| 7800004553      | 30.06.2017   | -16.007,93                                                                             |
| 7800006349      | 31.08.2017   | 15.975,08                                                                              |
| 7800006349      | 31.08.2017   | -15.975,08                                                                             |
| 5000000379      | 03.03.2016   | 15.928,91                                                                              |
| 7800001229      | 28.02.2013   | 15.816,13                                                                              |
| 7800001229      | 28.02.2013   | -15.816,13                                                                             |
| 5000001898      | 31.12.2016   | 15.778,86                                                                              |
| 5000001629      | 31.12.2014   | 15.711,42                                                                              |
| 5000000702      | 25.06.2015   | -15.686,13                                                                             |
| 5000001226      | 01.08.2017   | -15.663,60                                                                             |
| 5000001291      | 15.08.2017   | -15.626,80                                                                             |
| 5000000252      | 03.03.2016   | -15.626,61                                                                             |
| 7800000777      | 28.02.2011   | 15.517,13                                                                              |
| 7800001562      | 31.03.2011   | 15.503,07                                                                              |
| 7800000133      | 31.01.2011   | 15.489,13                                                                              |
| 5000001436      | 25.11.2015   | -15.459,31                                                                             |
| 5000000875      | 21.07.2015   | -15.379,84                                                                             |
| 5000001142      | 29.09.2015   | -15.345,98                                                                             |
| 5000001713      | 29.12.2015   | -15.321,23                                                                             |
| 7800005440      | 31.07.2017   | 15.315,38                                                                              |
| 7800003831      | 30.06.2012   | 15.166,62                                                                              |
| 7800008381      | 30.11.2016   | 15.160,99                                                                              |
| 5000002118      | 31.12.2017   | 15.121,49                                                                              |
| 5000000906      | 14.06.2017   | -15.103,71                                                                             |
| 5000000221      | 14.02.2017   | -15.056,95                                                                             |
| 7800000958      | 28.02.2017   | 15.056,55                                                                              |
| 7800000958      | 28.02.2017   | -15.056,55                                                                             |
| 5000002415      | 31.12.2017   | 15.051,50                                                                              |
| 5000002415      | 31.12.2017   | -15.051,50                                                                             |
| 7800002963      | 31.05.2012   | 15.012,11                                                                              |
| 5000001757      | 14.11.2017   | -14.988,97                                                                             |
| 5000000596      | 28.05.2015   | -14.959,73                                                                             |
| 7800001333      | 28.02.2014   | 14.956,95                                                                              |
| 5000000271      | 15.03.2016   | 14.948,22                                                                              |
| 5000000271      | 15.03.2016   | -14.924,68                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001776      | 23.11.2012   | 14.881,77                                                                              |
| 5000000128      | 08.02.2016   | -14.840,19                                                                             |
| 5000000797      | 16.05.2017   | -14.801,87                                                                             |
| 5000000128      | 08.02.2016   | 14.782,10                                                                              |
| 7800006921      | 30.11.2011   | 14.767,02                                                                              |
| 5000000896      | 14.07.2016   | -14.747,01                                                                             |
| 5000001245      | 14.10.2016   | 14.681,17                                                                              |
| 5000001245      | 14.10.2016   | -14.662,15                                                                             |
| 5000002112      | 14.12.2017   | -14.626,82                                                                             |
| 5000001722      | 01.11.2017   | -14.617,00                                                                             |
| 7800002262      | 30.04.2012   | 14.567,62                                                                              |
| 5000000679      | 18.04.2017   | -14.554,04                                                                             |
| 5000000679      | 18.04.2017   | 14.542,22                                                                              |
| 5000001454      | 14.09.2017   | -14.494,35                                                                             |
| 7800006816      | 30.09.2016   | 14.443,95                                                                              |
| 5000000661      | 18.04.2017   | -14.393,87                                                                             |
| 7800004096      | 30.06.2016   | 14.388,29                                                                              |
| 5000001007      | 16.08.2016   | -14.378,90                                                                             |
| 7800000845      | 29.02.2012   | 14.276,13                                                                              |
| 7800001555      | 31.03.2012   | 14.236,90                                                                              |
| 7800004386      | 31.07.2012   | 14.224,84                                                                              |
| 7800007370      | 31.12.2011   | 14.161,71                                                                              |
| 5000000240      | 10.03.2015   | -14.076,65                                                                             |
| 7800000138      | 31.01.2012   | 13.942,51                                                                              |
| 5000001291      | 15.08.2017   | -13.899,85                                                                             |
| 5000000252      | 03.03.2016   | -13.815,10                                                                             |
| 7800005969      | 31.10.2010   | 13.762,53                                                                              |
| 7800005087      | 31.08.2012   | 13.696,96                                                                              |
| 7800006204      | 31.10.2011   | 13.685,90                                                                              |
| 7800005662      | 30.09.2011   | 13.665,55                                                                              |
| 7800010169      | 31.12.2017   | 13.565,14                                                                              |
| 7800010169      | 31.12.2017   | -13.565,14                                                                             |
| 5000001149      | 14.09.2016   | -13.518,29                                                                             |
| 7800008162      | 31.10.2017   | 13.512,90                                                                              |
| 5000001653      | 14.12.2016   | -13.502,82                                                                             |
| 7800001594      | 31.03.2016   | 13.489,56                                                                              |
| 5000001391      | 15.11.2016   | -13.448,00                                                                             |
| 7800003386      | 30.06.2011   | 13.432,96                                                                              |
| 5000001909      | 31.12.2013   | 13.387,60                                                                              |
| 5000000118      | 16.01.2017   | -13.330,86                                                                             |
| 7800004681      | 31.08.2011   | 13.251,40                                                                              |
| 5000000583      | 17.05.2016   | -13.228,71                                                                             |
| 7800007359      | 30.09.2017   | 13.195,29                                                                              |
| 7800007359      | 30.09.2017   | -13.195,29                                                                             |
| 5000000685      | 14.06.2016   | -13.185,44                                                                             |
| 7800005087      | 31.08.2012   | 13.102,63                                                                              |
| 7800004091      | 31.07.2011   | 13.058,15                                                                              |
| 5000001226      | 01.08.2017   | -13.052,89                                                                             |
| 5000001234      | 14.10.2016   | -13.023,04                                                                             |
| 7800005440      | 31.07.2017   | 12.980,12                                                                              |
| 5000001899      | 31.12.2016   | 12.923,72                                                                              |
| 5000000797      | 16.05.2017   | -12.886,18                                                                             |
| 5000000906      | 14.06.2017   | -12.815,93                                                                             |
| 7800002599      | 30.04.2011   | 12.805,10                                                                              |
| 5000000702      | 25.06.2015   | -12.774,06                                                                             |
| 5000000124      | 05.02.2016   | -12.761,62                                                                             |
| 5000000592      | 28.05.2015   | -12.755,38                                                                             |
| 5000001436      | 25.11.2015   | -12.725,93                                                                             |
| 7800002727      | 31.05.2011   | 12.717,96                                                                              |
| 7800008626      | 31.12.2015   | 12.710,22                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000118      | 16.01.2017   | -12.704,37                                                                             |
| 5000000875      | 21.07.2015   | -12.688,86                                                                             |
| 7800003663      | 31.05.2017   | 12.685,05                                                                              |
| 5000001398      | 17.11.2015   | -12.659,99                                                                             |
| 5000001142      | 29.09.2015   | -12.638,56                                                                             |
| 5000001042      | 31.08.2015   | -12.622,50                                                                             |
| 5000000350      | 10.03.2015   | -12.621,99                                                                             |
| 5000000685      | 14.06.2016   | -12.614,85                                                                             |
| 5000001007      | 16.08.2016   | -12.568,75                                                                             |
| 5000001391      | 15.11.2016   | -12.532,14                                                                             |
| 7800002740      | 30.04.2017   | 12.522,18                                                                              |
| 7800002740      | 30.04.2017   | -12.522,18                                                                             |
| 5000001713      | 29.12.2015   | -12.510,83                                                                             |
| 5000001149      | 14.09.2016   | -12.493,61                                                                             |
| 5000000661      | 18.04.2017   | -12.464,71                                                                             |
| 5000001234      | 14.10.2016   | -12.464,50                                                                             |
| 5000001653      | 14.12.2016   | -12.453,41                                                                             |
| 5000000896      | 14.07.2016   | -12.444,69                                                                             |
| 5000000264      | 15.03.2016   | -12.416,07                                                                             |
| 5000001415      | 23.11.2015   | -12.411,15                                                                             |
| 5000001415      | 23.11.2015   | 12.375,20                                                                              |
| 7800009295      | 31.12.2016   | 12.347,87                                                                              |
| 5000001177      | 30.09.2016   | -12.314,81                                                                             |
| 7800007278      | 31.12.2010   | 12.308,16                                                                              |
| 7800007579      | 30.11.2012   | 12.283,56                                                                              |
| 5000000583      | 17.05.2016   | -12.244,16                                                                             |
| 7800005664      | 30.09.2010   | 12.199,73                                                                              |
| 5000001436      | 25.11.2015   | -12.166,44                                                                             |
| 7800001980      | 31.03.2017   | 12.164,80                                                                              |
| 7800001980      | 31.03.2017   | -12.164,80                                                                             |
| 5000000596      | 28.05.2015   | -12.119,12                                                                             |
| 5000000332      | 10.03.2015   | 12.068,55                                                                              |
| 7800002612      | 30.04.2017   | -12.003,55                                                                             |
| 7800000096      | 31.01.2017   | 11.994,98                                                                              |
| 7800000096      | 31.01.2017   | -11.994,98                                                                             |
| 5000000264      | 15.03.2016   | -11.988,21                                                                             |
| 5000000196      | 05.02.2015   | 11.980,02                                                                              |
| 5000002401      | 31.12.2017   | 11.963,88                                                                              |
| 5000000379      | 03.03.2016   | 11.952,57                                                                              |
| 7800000777      | 28.02.2011   | 11.943,89                                                                              |
| 5000000075      | 31.01.2013   | -11.935,15                                                                             |
| 5000000477      | 31.03.2017   | -11.934,04                                                                             |
| 5000000157      | 22.02.2016   | -11.927,00                                                                             |
| 5000000350      | 10.03.2015   | 11.922,35                                                                              |
| 7800006412      | 31.10.2012   | 11.884,72                                                                              |
| 5000001766      | 13.11.2012   | 11.884,72                                                                              |
| 5000001969      | 01.12.2012   | -11.884,72                                                                             |
| 7800001562      | 31.03.2011   | 11.840,27                                                                              |
| 5000001713      | 29.12.2015   | -11.811,25                                                                             |
| 7800005734      | 30.09.2012   | 11.795,85                                                                              |
| 5000001398      | 17.11.2015   | -11.721,37                                                                             |
| 5000001142      | 29.09.2015   | -11.610,54                                                                             |
| 5000000875      | 21.07.2015   | -11.602,52                                                                             |
| 5000000702      | 25.06.2015   | -11.577,57                                                                             |
| 5000000809      | 16.05.2017   | 11.577,11                                                                              |
| 5000000809      | 16.05.2017   | -11.574,83                                                                             |
| 7800006461      | 31.08.2016   | 11.551,06                                                                              |
| 7800006461      | 31.08.2016   | -11.551,06                                                                             |
| 5000000776      | 19.06.2013   | -11.515,38                                                                             |
| 7800007440      | 31.10.2016   | 11.509,50                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000124      | 05.02.2016   | -11.506,73                                                                             |
| 5000000776      | 19.06.2013   | 11.499,31                                                                              |
| 5000001042      | 31.08.2015   | -11.483,03                                                                             |
| 5000000741      | 30.04.2012   | 11.366,14                                                                              |
| 5000000799      | 31.05.2012   | 11.366,14                                                                              |
| 5000000963      | 30.06.2012   | 11.366,14                                                                              |
| 5000001173      | 31.07.2012   | 11.366,14                                                                              |
| 5000001308      | 31.08.2012   | 11.366,14                                                                              |
| 5000001418      | 30.09.2012   | 11.366,14                                                                              |
| 5000001629      | 31.10.2012   | 11.366,14                                                                              |
| 5000001785      | 30.11.2012   | 11.366,14                                                                              |
| 5000001979      | 31.12.2012   | 11.366,14                                                                              |
| 5000001620      | 13.10.2012   | -11.362,28                                                                             |
| 7800006139      | 30.09.2015   | 11.312,01                                                                              |
| 5000000592      | 28.05.2015   | -11.308,83                                                                             |
| 5000001008      | 16.08.2016   | -11.298,34                                                                             |
| 7800005497      | 31.07.2016   | 11.223,78                                                                              |
| 5000001008      | 16.08.2016   | 11.214,85                                                                              |
| 7800003517      | 31.05.2016   | 11.143,78                                                                              |
| 7800002402      | 30.04.2016   | 11.121,40                                                                              |
| 5000001898      | 31.12.2016   | 11.042,85                                                                              |
| 7800005158      | 31.07.2015   | 10.972,22                                                                              |
| 5000000466      | 14.03.2017   | -10.965,45                                                                             |
| 5000000928      | 14.07.2016   | -10.951,05                                                                             |
| 5000000928      | 14.07.2016   | 10.920,49                                                                              |
| 5000002034      | 31.12.2012   | 10.845,19                                                                              |
| 5000002034      | 31.12.2012   | -10.845,19                                                                             |
| 5000001226      | 01.08.2017   | -10.843,14                                                                             |
| 7800006412      | 31.10.2012   | 10.652,74                                                                              |
| 7800007579      | 30.11.2012   | 10.592,82                                                                              |
| 7800001462      | 29.02.2016   | 10.559,95                                                                              |
| 5000000240      | 10.03.2015   | -10.549,62                                                                             |
| 5000000596      | 28.05.2015   | -10.483,85                                                                             |
| 5000001925      | 31.12.2013   | 10.369,71                                                                              |
| 5000001925      | 31.12.2013   | -10.369,71                                                                             |
| 7800007788      | 31.12.2012   | 10.343,96                                                                              |
| 7800005143      | 31.08.2010   | 10.325,10                                                                              |
| 7800002458      | 30.04.2015   | 10.314,44                                                                              |
| 5000001476      | 30.09.2017   | -10.267,87                                                                             |
| 7800000083      | 31.01.2016   | 10.154,89                                                                              |
| 5000001175      | 30.09.2016   | -10.147,83                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## III. Provisions for cost of sales

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002048      | 31.12.2017   | 8.150.000,00                                                                           |
| 5000001724      | 30.11.2017   | 7.830.000,00                                                                           |
| 5000001620      | 31.10.2017   | 7.343.000,00                                                                           |
| 5000000234      | 28.02.2017   | 2.000.000,00                                                                           |
| 9501048680      | 01.08.2002   | 521.925,28                                                                             |
| 5000000319      | 31.03.2005   | 266.358,10                                                                             |
| 5000001785      | 30.11.2017   | 145.000,00                                                                             |
| 9500837512      | 02.05.2002   | -111.868,20                                                                            |
| 9509183770      | 09.12.2010   | -108.435,91                                                                            |
| 9500087155      | 01.08.2002   | -90.704,99                                                                             |
| 9507257191      | 15.01.2009   | -80.772,57                                                                             |
| 9506737064      | 10.07.2008   | -79.910,13                                                                             |
| 5000001150      | 30.09.2005   | -79.322,94                                                                             |
| 2300005265      | 23.11.2011   | -75.501,40                                                                             |
| 9500975128      | 02.07.2002   | -70.142,61                                                                             |
| 5000001186      | 30.11.2006   | -67.037,23                                                                             |
| 9508260207      | 20.01.2010   | -64.455,70                                                                             |
| 9512016028      | 13.11.2013   | -63.478,16                                                                             |
| 5000001782      | 27.09.2011   | -60.835,89                                                                             |
| 9505167390      | 22.01.2007   | -60.470,24                                                                             |
| 9513835414      | 09.12.2015   | -59.894,14                                                                             |
| 9501155825      | 19.09.2002   | -59.866,44                                                                             |
| 9500392151      | 01.08.2002   | -58.685,67                                                                             |
| 9511846671      | 10.09.2013   | -58.298,48                                                                             |
| 9501051788      | 02.08.2002   | -57.157,36                                                                             |
| 9509381670      | 28.02.2011   | -56.576,77                                                                             |
| 9501420088      | 21.01.2003   | -55.423,67                                                                             |
| 9506675053      | 20.06.2008   | 54.751,77                                                                              |
| 9500812637      | 02.04.2002   | -54.239,92                                                                             |
| 9512161510      | 15.01.2014   | -53.483,94                                                                             |
| 9511709924      | 17.07.2013   | -53.018,45                                                                             |
| 9511630020      | 20.06.2013   | -51.276,89                                                                             |
| 9500145771      | 01.08.2002   | -50.478,45                                                                             |
| 9500780399      | 09.04.2002   | 49.305,38                                                                              |
| 9508595559      | 19.05.2010   | -48.788,16                                                                             |
| 9504122332      | 02.01.2006   | -48.737,11                                                                             |
| 9511371839      | 15.03.2013   | -47.434,82                                                                             |
| 9514907737      | 19.04.2017   | -45.246,41                                                                             |
| 9500687365      | 27.02.2002   | -44.761,66                                                                             |
| 9511943573      | 16.10.2013   | -42.729,19                                                                             |
| 9500896426      | 29.05.2002   | -42.595,75                                                                             |
| 9501029307      | 24.07.2002   | -42.496,33                                                                             |
| 5200017070      | 30.06.2015   | 41.225,62                                                                              |
| 9500740653      | 20.03.2002   | 40.750,37                                                                              |
| 9501649563      | 23.04.2003   | -39.893,18                                                                             |
| 9501839886      | 09.07.2003   | -38.469,14                                                                             |
| 9500797688      | 16.04.2002   | 37.615,73                                                                              |
| 9500131433      | 01.08.2002   | -37.119,74                                                                             |
| 9501830527      | 07.07.2003   | 36.629,19                                                                              |
| 9511796167      | 21.08.2013   | -36.311,35                                                                             |
| 9502310164      | 30.01.2004   | -34.830,98                                                                             |
| 9507643497      | 02.06.2009   | 34.725,98                                                                              |
| 9507663521      | 09.06.2009   | -34.631,02                                                                             |
| 9501950852      | 27.08.2003   | 34.625,40                                                                              |
| 9512095721      | 11.12.2013   | -34.138,94                                                                             |
| 9501830444      | 07.07.2003   | 33.925,76                                                                              |
| 9511528399      | 15.05.2013   | -33.652,11                                                                             |
| 9508340050      | 16.02.2010   | -32.991,55                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9509511591      | 11.04.2011   | -31.634,03                                                                             |
| 9500625795      | 31.01.2002   | 31.317,89                                                                              |
| 9500625481      | 17.01.2002   | -30.456,06                                                                             |
| 9513835414      | 09.12.2015   | -30.186,63                                                                             |
| 9505153745      | 01.01.2007   | -28.921,50                                                                             |
| 9501480788      | 05.02.2003   | -27.816,50                                                                             |
| 9511503858      | 06.05.2013   | 27.692,06                                                                              |
| 9511597100      | 11.06.2013   | -27.692,06                                                                             |
| 9501987102      | 11.09.2003   | -27.605,11                                                                             |
| 9503186363      | 19.01.2005   | -27.119,46                                                                             |
| 9510008380      | 12.10.2011   | -26.871,11                                                                             |
| 9500975148      | 02.07.2002   | -26.778,75                                                                             |
| 9501437863      | 22.01.2003   | -26.589,93                                                                             |
| 9504118457      | 29.12.2005   | -26.463,95                                                                             |
| 9502486288      | 07.04.2004   | -26.390,83                                                                             |
| 9503437604      | 19.04.2005   | 26.318,88                                                                              |
| 9507588458      | 11.05.2009   | -26.283,10                                                                             |
| 9503207524      | 25.01.2005   | -26.280,81                                                                             |
| 9503445962      | 20.04.2005   | -26.108,61                                                                             |
| 9515316218      | 12.10.2017   | 25.849,92                                                                              |
| 9508157232      | 08.12.2009   | 25.844,26                                                                              |
| 9502041086      | 06.10.2003   | -25.839,06                                                                             |
| 2300005265      | 23.11.2011   | -25.615,71                                                                             |
| 9505907374      | 08.10.2007   | -25.453,70                                                                             |
| 9509603607      | 12.05.2011   | -25.049,35                                                                             |
| 9501480787      | 05.02.2003   | -24.987,83                                                                             |
| 9505382180      | 04.04.2007   | -24.690,92                                                                             |
| 9505632793      | 04.07.2007   | -24.371,52                                                                             |
| 9508438927      | 23.03.2010   | -24.277,33                                                                             |
| 9502041783      | 06.10.2003   | -24.217,94                                                                             |
| 9507635501      | 28.05.2009   | -23.669,62                                                                             |
| 9503808093      | 06.09.2005   | -23.656,38                                                                             |
| 9500975234      | 02.07.2002   | -23.402,46                                                                             |
| 9501687006      | 07.05.2003   | -22.178,19                                                                             |
| 9511449627      | 16.04.2013   | -22.092,96                                                                             |
| 9508311282      | 08.02.2010   | 21.975,95                                                                              |
| 9506085982      | 04.12.2007   | -21.339,85                                                                             |
| 9509759919      | 11.07.2011   | 20.985,67                                                                              |
| 9509768428      | 13.07.2011   | -20.985,67                                                                             |
| 9508511020      | 19.04.2010   | 20.874,46                                                                              |
| 9500719908      | 12.03.2002   | -20.873,92                                                                             |
| 9508514917      | 20.04.2010   | 20.844,11                                                                              |
| 9508520136      | 21.04.2010   | -20.844,11                                                                             |
| 9506499361      | 22.04.2008   | -20.824,19                                                                             |
| 9504387228      | 05.04.2006   | -20.666,94                                                                             |
| 9503751569      | 12.08.2005   | -20.186,03                                                                             |
| 9504079864      | 09.12.2005   | -20.139,04                                                                             |
| 9508336497      | 16.02.2010   | 20.064,52                                                                              |
| 9505890919      | 02.10.2007   | -19.971,69                                                                             |
| 9508165654      | 10.12.2009   | -19.810,39                                                                             |
| 9502271637      | 16.01.2004   | -19.760,42                                                                             |
| 9501480785      | 06.02.2003   | -19.684,06                                                                             |
| 9507635505      | 28.05.2009   | -19.613,53                                                                             |
| 9502350480      | 16.02.2004   | 19.603,85                                                                              |
| 9503789807      | 30.08.2005   | 19.578,28                                                                              |
| 9503865104      | 19.09.2005   | -19.549,44                                                                             |
| 9508063117      | 05.11.2009   | -19.516,03                                                                             |
| 9513835414      | 09.12.2015   | -19.371,89                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9504340342      | 20.03.2006   | -19.210,37                                                                             |
| 9506670569      | 19.06.2008   | 19.179,65                                                                              |
| 9507588329      | 11.05.2009   | -19.114,30                                                                             |
| 9502444282      | 22.03.2004   | -19.022,43                                                                             |
| 9503751550      | 12.08.2005   | -18.929,22                                                                             |
| 9505895061      | 03.10.2007   | -18.794,03                                                                             |
| 9514907723      | 19.04.2017   | -18.787,04                                                                             |
| 9509218271      | 05.01.2011   | -18.424,63                                                                             |
| 9503906585      | 11.10.2005   | 18.319,20                                                                              |
| 9503916472      | 13.10.2005   | -18.307,66                                                                             |
| 9509771465      | 14.07.2011   | -18.289,85                                                                             |
| 9501898961      | 01.08.2003   | -18.103,13                                                                             |
| 9511219181      | 24.01.2013   | 17.925,44                                                                              |
| 9502707088      | 07.07.2004   | -17.920,49                                                                             |
| 9503823181      | 12.09.2005   | 17.762,44                                                                              |
| 9504892644      | 11.10.2006   | -17.579,46                                                                             |
| 5000001782      | 27.09.2011   | -17.527,67                                                                             |
| 2300005266      | 23.11.2011   | -17.512,74                                                                             |
| 9501437865      | 22.01.2003   | -17.506,27                                                                             |
| 9507357202      | 17.02.2009   | 17.490,91                                                                              |
| 9508764020      | 16.07.2010   | -17.464,86                                                                             |
| 9501847671      | 11.07.2003   | -17.264,68                                                                             |
| 9501851853      | 11.07.2003   | -17.264,67                                                                             |
| 9507623996      | 25.05.2009   | 17.187,26                                                                              |
| 2300002840      | 28.10.2017   | -17.048,43                                                                             |
| 9504005085      | 15.11.2005   | -16.848,71                                                                             |
| 9508165662      | 10.12.2009   | -16.777,10                                                                             |
| 9504632514      | 06.07.2006   | -16.612,27                                                                             |
| 9507447456      | 18.03.2009   | -16.439,44                                                                             |
| 9503751554      | 12.08.2005   | -16.392,21                                                                             |
| 9500797687      | 16.04.2002   | 16.158,35                                                                              |
| 9507381913      | 24.02.2009   | -16.096,52                                                                             |
| 9504029029      | 23.11.2005   | -16.092,72                                                                             |
| 9501155837      | 19.09.2002   | -16.082,45                                                                             |
| 9512243709      | 13.02.2014   | -16.053,75                                                                             |
| 9504047653      | 30.11.2005   | 15.824,09                                                                              |
| 9503202956      | 25.01.2005   | -15.689,42                                                                             |
| 9503569071      | 07.06.2005   | -15.427,29                                                                             |
| 9500801706      | 17.04.2002   | -15.312,25                                                                             |
| 9503246100      | 08.02.2005   | -15.239,14                                                                             |
| 9502794402      | 13.08.2004   | -15.224,06                                                                             |
| 9502882209      | 20.09.2004   | -15.162,86                                                                             |
| 9504476899      | 09.05.2006   | -15.146,65                                                                             |
| 9507447461      | 18.03.2009   | -15.143,26                                                                             |
| 9502706779      | 07.07.2004   | -15.114,40                                                                             |
| 9503865048      | 27.09.2005   | 14.957,61                                                                              |
| 9507570401      | 05.05.2009   | -14.904,36                                                                             |
| 9501141446      | 13.09.2002   | -14.880,68                                                                             |
| 9502508458      | 19.04.2004   | -14.610,31                                                                             |
| 9507655342      | 05.06.2009   | 14.559,71                                                                              |
| 9507659599      | 05.06.2009   | -14.559,71                                                                             |
| 9507863529      | 27.08.2009   | -14.464,43                                                                             |
| 9504387490      | 05.04.2006   | -14.419,69                                                                             |
| 9500975092      | 02.07.2002   | -14.330,03                                                                             |
| 9502112849      | 03.11.2003   | -14.324,32                                                                             |
| 9510177385      | 12.12.2011   | -14.204,96                                                                             |
| 9500378789      | 30.01.2002   | -14.188,29                                                                             |
| 9503207527      | 26.01.2005   | -14.174,11                                                                             |
| 9508165656      | 10.12.2009   | -14.147,80                                                                             |
| 9501243916      | 25.10.2002   | -14.044,78                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9507783873      | 23.07.2009   | -14.033,05                                                                             |
| 9505632975      | 04.07.2007   | -14.005,88                                                                             |
| 9500801737      | 17.04.2002   | -13.955,71                                                                             |
| 9502838949      | 02.09.2004   | -13.802,59                                                                             |
| 9501459736      | 05.02.2003   | -13.767,58                                                                             |
| 9508311282      | 08.02.2010   | 13.735,00                                                                              |
| 9503599560      | 17.06.2005   | -13.726,82                                                                             |
| 9506446153      | 04.04.2008   | -13.572,72                                                                             |
| 9501174178      | 26.09.2002   | -13.559,74                                                                             |
| 9506534036      | 05.05.2008   | -13.528,90                                                                             |
| 9503999904      | 14.11.2005   | 13.279,77                                                                              |
| 9502485887      | 07.04.2004   | -13.233,47                                                                             |
| 9502987008      | 01.11.2004   | -13.169,92                                                                             |
| 9507771024      | 20.07.2009   | 12.997,98                                                                              |
| 9503000011      | 05.11.2004   | -12.966,35                                                                             |
| 9501900769      | 01.08.2003   | -12.840,04                                                                             |
| 9502722719      | 13.07.2004   | -12.828,75                                                                             |
| 9502722831      | 13.07.2004   | -12.826,25                                                                             |
| 9502117952      | 05.11.2003   | 12.702,18                                                                              |
| 9502562385      | 07.05.2004   | -12.659,36                                                                             |
| 9501488517      | 17.02.2003   | 12.563,34                                                                              |
| 9501459669      | 04.02.2003   | 12.522,29                                                                              |
| 9507971372      | 01.10.2009   | -12.391,54                                                                             |
| 9507381924      | 20.02.2009   | -12.354,07                                                                             |
| 9503569083      | 07.06.2005   | -12.330,45                                                                             |
| 9503445963      | 20.04.2005   | -12.317,68                                                                             |
| 9502501204      | 15.04.2004   | -12.289,87                                                                             |
| 9507327692      | 06.02.2009   | -12.285,60                                                                             |
| 9502653615      | 16.06.2004   | -12.285,55                                                                             |
| 9502917058      | 04.10.2004   | 12.199,41                                                                              |
| 9502917058      | 04.10.2004   | 12.199,41                                                                              |
| 9507565996      | 04.05.2009   | 12.178,03                                                                              |
| 9503324770      | 07.03.2005   | -12.162,51                                                                             |
| 9507333006      | 09.02.2009   | -12.064,29                                                                             |
| 9505057743      | 05.12.2006   | -12.048,24                                                                             |
| 9505049933      | 01.12.2006   | 12.043,19                                                                              |
| 9511703703      | 15.07.2013   | 12.039,97                                                                              |
| 9503316611      | 04.03.2005   | -12.032,07                                                                             |
| 9500863384      | 15.05.2002   | 12.022,88                                                                              |
| 9501530395      | 05.03.2003   | -11.961,93                                                                             |
| 9500665811      | 18.02.2002   | 11.873,39                                                                              |
| 9501459671      | 04.02.2003   | 11.872,71                                                                              |
| 9515310830      | 10.10.2017   | -11.857,69                                                                             |
| 9503977367      | 04.11.2005   | -11.857,04                                                                             |
| 9502766744      | 02.08.2004   | 11.738,09                                                                              |
| 9515448956      | 11.12.2017   | -11.712,22                                                                             |
| 9508018042      | 20.10.2009   | -11.665,42                                                                             |
| 9507790552      | 28.07.2009   | 11.664,64                                                                              |
| 9506617165      | 03.06.2008   | -11.628,25                                                                             |
| 9505142578      | 12.01.2007   | -11.579,64                                                                             |
| 9502872912      | 16.09.2004   | -11.566,25                                                                             |
| 9500191824      | 01.08.2002   | -11.514,87                                                                             |
| 9500104774      | 30.01.2002   | -11.498,42                                                                             |
| 9503621685      | 27.06.2005   | 11.487,80                                                                              |
| 2300005267      | 23.11.2011   | -11.447,44                                                                             |
| 9500783684      | 10.04.2002   | 11.442,53                                                                              |
| 9502244526      | 06.01.2004   | -11.390,49                                                                             |
| 9503041951      | 19.11.2004   | -11.362,53                                                                             |
| 9501687158      | 07.05.2003   | -11.299,85                                                                             |
| 9501900650      | 01.08.2003   | -11.210,66                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2300005263      | 23.11.2011   | -11.153,98                                                                             |
| 9501564513      | 18.03.2003   | -11.009,79                                                                             |
| 9506812373      | 04.08.2008   | -10.982,17                                                                             |
| 9500757476      | 01.04.2002   | 10.981,97                                                                              |
| 9502506755      | 16.04.2004   | -10.964,99                                                                             |
| 9507990990      | 12.10.2009   | 10.944,68                                                                              |
| 9507655378      | 05.06.2009   | 10.923,99                                                                              |
| 9507659595      | 05.06.2009   | -10.923,99                                                                             |
| 9509210451      | 30.12.2010   | 10.888,83                                                                              |
| 9503719769      | 01.08.2005   | 10.885,42                                                                              |
| 9507801019      | 30.07.2009   | -10.880,69                                                                             |
| 9508415770      | 15.03.2010   | -10.849,50                                                                             |
| 9500566994      | 07.01.2002   | 10.762,50                                                                              |
| 9503756281      | 16.08.2005   | 10.748,86                                                                              |
| 9503156797      | 10.01.2005   | 10.620,13                                                                              |
| 9503156797      | 10.01.2005   | 10.620,13                                                                              |
| 9500378789      | 30.01.2002   | 10.583,10                                                                              |
| 9503177399      | 17.01.2005   | 10.575,18                                                                              |
| 9503177399      | 17.01.2005   | 10.575,18                                                                              |
| 9505895084      | 03.10.2007   | -10.514,43                                                                             |
| 9507257206      | 15.01.2009   | -10.504,93                                                                             |
| 9502605933      | 26.05.2004   | -10.495,71                                                                             |
| 9508140794      | 02.12.2009   | -10.436,74                                                                             |
| 9502477155      | 05.04.2004   | 10.397,73                                                                              |
| 9507105562      | 12.11.2008   | 10.397,00                                                                              |
| 9507105751      | 12.11.2008   | -10.397,00                                                                             |
| 9504387223      | 05.04.2006   | 10.333,47                                                                              |
| 9507835893      | 17.08.2009   | 10.323,91                                                                              |
| 9505790516      | 04.09.2007   | 10.316,03                                                                              |
| 9508050747      | 02.11.2009   | 10.303,80                                                                              |
| 9515413665      | 23.11.2017   | -10.226,34                                                                             |
| 9503386860      | 30.03.2005   | -10.194,49                                                                             |
| 9500594360      | 18.01.2002   | 10.187,20                                                                              |
| 9507503469      | 08.04.2009   | -10.182,11                                                                             |
| 9508588419      | 17.05.2010   | 10.155,66                                                                              |
| 9507455239      | 23.03.2009   | 10.146,05                                                                              |
| 9503566782      | 07.06.2005   | 10.142,83                                                                              |
| 9503773708      | 22.08.2005   | -10.129,31                                                                             |
| 9502112741      | 03.11.2003   | -10.077,80                                                                             |
| 9502266123      | 15.01.2004   | -10.007,86                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## IV. Provisions for outstanding invoices

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002024      | 31.12.2017   | 16.865.788,00                                                                          |
| 5000001846      | 31.12.2015   | 9.302.514,19                                                                           |
| 5200022880      | 31.08.2015   | 8.215.768,64                                                                           |
| 5200023260      | 01.09.2015   | -8.215.768,64                                                                          |
| 5000002244      | 31.12.2017   | 8.012.858,00                                                                           |
| 5200001306      | 31.01.2014   | 7.151.431,36                                                                           |
| 5200001678      | 01.02.2014   | -7.151.431,36                                                                          |
| 5200025762      | 31.10.2012   | 6.191.508,07                                                                           |
| 5200026067      | 01.11.2012   | -6.191.508,07                                                                          |
| 5200015877      | 30.09.2011   | 6.024.348,91                                                                           |
| 5200015907      | 01.10.2011   | -6.024.348,91                                                                          |
| 5200040334      | 30.11.2017   | 6.014.475,42                                                                           |
| 5200040884      | 01.12.2017   | -6.014.475,42                                                                          |
| 5200001807      | 29.02.2008   | 5.921.749,81                                                                           |
| 5200001827      | 01.03.2008   | -5.921.749,81                                                                          |
| 5200007628      | 31.03.2015   | 5.877.879,15                                                                           |
| 5200008032      | 01.04.2015   | -5.877.879,15                                                                          |
| 5200042645      | 31.12.2017   | 5.604.184,62                                                                           |
| 5200012637      | 31.07.2011   | 5.469.785,40                                                                           |
| 5200012667      | 01.08.2011   | -5.469.785,40                                                                          |
| 5200010185      | 31.03.2013   | 5.414.381,40                                                                           |
| 5200010528      | 01.04.2013   | -5.414.381,40                                                                          |
| 5200004036      | 31.05.2008   | 5.299.573,66                                                                           |
| 5200004057      | 01.06.2008   | -5.299.573,66                                                                          |
| 5200007809      | 30.11.2007   | 5.296.527,97                                                                           |
| 5200007830      | 01.12.2007   | -5.296.527,97                                                                          |
| 5200032049      | 30.09.2017   | 5.254.018,68                                                                           |
| 5200032607      | 01.10.2017   | -5.254.018,68                                                                          |
| 5200004758      | 30.06.2008   | 5.241.675,74                                                                           |
| 5200004778      | 01.07.2008   | -5.241.675,74                                                                          |
| 5200021597      | 30.06.2017   | 5.167.464,43                                                                           |
| 5200022155      | 01.07.2017   | -5.167.464,43                                                                          |
| 5200035726      | 31.10.2017   | 5.077.857,13                                                                           |
| 5200036282      | 01.11.2017   | -5.077.857,13                                                                          |
| 5200001152      | 31.01.2009   | 5.069.275,68                                                                           |
| 5200001174      | 01.02.2009   | -5.069.275,68                                                                          |
| 5200007707      | 31.10.2008   | 5.055.767,43                                                                           |
| 5200007729      | 01.11.2008   | -5.055.767,43                                                                          |
| 5200011801      | 30.04.2015   | 5.051.145,85                                                                           |
| 5200012215      | 01.05.2015   | -5.051.145,85                                                                          |
| 5200003131      | 30.06.2001   | 4.898.348,57                                                                           |
| 5200003168      | 01.07.2001   | -4.898.348,57                                                                          |
| 5200004026      | 29.02.2012   | 4.845.993,30                                                                           |
| 5200004298      | 01.03.2012   | -4.845.993,30                                                                          |
| 5200028362      | 31.08.2017   | 4.775.813,81                                                                           |
| 5200028924      | 01.09.2017   | -4.775.813,81                                                                          |
| 5200002552      | 31.03.2008   | 4.744.941,82                                                                           |
| 5200002572      | 01.04.2008   | -4.744.941,82                                                                          |
| 5200003296      | 30.04.2008   | 4.728.793,20                                                                           |
| 5200003316      | 01.05.2008   | -4.728.793,20                                                                          |
| 5200006441      | 30.09.2007   | 4.703.169,80                                                                           |
| 5200006460      | 01.10.2007   | -4.703.169,80                                                                          |
| 5200008092      | 31.12.2007   | 4.691.460,38                                                                           |
| 5200000375      | 01.01.2008   | -4.691.460,38                                                                          |
| 5200002094      | 31.01.2015   | 4.672.916,96                                                                           |
| 5200002518      | 01.02.2015   | -4.672.916,96                                                                          |
| 5200001083      | 31.01.2008   | 4.485.374,20                                                                           |
| 5200001101      | 01.02.2008   | -4.485.374,20                                                                          |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001664      | 28.02.2006   | 4.464.949,37                                                                           |
| 5200001686      | 01.03.2006   | -4.464.949,37                                                                          |
| 5200004031      | 31.05.2009   | 4.442.398,58                                                                           |
| 5200004050      | 01.06.2009   | -4.442.398,58                                                                          |
| 5200011019      | 30.06.2011   | 4.382.319,15                                                                           |
| 5200011046      | 01.07.2011   | -4.382.319,15                                                                          |
| 5200005262      | 29.02.2016   | 4.380.591,42                                                                           |
| 5200005782      | 01.03.2016   | -4.380.591,42                                                                          |
| 5200006263      | 31.08.2008   | 4.373.355,87                                                                           |
| 5200006286      | 01.09.2008   | -4.373.355,87                                                                          |
| 5200005722      | 31.08.2007   | 4.369.021,56                                                                           |
| 5200005744      | 01.09.2007   | -4.369.021,56                                                                          |
| 5200004119      | 31.03.2011   | 4.345.257,16                                                                           |
| 5200004146      | 01.04.2011   | -4.345.257,16                                                                          |
| 5200007127      | 31.10.2007   | 4.317.428,34                                                                           |
| 5200007147      | 01.11.2007   | -4.317.428,34                                                                          |
| 5200017882      | 31.05.2017   | 4.241.233,93                                                                           |
| 5200018443      | 01.06.2017   | -4.241.233,93                                                                          |
| 5200024616      | 31.07.2017   | 4.240.023,60                                                                           |
| 5200025167      | 01.08.2017   | -4.240.023,60                                                                          |
| 5200005544      | 31.07.2008   | 4.214.464,10                                                                           |
| 5200005568      | 01.08.2008   | -4.214.464,10                                                                          |
| 5200009448      | 31.05.2011   | 4.138.112,78                                                                           |
| 5200009478      | 01.06.2011   | -4.138.112,78                                                                          |
| 5200007733      | 30.11.2010   | 4.125.614,58                                                                           |
| 5200007761      | 01.12.2010   | -4.125.614,58                                                                          |
| 5200008455      | 30.11.2008   | 4.101.173,71                                                                           |
| 5200008481      | 01.12.2008   | -4.101.173,71                                                                          |
| 5200004386      | 28.02.2015   | 4.005.334,18                                                                           |
| 5200004817      | 01.03.2015   | -4.005.334,18                                                                          |
| 5200000003      | 30.04.2001   | 3.993.934,85                                                                           |
| 5200000030      | 01.05.2001   | -3.993.934,85                                                                          |
| 5200003002      | 30.04.2006   | 3.954.465,65                                                                           |
| 5200003025      | 01.05.2006   | -3.954.465,65                                                                          |
| 5000001647      | 30.10.2017   | -3.923.515,00                                                                          |
| 5200023311      | 31.08.2016   | 3.919.883,04                                                                           |
| 5200023774      | 01.09.2016   | -3.919.883,04                                                                          |
| 5200014236      | 31.08.2011   | 3.919.857,36                                                                           |
| 5200014265      | 01.09.2011   | -3.919.857,36                                                                          |
| 5200002298      | 31.03.2007   | 3.893.662,78                                                                           |
| 5200002322      | 01.04.2007   | -3.893.662,78                                                                          |
| 5200007079      | 31.10.2010   | 3.852.426,44                                                                           |
| 5200007108      | 01.11.2010   | -3.852.426,44                                                                          |
| 5200004375      | 30.06.2007   | 3.846.475,84                                                                           |
| 5200004394      | 01.07.2007   | -3.846.475,84                                                                          |
| 5200003549      | 31.05.2006   | 3.842.840,08                                                                           |
| 5200003570      | 01.06.2006   | -3.842.840,08                                                                          |
| 5200003006      | 30.04.2007   | 3.833.659,55                                                                           |
| 5200003029      | 01.05.2007   | -3.833.659,55                                                                          |
| 5200006382      | 30.09.2010   | 3.781.520,67                                                                           |
| 5200006408      | 01.10.2010   | -3.781.520,67                                                                          |
| 5200005086      | 31.07.2007   | 3.759.916,68                                                                           |
| 5200005109      | 01.08.2007   | -3.759.916,68                                                                          |
| 5200007532      | 30.11.2006   | 3.740.985,92                                                                           |
| 5200007550      | 01.12.2006   | -3.740.985,92                                                                          |
| 5200002327      | 31.03.2006   | 3.723.234,64                                                                           |
| 5200002347      | 01.04.2006   | -3.723.234,64                                                                          |
| 5200003334      | 30.04.2009   | 3.680.831,00                                                                           |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003354      | 01.05.2009   | -3.680.831,00                                                                          |
| 5200006967      | 30.09.2008   | 3.661.149,62                                                                           |
| 5200006993      | 01.10.2008   | -3.661.149,62                                                                          |
| 5200003985      | 31.05.2005   | 3.640.971,54                                                                           |
| 5200004005      | 01.06.2005   | -3.640.971,54                                                                          |
| 5200000985      | 31.01.2007   | 3.625.612,81                                                                           |
| 5200001005      | 01.02.2007   | -3.625.612,81                                                                          |
| 5200006247      | 30.09.2006   | 3.625.457,84                                                                           |
| 5200006263      | 01.10.2006   | -3.625.457,84                                                                          |
| 5200007796      | 31.12.2006   | 3.591.334,85                                                                           |
| 5200000374      | 01.01.2007   | -3.591.334,85                                                                          |
| 5200007978      | 31.12.2010   | 3.564.279,62                                                                           |
| 5200000382      | 01.01.2011   | -3.564.279,62                                                                          |
| 5200020120      | 31.07.2015   | 3.540.894,33                                                                           |
| 5200020488      | 01.08.2015   | -3.540.894,33                                                                          |
| 5200001858      | 28.02.2009   | 3.511.958,44                                                                           |
| 5200001877      | 01.03.2009   | -3.511.958,44                                                                          |
| 5200003693      | 31.05.2007   | 3.508.416,72                                                                           |
| 5200003713      | 01.06.2007   | -3.508.416,72                                                                          |
| 5000000516      | 31.03.2017   | 3.500.000,00                                                                           |
| 5000002557      | 31.12.2017   | -3.500.000,00                                                                          |
| 5200004999      | 31.07.2006   | 3.479.180,51                                                                           |
| 5200005019      | 01.08.2006   | -3.479.180,51                                                                          |
| 5200000821      | 31.01.2006   | 3.446.238,11                                                                           |
| 5200000842      | 01.02.2006   | -3.446.238,11                                                                          |
| 5200005738      | 31.08.2010   | 3.439.349,91                                                                           |
| 5200005762      | 01.09.2010   | -3.439.349,91                                                                          |
| 5200005896      | 30.04.2011   | 3.399.272,00                                                                           |
| 5200005927      | 01.05.2011   | -3.399.272,00                                                                          |
| 5200017423      | 30.06.2015   | 3.366.312,61                                                                           |
| 5200017776      | 01.07.2015   | -3.366.312,61                                                                          |
| 5200011948      | 31.05.2012   | 3.356.258,26                                                                           |
| 5200012222      | 01.06.2012   | -3.356.258,26                                                                          |
| 5200017539      | 31.10.2011   | 3.348.639,25                                                                           |
| 5200017565      | 01.11.2011   | -3.348.639,25                                                                          |
| 5200004310      | 30.06.2006   | 3.326.849,14                                                                           |
| 5200004328      | 01.07.2006   | -3.326.849,14                                                                          |
| 5200005118      | 31.07.2010   | 3.286.192,57                                                                           |
| 5200005141      | 01.08.2010   | -3.286.192,57                                                                          |
| 5200005009      | 30.06.2005   | 3.284.028,90                                                                           |
| 5200005029      | 01.07.2005   | -3.284.028,90                                                                          |
| 5200006384      | 31.08.2005   | 3.259.521,72                                                                           |
| 5200006404      | 01.09.2005   | -3.259.521,72                                                                          |
| 5200001656      | 28.02.2007   | 3.249.013,89                                                                           |
| 5200001670      | 01.03.2007   | -3.249.013,89                                                                          |
| 5200008350      | 30.11.2005   | 3.233.408,59                                                                           |
| 5200008373      | 01.12.2005   | -3.233.408,59                                                                          |
| 5200007635      | 31.10.2009   | 3.210.723,66                                                                           |
| 5200007658      | 01.11.2009   | -3.210.723,66                                                                          |
| 5200019270      | 30.11.2011   | 3.192.255,86                                                                           |
| 5200019298      | 01.12.2011   | -3.192.255,86                                                                          |
| 5200004438      | 30.06.2010   | 3.168.909,25                                                                           |
| 5200004458      | 01.07.2010   | -3.168.909,25                                                                          |
| 5200001724      | 31.05.2001   | 3.148.676,63                                                                           |
| 5200001751      | 01.06.2001   | -3.148.676,63                                                                          |
| 5200034668      | 31.12.2016   | 3.143.546,98                                                                           |
| 5200000764      | 01.01.2017   | -3.143.546,98                                                                          |
| 5200002605      | 28.02.2011   | 3.133.838,65                                                                           |
| 5200002635      | 01.03.2011   | -3.133.838,65                                                                          |
| 5200006799      | 31.10.2006   | 3.125.685,36                                                                           |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006818      | 01.11.2006   | -3.125.685,36                                                                          |
| 5000002310      | 31.12.2017   | 3.124.660,00                                                                           |
| 5200000996      | 31.01.2011   | 3.115.365,90                                                                           |
| 5200001023      | 01.02.2011   | -3.115.365,90                                                                          |
| 5200006743      | 30.09.2005   | 3.109.661,22                                                                           |
| 5200006760      | 01.10.2005   | -3.109.661,22                                                                          |
| 5200007847      | 31.10.2005   | 3.107.187,31                                                                           |
| 5200007868      | 01.11.2005   | -3.107.187,31                                                                          |
| 5200015456      | 31.05.2013   | 3.107.072,79                                                                           |
| 5200015816      | 01.06.2013   | -3.107.072,79                                                                          |
| 5200020071      | 31.08.2012   | 3.100.162,51                                                                           |
| 5200020357      | 01.09.2012   | -3.100.162,51                                                                          |
| 5000002310      | 31.12.2017   | 3.098.000,00                                                                           |
| 5200005627      | 31.08.2006   | 3.059.326,53                                                                           |
| 5200005645      | 01.09.2006   | -3.059.326,53                                                                          |
| 5000002024      | 31.12.2017   | 3.051.989,00                                                                           |
| 5200002509      | 31.03.2010   | 3.043.509,90                                                                           |
| 5200002527      | 01.04.2010   | -3.043.509,90                                                                          |
| 5200003167      | 30.04.2010   | 3.017.151,24                                                                           |
| 5200003188      | 01.05.2010   | -3.017.151,24                                                                          |
| 5200014621      | 30.06.2012   | 3.010.687,54                                                                           |
| 5200014911      | 01.07.2012   | -3.010.687,54                                                                          |
| 5200006540      | 31.03.2012   | 2.991.480,22                                                                           |
| 5200006837      | 01.04.2012   | -2.991.480,22                                                                          |
| 5200005637      | 31.08.2001   | 2.967.415,45                                                                           |
| 5200005663      | 01.09.2001   | -2.967.415,45                                                                          |
| 5200020351      | 31.07.2016   | 2.955.715,76                                                                           |
| 5200020821      | 01.08.2016   | -2.955.715,76                                                                          |
| 5200008328      | 30.11.2009   | 2.951.318,10                                                                           |
| 5200008346      | 01.12.2009   | -2.951.318,10                                                                          |
| 5200005727      | 31.05.2003   | 2.871.490,82                                                                           |
| 5200005754      | 01.06.2003   | -2.871.490,82                                                                          |
| 5200001811      | 28.02.2010   | 2.849.510,24                                                                           |
| 5200001831      | 01.03.2010   | -2.849.510,24                                                                          |
| 5200003254      | 30.04.2005   | 2.800.766,74                                                                           |
| 5200003275      | 01.05.2005   | -2.800.766,74                                                                          |
| 5200007016      | 31.05.2004   | 2.770.127,53                                                                           |
| 5200007044      | 01.06.2004   | -2.770.127,53                                                                          |
| 5000001496      | 30.11.2016   | -2.767.990,00                                                                          |
| 5200013166      | 30.11.2003   | 2.759.858,51                                                                           |
| 5200013189      | 01.12.2003   | -2.759.858,51                                                                          |
| 5200014699      | 31.05.2015   | 2.705.285,69                                                                           |
| 5200015090      | 01.06.2015   | -2.705.285,69                                                                          |
| 5200002597      | 31.03.2009   | 2.698.281,53                                                                           |
| 5200002617      | 01.04.2009   | -2.698.281,53                                                                          |
| 5200008741      | 31.12.2005   | 2.689.252,21                                                                           |
| 5200000300      | 01.01.2006   | -2.689.252,21                                                                          |
| 5200005729      | 31.07.2005   | 2.680.710,74                                                                           |
| 5200005750      | 01.08.2005   | -2.680.710,74                                                                          |
| 5200001675      | 28.02.2005   | 2.656.712,43                                                                           |
| 5200001694      | 01.03.2005   | -2.656.712,43                                                                          |
| 5200028570      | 30.11.2012   | 2.655.557,20                                                                           |
| 5200028879      | 01.12.2012   | -2.655.557,20                                                                          |
| 5000001918      | 31.12.2016   | 2.628.503,00                                                                           |
| 5200002900      | 31.01.2017   | 2.619.679,20                                                                           |
| 5200003450      | 01.02.2017   | -2.619.679,20                                                                          |
| 5200023680      | 31.08.2013   | 2.549.471,89                                                                           |
| 5200024033      | 01.09.2013   | -2.549.471,89                                                                          |
| 5200004443      | 30.06.2009   | 2.545.251,38                                                                           |
| 5200004463      | 01.07.2009   | -2.545.251,38                                                                          |

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**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001449      | 30.11.2014   | 2.541.646,00                                                                           |
| 5200001096      | 31.01.2010   | 2.530.377,01                                                                           |
| 5200001117      | 01.02.2010   | -2.530.377,01                                                                          |
| 5200005752      | 30.04.2004   | 2.522.556,82                                                                           |
| 5200005777      | 01.05.2004   | -2.522.556,82                                                                          |
| 5200001673      | 31.01.2016   | 2.520.030,31                                                                           |
| 5200002164      | 01.02.2016   | -2.520.030,31                                                                          |
| 5200002442      | 31.03.2005   | 2.502.038,71                                                                           |
| 5200002462      | 01.04.2005   | -2.502.038,71                                                                          |
| 5200008594      | 31.12.2009   | 2.467.022,60                                                                           |
| 5200000413      | 01.01.2010   | -2.467.022,60                                                                          |
| 5200018125      | 31.07.2014   | 2.448.733,47                                                                           |
| 5200018548      | 01.08.2014   | -2.448.733,47                                                                          |
| 5000002310      | 31.12.2017   | 2.444.684,93                                                                           |
| 5000001939      | 31.12.2016   | 2.420.244,65                                                                           |
| 5200008174      | 30.06.2004   | 2.417.955,03                                                                           |
| 5200008199      | 01.07.2004   | -2.417.955,03                                                                          |
| 5200022093      | 30.09.2012   | 2.417.770,64                                                                           |
| 5200022387      | 01.10.2012   | -2.417.770,64                                                                          |
| 5200001469      | 31.01.2004   | 2.414.289,44                                                                           |
| 5200001491      | 01.02.2004   | -2.414.289,44                                                                          |
| 5200004233      | 31.07.2001   | 2.405.250,05                                                                           |
| 5200004260      | 01.08.2001   | -2.405.250,05                                                                          |
| 5200008573      | 31.03.2016   | 2.402.437,55                                                                           |
| 5200009062      | 01.04.2016   | -2.402.437,55                                                                          |
| 5200008783      | 31.12.2008   | 2.394.511,63                                                                           |
| 5200000410      | 01.01.2009   | -2.394.511,63                                                                          |
| 5200005509      | 31.07.2009   | 2.385.678,28                                                                           |
| 5200005529      | 01.08.2009   | -2.385.678,28                                                                          |
| 5200011451      | 31.10.2004   | 2.340.906,29                                                                           |
| 5200011475      | 01.11.2004   | -2.340.906,29                                                                          |
| 5200013862      | 30.04.2017   | 2.338.549,34                                                                           |
| 5200014419      | 01.05.2017   | -2.338.549,34                                                                          |
| 5200033906      | 31.12.2015   | 2.297.275,07                                                                           |
| 5200000620      | 01.01.2016   | -2.297.275,07                                                                          |
| 5200009310      | 31.03.2017   | 2.293.844,86                                                                           |
| 5200009849      | 01.04.2017   | -2.293.844,86                                                                          |
| 5200009026      | 31.07.2004   | 2.266.306,41                                                                           |
| 5200009052      | 01.08.2004   | -2.266.306,41                                                                          |
| 5200003121      | 29.02.2004   | 2.243.539,68                                                                           |
| 5200003146      | 01.03.2004   | -2.243.539,68                                                                          |
| 2789684         | 31.10.2000   | 2.235.993,10                                                                           |
| 2789691         | 03.11.2000   | -2.235.993,10                                                                          |
| 5200003818      | 31.05.2010   | 2.226.681,18                                                                           |
| 5200003838      | 01.06.2010   | -2.226.681,18                                                                          |
| 5200004414      | 31.03.2004   | 2.224.084,80                                                                           |
| 5200004448      | 01.04.2004   | -2.224.084,80                                                                          |
| 5200000730      | 31.01.2005   | 2.220.042,43                                                                           |
| 5200000750      | 01.02.2005   | -2.220.042,43                                                                          |
| 5200006191      | 31.08.2009   | 2.208.021,86                                                                           |
| 5200006207      | 01.09.2009   | -2.208.021,86                                                                          |
| 2700890         | 30.11.2000   | 2.204.703,95                                                                           |
| 2700897         | 05.12.2000   | -2.204.703,95                                                                          |
| 5200033745      | 31.12.2015   | 2.178.311,94                                                                           |
| 5200000459      | 01.01.2016   | -2.178.311,94                                                                          |
| 5200029739      | 31.10.2016   | 2.172.347,34                                                                           |
| 5200030190      | 01.11.2016   | -2.172.347,34                                                                          |
| 5200010884      | 30.04.2016   | 2.155.973,13                                                                           |
| 5200011368      | 01.05.2016   | -2.155.973,13                                                                          |
| 5200006150      | 28.02.2017   | 2.141.602,42                                                                           |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006693      | 01.03.2017   | -2.141.602,42                                                                          |
| 5200032718      | 30.11.2016   | 2.141.299,85                                                                           |
| 5200033185      | 01.12.2016   | -2.141.299,85                                                                          |
| 5200009689      | 31.08.2004   | 2.139.987,46                                                                           |
| 5200009713      | 01.09.2004   | -2.139.987,46                                                                          |
| 5200020564      | 31.07.2016   | 2.133.486,69                                                                           |
| 5200021034      | 01.08.2016   | -2.133.486,69                                                                          |
| 5200008898      | 30.04.2012   | 2.125.800,31                                                                           |
| 5200009176      | 01.05.2012   | -2.125.800,31                                                                          |
| 5200012322      | 30.11.2004   | 2.056.886,29                                                                           |
| 5200012342      | 01.12.2004   | -2.056.886,29                                                                          |
| 5200006103      | 30.09.2001   | 2.039.114,89                                                                           |
| 5200006130      | 01.10.2001   | -2.039.114,89                                                                          |
| 5200006906      | 30.09.2009   | 2.038.497,51                                                                           |
| 5200006925      | 01.10.2009   | -2.038.497,51                                                                          |
| 5000001989      | 31.12.2013   | 2.032.655,00                                                                           |
| 5200017588      | 30.06.2015   | 2.025.522,83                                                                           |
| 5200017941      | 01.07.2015   | -2.025.522,83                                                                          |
| 2788550         | 30.09.2000   | 2.015.163,95                                                                           |
| 2788557         | 05.10.2000   | -2.015.163,95                                                                          |
| 5000001189      | 30.09.2014   | 1.973.926,00                                                                           |
| 5200036264      | 30.11.2001   | 1.960.787,10                                                                           |
| 5200036290      | 01.12.2001   | -1.960.787,10                                                                          |
| 5000002024      | 31.12.2017   | 1.932.296,00                                                                           |
| 5200026500      | 30.09.2016   | 1.922.701,86                                                                           |
| 5200026956      | 01.10.2016   | -1.922.701,86                                                                          |
| 5200012802      | 31.12.2004   | 1.920.768,02                                                                           |
| 5200000179      | 01.01.2005   | -1.920.768,02                                                                          |
| 5200026695      | 30.09.2016   | 1.900.846,42                                                                           |
| 5200027151      | 01.10.2016   | -1.900.846,42                                                                          |
| 5200010627      | 30.09.2004   | 1.887.278,88                                                                           |
| 5200010651      | 01.10.2004   | -1.887.278,88                                                                          |
| 5200023519      | 31.08.2016   | 1.847.462,60                                                                           |
| 5200023982      | 01.09.2016   | -1.847.462,60                                                                          |
| 5200006754      | 30.06.2003   | 1.847.099,87                                                                           |
| 5200006780      | 01.07.2003   | -1.847.099,87                                                                          |
| 5000000309      | 31.03.2016   | 1.827.695,00                                                                           |
| 5000002310      | 31.12.2017   | 1.803.341,76                                                                           |
| 5000002310      | 31.12.2017   | 1.800.397,00                                                                           |
| 5200005501      | 29.02.2016   | 1.795.445,59                                                                           |
| 5200006021      | 01.03.2016   | -1.795.445,59                                                                          |
| 5200016822      | 30.06.2016   | 1.788.437,27                                                                           |
| 5200017283      | 01.07.2016   | -1.788.437,27                                                                          |
| 5000002310      | 31.12.2017   | 1.780.800,00                                                                           |
| 2787424         | 31.08.2000   | 1.771.677,82                                                                           |
| 2787431         | 05.09.2000   | -1.771.677,82                                                                          |
| 5200021072      | 31.07.2013   | 1.758.963,02                                                                           |
| 5200021429      | 01.08.2013   | -1.758.963,02                                                                          |
| 2705424         | 31.03.2001   | 1.744.400,00                                                                           |
| 2705432         | 04.04.2001   | -1.744.400,00                                                                          |
| 2703055         | 31.01.2001   | 1.710.410,61                                                                           |
| 2703063         | 05.02.2001   | -1.710.410,61                                                                          |
| 5200032066      | 30.11.2015   | 1.695.051,20                                                                           |
| 5200032469      | 01.12.2015   | -1.695.051,20                                                                          |
| 5200001408      | 31.01.2002   | 1.693.251,69                                                                           |
| 5200001441      | 01.02.2002   | -1.693.251,69                                                                          |
| 2785102         | 30.06.2000   | 1.685.173,02                                                                           |
| 2785109         | 05.07.2000   | -1.685.173,02                                                                          |
| 5200014559      | 31.05.2016   | 1.669.230,85                                                                           |
| 5200015034      | 01.06.2016   | -1.669.230,85                                                                          |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004667      | 30.04.2003   | 1.665.145,37                                                                           |
| 5200004695      | 01.05.2003   | -1.665.145,37                                                                          |
| 5200013741      | 31.10.2001   | 1.634.915,59                                                                           |
| 5200013779      | 01.11.2001   | -1.634.915,59                                                                          |
| 5000002310      | 31.12.2017   | 1.621.763,92                                                                           |
| 2772070         | 31.07.1999   | 1.618.987,08                                                                           |
| 2772078         | 04.08.1999   | -1.618.987,08                                                                          |
| 5200008924      | 31.08.2003   | 1.600.423,95                                                                           |
| 5200008950      | 01.09.2003   | -1.600.423,95                                                                          |
| 5200012891      | 30.04.2013   | 1.598.278,11                                                                           |
| 5200013242      | 01.05.2013   | -1.598.278,11                                                                          |
| 2784058         | 31.05.2000   | 1.581.817,23                                                                           |
| 2784051         | 07.06.2000   | -1.581.817,23                                                                          |
| 5000002048      | 31.12.2017   | 1.561.000,00                                                                           |
| 5200014278      | 31.12.2003   | 1.559.328,50                                                                           |
| 5200000374      | 01.01.2004   | -1.559.328,50                                                                          |
| 2789686         | 31.10.2000   | 1.539.367,56                                                                           |
| 2789693         | 03.11.2000   | -1.539.367,56                                                                          |
| 5200017633      | 31.05.2017   | 1.538.891,81                                                                           |
| 5200018194      | 01.06.2017   | -1.538.891,81                                                                          |
| 5200011764      | 31.10.2003   | 1.538.300,30                                                                           |
| 5200011788      | 01.11.2003   | -1.538.300,30                                                                          |
| 5200015468      | 31.05.2013   | 1.535.727,24                                                                           |
| 5200015828      | 01.06.2013   | -1.535.727,24                                                                          |
| 5200007792      | 31.07.2003   | 1.520.964,92                                                                           |
| 5200007820      | 01.08.2003   | -1.520.964,92                                                                          |
| 5000002157      | 31.12.2017   | 1.510.000,00                                                                           |
| 5200023682      | 30.09.2014   | 1.509.380,40                                                                           |
| 5200024007      | 01.10.2014   | -1.509.380,40                                                                          |
| 5200026134      | 31.10.2014   | 1.507.215,66                                                                           |
| 5200026487      | 01.11.2014   | -1.507.215,66                                                                          |
| 5000001823      | 30.11.2017   | 1.500.000,00                                                                           |
| 5000002310      | 31.12.2017   | 1.500.000,00                                                                           |
| 2704184         | 28.02.2001   | 1.496.700,08                                                                           |
| 2704192         | 05.03.2001   | -1.496.700,08                                                                          |
| 2760761         | 31.10.1998   | 1.496.353,44                                                                           |
| 2760768         | 04.11.1998   | -1.496.353,44                                                                          |
| 5000002310      | 31.12.2017   | 1.489.358,70                                                                           |
| 5200004494      | 31.03.2002   | 1.488.991,98                                                                           |
| 5200004515      | 01.04.2002   | -1.488.991,98                                                                          |
| 5200008345      | 31.03.2016   | 1.482.662,00                                                                           |
| 5200008834      | 01.04.2016   | -1.482.662,00                                                                          |
| 5000000779      | 30.06.2016   | 1.475.586,00                                                                           |
| 2755658         | 30.06.1998   | 1.473.192,49                                                                           |
| 2755627         | 03.07.1998   | -1.473.192,49                                                                          |
| 5200029134      | 31.10.2015   | 1.452.985,30                                                                           |
| 5200029542      | 01.11.2015   | -1.452.985,30                                                                          |
| 5000001724      | 30.11.2017   | 1.448.000,00                                                                           |
| 5200014883      | 31.05.2015   | 1.439.980,04                                                                           |
| 5200015274      | 01.06.2015   | -1.439.980,04                                                                          |
| 2786251         | 31.07.2000   | 1.432.165,35                                                                           |
| 2786258         | 03.08.2000   | -1.432.165,35                                                                          |
| 5200020297      | 31.07.2015   | 1.424.530,17                                                                           |
| 5200020665      | 01.08.2015   | -1.424.530,17                                                                          |
| 5200029159      | 31.10.2013   | 1.417.405,09                                                                           |
| 5200029501      | 01.11.2013   | -1.417.405,09                                                                          |
| 5200005726      | 30.04.2002   | 1.411.971,43                                                                           |
| 5200005749      | 01.05.2002   | -1.411.971,43                                                                          |
| 5200031297      | 31.12.2014   | 1.394.645,02                                                                           |
| 5200000624      | 01.01.2015   | -1.394.645,02                                                                          |

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| 5000002310      | 31.12.2017   | 1.381.000,00                                                                           |
| 5200014099      | 30.11.2002   | 1.377.359,31                                                                           |
| 5200014122      | 01.12.2002   | -1.377.359,31                                                                          |
| 5200028784      | 30.11.2014   | 1.376.301,29                                                                           |
| 5200029148      | 01.12.2014   | -1.376.301,29                                                                          |
| 5200011721      | 30.09.2002   | 1.370.517,34                                                                           |
| 5200011744      | 01.10.2002   | -1.370.517,34                                                                          |
| 5000002424      | 31.12.2017   | -1.365.342,77                                                                          |
| 5200006964      | 31.05.2002   | 1.359.925,50                                                                           |
| 5200006978      | 01.06.2002   | -1.359.925,50                                                                          |
| 5200012941      | 31.10.2002   | 1.359.737,45                                                                           |
| 5200012963      | 01.11.2002   | -1.359.737,45                                                                          |
| 5200018187      | 30.06.2013   | 1.353.421,70                                                                           |
| 5200018587      | 01.07.2013   | -1.353.421,70                                                                          |
| 5000002024      | 31.12.2017   | 1.344.755,00                                                                           |
| 5200012231      | 31.05.2014   | 1.335.119,28                                                                           |
| 5200012678      | 01.06.2014   | -1.335.119,28                                                                          |
| 5200002494      | 28.02.2003   | 1.310.748,58                                                                           |
| 5200002521      | 01.03.2003   | -1.310.748,58                                                                          |
| 5200031568      | 30.11.2013   | 1.297.923,04                                                                           |
| 5200031924      | 01.12.2013   | -1.297.923,04                                                                          |
| 2762084         | 30.11.1998   | 1.296.182,85                                                                           |
| 2762091         | 03.12.1998   | -1.296.182,85                                                                          |
| 5200007600      | 30.06.2002   | 1.286.757,21                                                                           |
| 5200007623      | 01.07.2002   | -1.286.757,21                                                                          |
| 5000001785      | 30.11.2017   | 1.280.000,00                                                                           |
| 5000000751      | 30.06.2014   | 1.265.351,00                                                                           |
| 2701887         | 31.12.2000   | 1.258.253,91                                                                           |
| 2701879         | 04.01.2001   | -1.258.253,91                                                                          |
| 5000002310      | 31.12.2017   | 1.257.804,20                                                                           |
| 5000002024      | 31.12.2017   | 1.254.190,00                                                                           |
| 5200023669      | 31.08.2013   | 1.245.289,78                                                                           |
| 5200024022      | 01.09.2013   | -1.245.289,78                                                                          |
| 5200009331      | 31.07.2002   | 1.237.974,07                                                                           |
| 5200009355      | 01.08.2002   | -1.237.974,07                                                                          |
| 5200026320      | 30.09.2015   | 1.236.226,58                                                                           |
| 5200026735      | 01.10.2015   | -1.236.226,58                                                                          |
| 5200031760      | 30.11.2013   | 1.233.840,03                                                                           |
| 5200032116      | 01.12.2013   | -1.233.840,03                                                                          |
| 5200023057      | 31.08.2015   | 1.233.196,34                                                                           |
| 5200023437      | 01.09.2015   | -1.233.196,34                                                                          |
| 5200017428      | 31.07.2012   | 1.230.207,35                                                                           |
| 5200017714      | 01.08.2012   | -1.230.207,35                                                                          |
| 2750415         | 28.02.1998   | 1.222.867,14                                                                           |
| 2750422         | 04.03.1998   | -1.222.867,14                                                                          |
| 5200003179      | 28.02.2002   | 1.220.940,53                                                                           |
| 5200003207      | 01.03.2002   | -1.220.940,53                                                                          |
| 2747236         | 30.11.1997   | 1.202.334,63                                                                           |
| 2747243         | 03.12.1997   | -1.202.334,63                                                                          |
| 5000001620      | 31.10.2017   | 1.202.000,00                                                                           |
| 5000001889      | 31.12.2014   | 1.200.000,00                                                                           |
| 5000002310      | 31.12.2017   | 1.200.000,00                                                                           |
| 5200028106      | 31.08.2017   | 1.195.955,11                                                                           |
| 5200028668      | 01.09.2017   | -1.195.955,11                                                                          |
| 2765990         | 28.02.1999   | 1.176.992,93                                                                           |
| 2765997         | 03.03.1999   | -1.176.992,93                                                                          |
| 2767400         | 31.03.1999   | 1.171.164,33                                                                           |
| 2767407         | 07.04.1999   | -1.171.164,33                                                                          |
| 5200002311      | 31.01.2015   | 1.166.705,35                                                                           |
| 5200002735      | 01.02.2015   | -1.166.705,35                                                                          |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2762079         | 30.11.1998   | 1.164.835,67                                                                           |
| 2762086         | 03.12.1998   | -1.164.835,67                                                                          |
| 2749626         | 31.01.1998   | 1.161.067,68                                                                           |
| 2749633         | 04.02.1998   | -1.161.067,68                                                                          |
| 2760766         | 31.10.1998   | 1.158.404,64                                                                           |
| 2760773         | 04.11.1998   | -1.158.404,64                                                                          |
| 2701889         | 31.12.2000   | 1.141.792,67                                                                           |
| 2701881         | 04.01.2001   | -1.141.792,67                                                                          |
| 2710545         | 30.06.1995   | 1.140.402,90                                                                           |
| 2710567         | 05.07.1995   | -1.140.402,90                                                                          |
| 5200029225      | 31.10.2013   | 1.137.542,48                                                                           |
| 5200029567      | 01.11.2013   | -1.137.542,48                                                                          |
| 2764652         | 31.01.1999   | 1.135.224,30                                                                           |
| 2764659         | 03.02.1999   | -1.135.224,30                                                                          |
| 5200007828      | 31.03.2015   | 1.132.791,21                                                                           |
| 5200008232      | 01.04.2015   | -1.132.791,21                                                                          |
| 5200033935      | 31.12.2013   | 1.123.132,68                                                                           |
| 5200000629      | 01.01.2014   | -1.123.132,68                                                                          |
| 2753345         | 30.04.1998   | 1.122.435,67                                                                           |
| 2753352         | 06.05.1998   | -1.122.435,67                                                                          |
| 5200010259      | 30.09.2003   | 1.118.256,07                                                                           |
| 5200010285      | 01.10.2003   | -1.118.256,07                                                                          |
| 5000002310      | 31.12.2017   | 1.116.000,00                                                                           |
| 5200001394      | 31.01.2003   | 1.109.531,56                                                                           |
| 5200001421      | 01.02.2003   | -1.109.531,56                                                                          |
| 2705988         | 31.01.1995   | 1.109.066,21                                                                           |
| 2706002         | 07.02.1995   | -1.109.066,21                                                                          |
| 5200003608      | 31.03.2003   | 1.104.943,93                                                                           |
| 5200003636      | 01.04.2003   | -1.104.943,93                                                                          |
| 2746015         | 31.10.1997   | 1.100.260,71                                                                           |
| 2746022         | 05.11.1997   | -1.100.260,71                                                                          |
| 5000002310      | 31.12.2017   | 1.100.000,00                                                                           |
| 5200031798      | 30.09.2017   | 1.073.014,19                                                                           |
| 5200032356      | 01.10.2017   | -1.073.014,19                                                                          |
| 2714363         | 01.11.1995   | 1.072.959,49                                                                           |
| 2714341         | 03.11.1995   | -1.072.959,49                                                                          |
| 5200026317      | 31.10.2014   | 1.072.897,91                                                                           |
| 5200026670      | 01.11.2014   | -1.072.897,91                                                                          |
| 2718829         | 29.02.1996   | 1.071.562,24                                                                           |
| 2718836         | 05.03.1996   | -1.071.562,24                                                                          |
| 2764647         | 31.01.1999   | 1.060.892,89                                                                           |
| 2764654         | 03.02.1999   | -1.060.892,89                                                                          |
| 5200001454      | 31.01.2016   | 1.052.504,21                                                                           |
| 5200001945      | 01.02.2016   | -1.052.504,21                                                                          |
| 2754477         | 31.05.1998   | 1.050.454,66                                                                           |
| 2754484         | 04.06.1998   | -1.050.454,66                                                                          |
| 2704190         | 28.02.2001   | 1.044.706,49                                                                           |
| 2704198         | 05.03.2001   | -1.044.706,49                                                                          |
| 5000002310      | 31.12.2017   | 1.037.112,43                                                                           |
| 5000002024      | 31.12.2017   | 1.036.820,00                                                                           |
| 5200004603      | 28.02.2015   | 1.028.528,94                                                                           |
| 5200005034      | 01.03.2015   | -1.028.528,94                                                                          |
| 2715380         | 30.11.1995   | 1.026.444,66                                                                           |
| 2715387         | 05.12.1995   | -1.026.444,66                                                                          |
| 2775766         | 31.10.1999   | 1.023.875,43                                                                           |
| 2775773         | 03.11.1999   | -1.023.875,43                                                                          |
| 2720437         | 31.03.1996   | 1.020.466,70                                                                           |
| 2720444         | 04.04.1996   | -1.020.466,70                                                                          |
| 5200026574      | 30.09.2013   | 1.018.526,88                                                                           |
| 5200026943      | 01.10.2013   | -1.018.526,88                                                                          |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2781741         | 31.03.2000   | 1.009.070,12                                                                           |
| 2781748         | 05.04.2000   | -1.009.070,12                                                                          |
| 2789689         | 31.10.2000   | 1.003.534,52                                                                           |
| 2789696         | 03.11.2000   | -1.003.534,52                                                                          |
| 5200028947      | 31.10.2015   | 1.002.588,41                                                                           |
| 5200029355      | 01.11.2015   | -1.002.588,41                                                                          |
| 5200028974      | 30.11.2014   | 994.130,89                                                                             |
| 5200029338      | 01.12.2014   | -994.130,89                                                                            |
| 2782807         | 30.04.2000   | 993.039,68                                                                             |
| 2782800         | 04.05.2000   | -993.039,68                                                                            |
| 2705430         | 31.03.2001   | 988.627,52                                                                             |
| 2705438         | 04.04.2001   | -988.627,52                                                                            |
| 2777062         | 30.11.1999   | 988.583,92                                                                             |
| 2777069         | 03.12.1999   | -988.583,92                                                                            |
| 5200012008      | 30.04.2015   | 984.535,04                                                                             |
| 5200012422      | 01.05.2015   | -984.535,04                                                                            |
| 2752212         | 31.03.1998   | 976.591,55                                                                             |
| 2752220         | 03.04.1998   | -976.591,55                                                                            |
| 2706959         | 28.02.1995   | 975.408,33                                                                             |
| 2706980         | 07.03.1995   | -975.408,33                                                                            |
| 2738054         | 31.03.1997   | 969.615,24                                                                             |
| 2738061         | 03.04.1997   | -969.615,24                                                                            |
| 5200010528      | 31.08.2002   | 969.603,25                                                                             |
| 5200010552      | 01.09.2002   | -969.603,25                                                                            |
| 2742536         | 31.07.1997   | 965.001,19                                                                             |
| 2742543         | 05.08.1997   | -965.001,19                                                                            |
| 2732313         | 31.01.1997   | 963.453,88                                                                             |
| 2732320         | 05.02.1997   | -963.453,88                                                                            |
| 5200037328      | 31.12.2001   | 957.853,32                                                                             |
| 5200000576      | 01.01.2002   | -957.853,32                                                                            |
| 2709643         | 31.05.1995   | 955.543,14                                                                             |
| 2709665         | 06.06.1995   | -955.543,14                                                                            |
| 5200020082      | 31.12.2011   | 954.596,36                                                                             |
| 5200000555      | 01.01.2012   | -954.596,36                                                                            |
| 5200005265      | 29.02.2016   | 952.207,00                                                                             |
| 5200005785      | 01.03.2016   | -952.207,00                                                                            |
| 2718099         | 31.01.1996   | 946.768,60                                                                             |
| 2718106         | 05.02.1996   | -946.768,60                                                                            |
| 2732318         | 31.01.1997   | 946.417,38                                                                             |
| 2732325         | 05.02.1997   | -946.417,38                                                                            |
| 2728652         | 31.10.1996   | 945.136,83                                                                             |
| 2728660         | 05.11.1996   | -945.136,83                                                                            |
| 5200008348      | 31.03.2016   | 931.941,69                                                                             |
| 5200008837      | 01.04.2016   | -931.941,69                                                                            |
| 5200009028      | 30.04.2012   | 927.613,53                                                                             |
| 5200009306      | 01.05.2012   | -927.613,53                                                                            |
| 5200032522      | 30.11.2016   | 927.415,23                                                                             |
| 5200032989      | 01.12.2016   | -927.415,23                                                                            |
| 5200013623      | 30.04.2017   | 927.221,47                                                                             |
| 5200014180      | 01.05.2017   | -927.221,47                                                                            |
| 5200031883      | 30.11.2015   | 926.204,40                                                                             |
| 5200032286      | 01.12.2015   | -926.204,40                                                                            |
| 2707992         | 31.03.1995   | 925.486,87                                                                             |
| 2707917         | 07.04.1995   | -925.486,87                                                                            |
| 5000002157      | 31.12.2017   | 925.000,00                                                                             |
| 2700892         | 30.11.2000   | 922.707,57                                                                             |
| 2700899         | 05.12.2000   | -922.707,57                                                                            |
| 5200042390      | 31.12.2017   | 922.592,43                                                                             |
| 2736783         | 28.02.1997   | 914.084,79                                                                             |
| 2736790         | 05.03.1997   | -914.084,79                                                                            |

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Uncertain liabilities Healthcare

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2765995         | 28.02.1999   | 913.050,06                                                                             |
| 2766002         | 03.03.1999   | -913.050,06                                                                            |
| 2756997         | 31.07.1998   | 913.039,17                                                                             |
| 2757004         | 05.08.1998   | -913.039,17                                                                            |
| 2750420         | 28.02.1998   | 909.198,13                                                                             |
| 2750427         | 04.03.1998   | -909.198,13                                                                            |
| 2768384         | 30.04.1999   | 906.649,09                                                                             |
| 2768391         | 05.05.1999   | -906.649,09                                                                            |
| 2712462         | 31.08.1995   | 901.268,38                                                                             |
| 2712486         | 04.09.1995   | -901.268,38                                                                            |
| 2741291         | 30.06.1997   | 894.066,96                                                                             |
| 2741298         | 03.07.1997   | -894.066,96                                                                            |
| 5000002310      | 31.12.2017   | 890.208,00                                                                             |
| 5000002024      | 31.12.2017   | 888.419,00                                                                             |
| 5200040075      | 30.11.2017   | 886.823,58                                                                             |
| 5200040625      | 01.12.2017   | -886.823,58                                                                            |
| 2759471         | 30.09.1998   | 885.635,32                                                                             |
| 2759478         | 05.10.1998   | -885.635,32                                                                            |
| 5200018357      | 31.07.2014   | 883.529,14                                                                             |
| 5200018780      | 01.08.2014   | -883.529,14                                                                            |
| 5200005498      | 29.02.2016   | 878.250,28                                                                             |
| 5200006018      | 01.03.2016   | -878.250,28                                                                            |
| 2778930         | 31.01.2000   | 877.921,05                                                                             |
| 2778937         | 03.02.2000   | -877.921,05                                                                            |
| 5200002188      | 31.01.2012   | 875.404,50                                                                             |
| 5200002431      | 01.02.2012   | -875.404,50                                                                            |
| 5200026492      | 30.09.2016   | 872.000,28                                                                             |
| 5200026948      | 01.10.2016   | -872.000,28                                                                            |
| 2778222         | 31.12.1999   | 864.454,99                                                                             |
| 2778229         | 05.01.2000   | -864.454,99                                                                            |
| 2771245         | 30.06.1999   | 862.591,46                                                                             |
| 2771252         | 05.07.1999   | -862.591,46                                                                            |
| 2708690         | 30.04.1995   | 859.976,23                                                                             |
| 2708712         | 04.05.1995   | -859.976,23                                                                            |
| 2780132         | 29.02.2000   | 858.614,34                                                                             |
| 2780139         | 03.03.2000   | -858.614,34                                                                            |
| 2758177         | 31.08.1998   | 856.730,84                                                                             |
| 2758184         | 03.09.1998   | -856.730,84                                                                            |
| 5000001786      | 30.11.2017   | 855.000,00                                                                             |
| 5200033738      | 31.12.2015   | 851.795,83                                                                             |
| 5200000452      | 01.01.2016   | -851.795,83                                                                            |
| 5200021261      | 31.07.2013   | 851.317,51                                                                             |
| 5200021618      | 01.08.2013   | -851.317,51                                                                            |
| 2727489         | 30.09.1996   | 851.169,05                                                                             |
| 2727496         | 04.10.1996   | -851.169,05                                                                            |
| 5000002169      | 31.12.2017   | -844.000,00                                                                            |
| 2744849         | 30.09.1997   | 840.989,28                                                                             |
| 2744856         | 06.10.1997   | -840.989,28                                                                            |
| 5200001451      | 31.01.2016   | 840.288,31                                                                             |
| 5200001942      | 01.02.2016   | -840.288,31                                                                            |
| 2769779         | 31.05.1999   | 839.237,63                                                                             |
| 2769786         | 07.06.1999   | -839.237,63                                                                            |
| 2757002         | 31.07.1998   | 838.750,85                                                                             |
| 2757009         | 05.08.1998   | -838.750,85                                                                            |
| 2755653         | 30.06.1998   | 838.376,06                                                                             |
| 2755622         | 03.07.1998   | -838.376,06                                                                            |
| 5200015431      | 30.06.2014   | 835.348,75                                                                             |
| 5200015861      | 01.07.2014   | -835.348,75                                                                            |
| 5200010672      | 30.04.2016   | 829.803,28                                                                             |
| 5200011156      | 01.05.2016   | -829.803,28                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2773434         | 31.08.1999   | 828.076,75                                                                             |
| 2773441         | 03.09.1999   | -828.076,75                                                                            |
| 5200001510      | 31.01.2014   | 827.048,75                                                                             |
| 5200001882      | 01.02.2014   | -827.048,75                                                                            |
| 2729865         | 30.11.1996   | 826.297,58                                                                             |
| 2729873         | 04.12.1996   | -826.297,58                                                                            |
| 5000001793      | 30.11.2017   | 826.000,00                                                                             |
| 5200000024      | 30.04.2001   | 816.273,64                                                                             |
| 5200000051      | 01.05.2001   | -816.273,64                                                                            |
| 2740137         | 31.05.1997   | 812.773,19                                                                             |
| 2740145         | 04.06.1997   | -812.773,19                                                                            |
| 5200035469      | 31.10.2017   | 811.844,15                                                                             |
| 5200036025      | 01.11.2017   | -811.844,15                                                                            |
| 2740131         | 31.05.1997   | 811.239,45                                                                             |
| 2740139         | 04.06.1997   | -811.239,45                                                                            |
| 2723827         | 30.06.1996   | 809.194,31                                                                             |
| 2723834         | 03.07.1996   | -809.194,31                                                                            |
| 5200036287      | 30.11.2001   | 808.855,77                                                                             |
| 5200036313      | 01.12.2001   | -808.855,77                                                                            |
| 2722718         | 31.05.1996   | 807.192,11                                                                             |
| 2722725         | 05.06.1996   | -807.192,11                                                                            |
| 5000002319      | 31.12.2017   | -806.078,37                                                                            |
| 2742541         | 31.07.1997   | 804.521,88                                                                             |
| 2742548         | 05.08.1997   | -804.521,88                                                                            |
| 5000002310      | 31.12.2017   | 802.487,69                                                                             |
| 2739054         | 30.04.1997   | 799.664,54                                                                             |
| 2739061         | 06.05.1997   | -799.664,54                                                                            |
| 2725111         | 31.07.1996   | 793.416,62                                                                             |
| 2725118         | 05.08.1996   | -793.416,62                                                                            |
| 5200001745      | 31.05.2001   | 793.101,76                                                                             |
| 5200001772      | 01.06.2001   | -793.101,76                                                                            |
| 2736778         | 28.02.1997   | 790.517,69                                                                             |
| 2736785         | 05.03.1997   | -790.517,69                                                                            |
| 5200034468      | 31.12.2016   | 788.368,59                                                                             |
| 5200000564      | 01.01.2017   | -788.368,59                                                                            |
| 5000002311      | 31.12.2017   | 785.841,89                                                                             |
| 2711525         | 31.07.1995   | 779.210,11                                                                             |
| 2711550         | 03.08.1995   | -779.210,11                                                                            |
| 5200014349      | 31.05.2016   | 778.682,70                                                                             |
| 5200014824      | 01.06.2016   | -778.682,70                                                                            |
| 2746020         | 31.10.1997   | 773.904,37                                                                             |
| 2746027         | 05.11.1997   | -773.904,37                                                                            |
| 5200029540      | 31.10.2016   | 770.166,92                                                                             |
| 5200029991      | 01.11.2016   | -770.166,92                                                                            |
| 5200023313      | 31.08.2016   | 765.547,27                                                                             |
| 5200023776      | 01.09.2016   | -765.547,27                                                                            |
| 5200009075      | 31.03.2017   | 764.289,29                                                                             |
| 5200009614      | 01.04.2017   | -764.289,29                                                                            |
| 5200021346      | 30.06.2017   | 758.853,45                                                                             |
| 5200021904      | 01.07.2017   | -758.853,45                                                                            |
| 2700895         | 30.11.2000   | 754.034,60                                                                             |
| 2700902         | 05.12.2000   | -754.034,60                                                                            |
| 5000001848      | 31.12.2015   | 753.880,17                                                                             |
| 2721608         | 30.04.1996   | 750.213,17                                                                             |
| 2721615         | 06.05.1996   | -750.213,17                                                                            |
| 5000002310      | 31.12.2017   | 750.000,00                                                                             |
| 2772073         | 31.07.1999   | 749.507,71                                                                             |
| 2772080         | 04.08.1999   | -749.507,71                                                                            |
| 5200004691      | 30.04.2003   | 745.860,71                                                                             |
| 5200004719      | 01.05.2003   | -745.860,71                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003634      | 31.03.2003   | 741.059,47                                                                             |
| 5200003661      | 01.04.2003   | -741.059,47                                                                            |
| 5200016617      | 30.06.2016   | 741.017,66                                                                             |
| 5200017078      | 01.07.2016   | -741.017,66                                                                            |
| 5000002310      | 31.12.2017   | 740.042,57                                                                             |
| 2754479         | 31.05.1998   | 733.013,71                                                                             |
| 2754486         | 04.06.1998   | -733.013,71                                                                            |
| 5200004389      | 28.02.2015   | 730.799,34                                                                             |
| 5200004820      | 01.03.2015   | -730.799,34                                                                            |
| 2774679         | 30.09.1999   | 728.405,68                                                                             |
| 2774687         | 05.10.1999   | -728.405,68                                                                            |
| 2778932         | 31.01.2000   | 727.932,34                                                                             |
| 2778939         | 03.02.2000   | -727.932,34                                                                            |
| 2747238         | 30.11.1997   | 726.592,26                                                                             |
| 2747245         | 03.12.1997   | -726.592,26                                                                            |
| 2760763         | 31.10.1998   | 724.454,67                                                                             |
| 2760770         | 04.11.1998   | -724.454,67                                                                            |
| 5200026137      | 31.10.2014   | 724.286,56                                                                             |
| 5200026490      | 01.11.2014   | -724.286,56                                                                            |
| 5200020354      | 31.07.2016   | 721.281,35                                                                             |
| 5200020824      | 01.08.2016   | -721.281,35                                                                            |
| 2784060         | 31.05.2000   | 719.468,87                                                                             |
| 2784053         | 07.06.2000   | -719.468,87                                                                            |
| 5200006781      | 31.03.2014   | 718.018,53                                                                             |
| 5200007187      | 01.04.2014   | -718.018,53                                                                            |
| 2743644         | 31.08.1997   | 717.199,12                                                                             |
| 2743651         | 03.09.1997   | -717.199,12                                                                            |
| 5200014880      | 31.05.2015   | 711.037,13                                                                             |
| 5200015271      | 01.06.2015   | -711.037,13                                                                            |
| 5200013614      | 30.04.2017   | 705.806,61                                                                             |
| 5200014171      | 01.05.2017   | -705.806,61                                                                            |
| 2704186         | 28.02.2001   | 705.609,04                                                                             |
| 2704194         | 05.03.2001   | -705.609,04                                                                            |
| 5200021077      | 31.08.2014   | 697.996,64                                                                             |
| 5200021510      | 01.09.2014   | -697.996,64                                                                            |
| 5200022883      | 31.08.2015   | 692.930,48                                                                             |
| 5200023263      | 01.09.2015   | -692.930,48                                                                            |
| 5000000830      | 30.06.2014   | -685.256,00                                                                            |
| 5200012881      | 30.04.2013   | 684.683,79                                                                             |
| 5200013232      | 01.05.2013   | -684.683,79                                                                            |
| 5000002311      | 31.12.2017   | 684.588,00                                                                             |
| 5200029039      | 31.10.2013   | 684.537,38                                                                             |
| 5200029381      | 01.11.2013   | -684.537,38                                                                            |
| 5200021058      | 31.07.2013   | 678.621,23                                                                             |
| 5200021415      | 01.08.2013   | -678.621,23                                                                            |
| 5200010881      | 30.04.2016   | 675.430,72                                                                             |
| 5200011365      | 01.05.2016   | -675.430,72                                                                            |
| 5000002053      | 31.12.2017   | 675.000,00                                                                             |
| 2755655         | 30.06.1998   | 673.659,60                                                                             |
| 2755624         | 03.07.1998   | -673.659,60                                                                            |
| 5200012882      | 30.04.2013   | 671.244,89                                                                             |
| 5200013233      | 01.05.2013   | -671.244,89                                                                            |
| 5200009067      | 31.03.2017   | 669.366,04                                                                             |
| 5200009606      | 01.04.2017   | -669.366,04                                                                            |
| 5000002163      | 31.12.2017   | 669.162,00                                                                             |
| 5000002216      | 31.12.2017   | -669.162,00                                                                            |
| 2754482         | 31.05.1998   | 666.606,78                                                                             |
| 2754489         | 04.06.1998   | -666.606,78                                                                            |
| 5200004241      | 31.07.2001   | 666.145,11                                                                             |
| 5200004268      | 01.08.2001   | -666.145,11                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014356      | 31.05.2016   | 665.281,92                                                                             |
| 5200014831      | 01.06.2016   | -665.281,92                                                                            |
| 5000001817      | 30.11.2017   | 665.000,00                                                                             |
| 2785107         | 30.06.2000   | 663.079,32                                                                             |
| 2785114         | 05.07.2000   | -663.079,32                                                                            |
| 2769784         | 31.05.1999   | 657.802,25                                                                             |
| 2769791         | 07.06.1999   | -657.802,25                                                                            |
| 5200026390      | 30.09.2013   | 657.442,38                                                                             |
| 5200026759      | 01.10.2013   | -657.442,38                                                                            |
| 5200020847      | 31.08.2014   | 652.065,18                                                                             |
| 5200021280      | 01.09.2014   | -652.065,18                                                                            |
| 5200033774      | 31.12.2013   | 651.301,40                                                                             |
| 5200000468      | 01.01.2014   | -651.301,40                                                                            |
| 5200026126      | 30.09.2015   | 642.007,84                                                                             |
| 5200026541      | 01.10.2015   | -642.007,84                                                                            |
| 2726347         | 31.08.1996   | 641.672,90                                                                             |
| 2726354         | 04.09.1996   | -641.672,90                                                                            |
| 5200020294      | 31.07.2015   | 639.093,65                                                                             |
| 5200020662      | 01.08.2015   | -639.093,65                                                                            |
| 5200001460      | 31.01.2016   | 637.970,61                                                                             |
| 5200001951      | 01.02.2016   | -637.970,61                                                                            |
| 2772076         | 31.07.1999   | 632.637,85                                                                             |
| 2772083         | 04.08.1999   | -632.637,85                                                                            |
| 5200004028      | 28.02.2014   | 626.676,30                                                                             |
| 5200004429      | 01.03.2014   | -626.676,30                                                                            |
| 2784063         | 31.05.2000   | 626.276,70                                                                             |
| 2784056         | 07.06.2000   | -626.276,70                                                                            |
| 5200029547      | 31.10.2016   | 624.357,88                                                                             |
| 5200029998      | 01.11.2016   | -624.357,88                                                                            |
| 5200033744      | 31.12.2015   | 620.412,82                                                                             |
| 5200000458      | 01.01.2016   | -620.412,82                                                                            |
| 5200012468      | 31.05.2014   | 614.608,14                                                                             |
| 5200012915      | 01.06.2014   | -614.608,14                                                                            |
| 5200007022      | 31.03.2014   | 610.342,14                                                                             |
| 5200007428      | 01.04.2014   | -610.342,14                                                                            |
| 5200020123      | 31.07.2015   | 609.877,89                                                                             |
| 5200020491      | 01.08.2015   | -609.877,89                                                                            |
| 5200018394      | 30.06.2013   | 607.670,15                                                                             |
| 5200018793      | 01.07.2013   | -607.670,15                                                                            |
| 5200006106      | 30.09.2001   | 606.156,85                                                                             |
| 5200006133      | 01.10.2001   | -606.156,85                                                                            |
| 5200017635      | 31.05.2017   | 596.711,98                                                                             |
| 5200018196      | 01.06.2017   | -596.711,98                                                                            |
| 2786253         | 31.07.2000   | 595.609,12                                                                             |
| 2786260         | 03.08.2000   | -595.609,12                                                                            |
| 2788552         | 30.09.2000   | 595.506,65                                                                             |
| 2788559         | 05.10.2000   | -595.506,65                                                                            |
| 2703057         | 31.01.2001   | 590.162,34                                                                             |
| 2703065         | 05.02.2001   | -590.162,34                                                                            |
| 2741296         | 30.06.1997   | 589.254,83                                                                             |
| 2741303         | 03.07.1997   | -589.254,83                                                                            |
| 5200014703      | 31.12.2002   | 586.839,96                                                                             |
| 5200000479      | 01.01.2003   | -586.839,96                                                                            |
| 5200020561      | 31.07.2016   | 584.900,97                                                                             |
| 5200021031      | 01.08.2016   | -584.900,97                                                                            |
| 5200001670      | 31.01.2016   | 584.682,32                                                                             |
| 5200002161      | 01.02.2016   | -584.682,32                                                                            |
| 2786256         | 31.07.2000   | 584.033,49                                                                             |
| 2786263         | 03.08.2000   | -584.033,49                                                                            |
| 5200024364      | 31.07.2017   | 582.928,82                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200024913      | 01.08.2017   | -582.928,82                                                                            |
| 2713384         | 30.09.1995   | 582.182,20                                                                             |
| 2713410         | 05.10.1995   | -582.182,20                                                                            |
| 5200005640      | 31.08.2001   | 581.655,81                                                                             |
| 5200005666      | 01.09.2001   | -581.655,81                                                                            |
| 2785104         | 30.06.2000   | 577.252,05                                                                             |
| 2785111         | 05.07.2000   | -577.252,05                                                                            |
| 5200008570      | 31.03.2016   | 573.283,54                                                                             |
| 5200009059      | 01.04.2016   | -573.283,54                                                                            |
| 5200023528      | 30.09.2014   | 572.184,67                                                                             |
| 5200023853      | 01.10.2014   | -572.184,67                                                                            |
| 5000002310      | 31.12.2017   | 571.994,52                                                                             |
| 5200004236      | 31.07.2001   | 569.368,68                                                                             |
| 5200004263      | 01.08.2001   | -569.368,68                                                                            |
| 5200009789      | 30.04.2014   | 566.211,53                                                                             |
| 5200010211      | 01.05.2014   | -566.211,53                                                                            |
| 5200020850      | 31.08.2014   | 562.204,57                                                                             |
| 5200021283      | 01.09.2014   | -562.204,57                                                                            |
| 2752214         | 31.03.1998   | 552.629,42                                                                             |
| 2752222         | 03.04.1998   | -552.629,42                                                                            |
| 2763339         | 31.12.1998   | 547.820,12                                                                             |
| 2763346         | 06.01.1999   | -547.820,12                                                                            |
| 5000002311      | 31.12.2017   | 545.000,00                                                                             |
| 5200023589      | 30.09.2014   | 543.531,24                                                                             |
| 5200023914      | 01.10.2014   | -543.531,24                                                                            |
| 5200021594      | 30.06.2017   | 543.094,51                                                                             |
| 5200022152      | 01.07.2017   | -543.094,51                                                                            |
| 5000000515      | 31.03.2017   | 541.627,69                                                                             |
| 5200016625      | 30.06.2016   | 538.633,25                                                                             |
| 5200017086      | 01.07.2016   | -538.633,25                                                                            |
| 5200013744      | 31.10.2001   | 534.879,70                                                                             |
| 5200013782      | 01.11.2001   | -534.879,70                                                                            |
| 2748429         | 31.12.1997   | 534.407,59                                                                             |
| 2748436         | 05.01.1998   | -534.407,59                                                                            |
| 5200036265      | 30.11.2001   | 534.207,98                                                                             |
| 5200036291      | 01.12.2001   | -534.207,98                                                                            |
| 5200010679      | 30.04.2016   | 532.488,12                                                                             |
| 5200011163      | 01.05.2016   | -532.488,12                                                                            |
| 2771247         | 30.06.1999   | 531.023,05                                                                             |
| 2771254         | 05.07.1999   | -531.023,05                                                                            |
| 5200002659      | 31.01.2017   | 529.400,45                                                                             |
| 5200003209      | 01.02.2017   | -529.400,45                                                                            |
| 5000002310      | 31.12.2017   | 526.631,00                                                                             |
| 5200002308      | 31.01.2015   | 526.496,78                                                                             |
| 5200002732      | 01.02.2015   | -526.496,78                                                                            |
| 5200005737      | 31.05.2003   | 526.432,05                                                                             |
| 5200005764      | 01.06.2003   | -526.432,05                                                                            |
| 2777067         | 30.11.1999   | 524.313,54                                                                             |
| 2777074         | 03.12.1999   | -524.313,54                                                                            |
| 5000002310      | 31.12.2017   | 523.371,73                                                                             |
| 5200028787      | 30.11.2014   | 520.147,45                                                                             |
| 5200029151      | 01.12.2014   | -520.147,45                                                                            |
| 5200020129      | 31.07.2015   | 515.674,55                                                                             |
| 5200020497      | 01.08.2015   | -515.674,55                                                                            |
| 5000002311      | 31.12.2017   | 512.611,38                                                                             |
| 5200005902      | 28.02.2017   | 512.064,29                                                                             |
| 5200006445      | 01.03.2017   | -512.064,29                                                                            |
| 5200026211      | 31.10.2014   | 511.266,79                                                                             |
| 5200026564      | 01.11.2014   | -511.266,79                                                                            |
| 5000001817      | 30.11.2017   | 510.000,00                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004256      | 28.02.2014   | 509.462,19                                                                             |
| 5200004657      | 01.03.2014   | -509.462,19                                                                            |
| 5200037325      | 31.12.2001   | 508.128,59                                                                             |
| 5200000573      | 01.01.2002   | -508.128,59                                                                            |
| 2787426         | 31.08.2000   | 506.076,00                                                                             |
| 2787433         | 05.09.2000   | -506.076,00                                                                            |
| 5200018128      | 31.07.2014   | 505.877,06                                                                             |
| 5200018551      | 01.08.2014   | -505.877,06                                                                            |
| 5200024374      | 31.07.2017   | 505.492,96                                                                             |
| 5200024923      | 01.08.2017   | -505.492,96                                                                            |
| 5200015469      | 31.05.2013   | 505.389,52                                                                             |
| 5200015829      | 01.06.2013   | -505.389,52                                                                            |
| 5200031880      | 30.11.2015   | 504.110,65                                                                             |
| 5200032283      | 01.12.2015   | -504.110,65                                                                            |
| 2774685         | 30.09.1999   | 503.921,17                                                                             |
| 2774693         | 05.10.1999   | -503.921,17                                                                            |
| 2750417         | 28.02.1998   | 503.762,15                                                                             |
| 2750424         | 04.03.1998   | -503.762,15                                                                            |
| 5200023672      | 31.08.2013   | 501.993,58                                                                             |
| 5200024025      | 01.09.2013   | -501.993,58                                                                            |
| 5200007825      | 31.03.2015   | 501.631,51                                                                             |
| 5200008229      | 01.04.2015   | -501.631,51                                                                            |
| 5000001522      | 30.09.2017   | -500.036,47                                                                            |
| 5000001817      | 30.11.2017   | 500.000,00                                                                             |
| 5000001817      | 30.11.2017   | 500.000,00                                                                             |
| 5000002133      | 31.12.2017   | 500.000,00                                                                             |
| 5000002157      | 31.12.2017   | 500.000,00                                                                             |
| 5000002310      | 31.12.2017   | 500.000,00                                                                             |
| 5200018190      | 30.06.2013   | 499.085,12                                                                             |
| 5200018590      | 01.07.2013   | -499.085,12                                                                            |
| 2773436         | 31.08.1999   | 498.952,45                                                                             |
| 2773443         | 03.09.1999   | -498.952,45                                                                            |
| 5000001897      | 30.11.2017   | 496.271,38                                                                             |
| 5200018140      | 31.07.2014   | 493.490,74                                                                             |
| 5200018563      | 01.08.2014   | -493.490,74                                                                            |
| 5200020861      | 31.08.2014   | 492.963,72                                                                             |
| 5200021294      | 01.09.2014   | -492.963,72                                                                            |
| 5200031663      | 30.11.2013   | 488.434,69                                                                             |
| 5200032019      | 01.12.2013   | -488.434,69                                                                            |
| 5200021162      | 31.07.2013   | 488.392,15                                                                             |
| 5200021519      | 01.08.2013   | -488.392,15                                                                            |
| 5200023771      | 31.08.2013   | 488.383,51                                                                             |
| 5200024124      | 01.09.2013   | -488.383,51                                                                            |
| 5200029134      | 31.10.2013   | 488.275,97                                                                             |
| 5200029476      | 01.11.2013   | -488.275,97                                                                            |
| 5200026488      | 30.09.2013   | 488.272,45                                                                             |
| 5200026857      | 01.10.2013   | -488.272,45                                                                            |
| 2753347         | 30.04.1998   | 488.013,24                                                                             |
| 2753354         | 06.05.1998   | -488.013,24                                                                            |
| 5200018290      | 30.06.2013   | 487.576,38                                                                             |
| 5200018690      | 01.07.2013   | -487.576,38                                                                            |
| 5200015557      | 31.05.2013   | 486.879,02                                                                             |
| 5200015917      | 01.06.2013   | -486.879,02                                                                            |
| 5200012981      | 30.04.2013   | 486.836,23                                                                             |
| 5200013332      | 01.05.2013   | -486.836,23                                                                            |
| 2749628         | 31.01.1998   | 484.785,23                                                                             |
| 2749635         | 04.02.1998   | -484.785,23                                                                            |
| 5200004237      | 31.07.2001   | 482.050,57                                                                             |
| 5200004264      | 01.08.2001   | -482.050,57                                                                            |
| 2729867         | 30.11.1996   | 479.889,23                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2729875         | 04.12.1996   | -479.889,23                                                                            |
| 5200026692      | 30.09.2016   | 476.475,44                                                                             |
| 5200027148      | 01.10.2016   | -476.475,44                                                                            |
| 5000001778      | 30.11.2017   | 475.000,00                                                                             |
| 5200032063      | 30.11.2015   | 474.975,44                                                                             |
| 5200032466      | 01.12.2015   | -474.975,44                                                                            |
| 5200017585      | 30.06.2015   | 473.287,62                                                                             |
| 5200017938      | 01.07.2015   | -473.287,62                                                                            |
| 5200014556      | 31.05.2016   | 472.025,28                                                                             |
| 5200015031      | 01.06.2016   | -472.025,28                                                                            |
| 5000002311      | 31.12.2017   | 472.000,00                                                                             |
| 5200034665      | 31.12.2016   | 470.474,41                                                                             |
| 5200040085      | 30.11.2017   | 464.493,27                                                                             |
| 5200040635      | 01.12.2017   | -464.493,27                                                                            |
| 5200015184      | 30.06.2014   | 464.361,29                                                                             |
| 5200015614      | 01.07.2014   | -464.361,29                                                                            |
| 2705426         | 31.03.2001   | 462.486,38                                                                             |
| 2705434         | 04.04.2001   | -462.486,38                                                                            |
| 5200040083      | 30.11.2017   | 460.012,53                                                                             |
| 5200040633      | 01.12.2017   | -460.012,53                                                                            |
| 5200004600      | 28.02.2015   | 458.574,43                                                                             |
| 5200005031      | 01.03.2015   | -458.574,43                                                                            |
| 2782812         | 30.04.2000   | 456.871,12                                                                             |
| 2782805         | 04.05.2000   | -456.871,12                                                                            |
| 5200002897      | 31.01.2017   | 456.563,36                                                                             |
| 5200003447      | 01.02.2017   | -456.563,36                                                                            |
| 2782809         | 30.04.2000   | 455.541,63                                                                             |
| 2782802         | 04.05.2000   | -455.541,63                                                                            |
| 5200031807      | 30.09.2017   | 454.143,80                                                                             |
| 5200032365      | 01.10.2017   | -454.143,80                                                                            |
| 2773439         | 31.08.1999   | 453.738,61                                                                             |
| 2773446         | 03.09.1999   | -453.738,61                                                                            |
| 2780134         | 29.02.2000   | 453.101,86                                                                             |
| 2780141         | 03.03.2000   | -453.101,86                                                                            |
| 2771250         | 30.06.1999   | 451.822,25                                                                             |
| 2771257         | 05.07.1999   | -451.822,25                                                                            |
| 2743646         | 31.08.1997   | 451.327,19                                                                             |
| 2743653         | 03.09.1997   | -451.327,19                                                                            |
| 2746017         | 31.10.1997   | 450.502,83                                                                             |
| 2746024         | 05.11.1997   | -450.502,83                                                                            |
| 5000002311      | 31.12.2017   | 450.000,00                                                                             |
| 5000002232      | 31.12.2017   | -450.000,00                                                                            |
| 5200003135      | 30.06.2001   | 448.901,69                                                                             |
| 5200003172      | 01.07.2001   | -448.901,69                                                                            |
| 5000002311      | 31.12.2017   | 448.402,20                                                                             |
| 5200031881      | 30.11.2015   | 446.877,47                                                                             |
| 5200032284      | 01.12.2015   | -446.877,47                                                                            |
| 5200012333      | 31.05.2014   | 445.366,10                                                                             |
| 5200012780      | 01.06.2014   | -445.366,10                                                                            |
| 5000002311      | 31.12.2017   | -445.328,96                                                                            |
| 2738059         | 31.03.1997   | 444.981,77                                                                             |
| 2738066         | 03.04.1997   | -444.981,77                                                                            |
| 2706978         | 28.02.1995   | 444.960,28                                                                             |
| 2706999         | 07.03.1995   | -444.960,28                                                                            |
| 5000001817      | 30.11.2017   | 439.000,00                                                                             |
| 2706973         | 28.02.1995   | 438.591,33                                                                             |
| 2706994         | 07.03.1995   | -438.591,33                                                                            |
| 5200000761      | 01.01.2017   | -437.458,66                                                                            |
| 2756999         | 31.07.1998   | 436.051,12                                                                             |
| 2757006         | 05.08.1998   | -436.051,12                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2705208         | 31.12.1994   | 434.755,36                                                                             |
| 2705228         | 02.01.1995   | -434.755,36                                                                            |
| 5000002311      | 31.12.2017   | 427.984,00                                                                             |
| 2715385         | 30.11.1995   | 427.814,12                                                                             |
| 2715392         | 05.12.1995   | -427.814,12                                                                            |
| 2721613         | 30.04.1996   | 426.527,18                                                                             |
| 2721620         | 06.05.1996   | -426.527,18                                                                            |
| 5200012245      | 31.05.2014   | 423.447,29                                                                             |
| 5200012692      | 01.06.2014   | -423.447,29                                                                            |
| 2723832         | 30.06.1996   | 421.790,11                                                                             |
| 2723839         | 03.07.1996   | -421.790,11                                                                            |
| 5200001309      | 31.01.2014   | 421.371,46                                                                             |
| 5200001681      | 01.02.2014   | -421.371,46                                                                            |
| 5200028115      | 31.08.2017   | 420.740,72                                                                             |
| 5200028677      | 01.09.2017   | -420.740,72                                                                            |
| 2742538         | 31.07.1997   | 418.895,50                                                                             |
| 2742545         | 05.08.1997   | -418.895,50                                                                            |
| 5000002024      | 31.12.2017   | 418.435,00                                                                             |
| 5200042660      | 31.12.2017   | 416.755,91                                                                             |
| 2753350         | 30.04.1998   | 416.652,20                                                                             |
| 2753357         | 06.05.1998   | -416.652,20                                                                            |
| 2703061         | 31.01.2001   | 415.898,31                                                                             |
| 2703069         | 05.02.2001   | -415.898,31                                                                            |
| 5200033903      | 31.12.2015   | 414.934,11                                                                             |
| 5000001169      | 30.09.2016   | 414.622,00                                                                             |
| 5200010198      | 31.03.2013   | 414.501,75                                                                             |
| 5200010541      | 01.04.2013   | -414.501,75                                                                            |
| 2758179         | 31.08.1998   | 414.023,47                                                                             |
| 2758186         | 03.09.1998   | -414.023,47                                                                            |
| 5200029736      | 31.10.2016   | 413.659,49                                                                             |
| 5200030187      | 01.11.2016   | -413.659,49                                                                            |
| 5000002163      | 31.12.2017   | 412.000,00                                                                             |
| 5000001778      | 30.11.2017   | 411.000,00                                                                             |
| 5200028945      | 31.10.2015   | 410.286,89                                                                             |
| 5200029353      | 01.11.2015   | -410.286,89                                                                            |
| 5200005659      | 31.08.2001   | 409.246,39                                                                             |
| 5200005685      | 01.09.2001   | -409.246,39                                                                            |
| 2777064         | 30.11.1999   | 407.153,19                                                                             |
| 2777071         | 03.12.1999   | -407.153,19                                                                            |
| 2725116         | 31.07.1996   | 406.588,67                                                                             |
| 2725123         | 05.08.1996   | -406.588,67                                                                            |
| 5200028971      | 30.11.2014   | 406.208,60                                                                             |
| 5200029335      | 01.12.2014   | -406.208,60                                                                            |
| 5200006762      | 30.06.2003   | 404.020,82                                                                             |
| 5200006788      | 01.07.2003   | -404.020,82                                                                            |
| 2747241         | 30.11.1997   | 402.647,64                                                                             |
| 2747248         | 03.12.1997   | -402.647,64                                                                            |
| 2787429         | 31.08.2000   | 402.638,78                                                                             |
| 2787436         | 05.09.2000   | -402.638,78                                                                            |
| 2780137         | 29.02.2000   | 401.972,37                                                                             |
| 2780144         | 03.03.2000   | -401.972,37                                                                            |
| 2732315         | 31.01.1997   | 401.904,58                                                                             |
| 2732322         | 05.02.1997   | -401.904,58                                                                            |
| 5200000617      | 01.01.2016   | -400.868,55                                                                            |
| 5200029131      | 31.10.2015   | 400.234,59                                                                             |
| 5200029539      | 01.11.2015   | -400.234,59                                                                            |
| 5000002310      | 31.12.2017   | 400.000,00                                                                             |
| 5000002310      | 31.12.2017   | 400.000,00                                                                             |
| 5000002310      | 31.12.2017   | 400.000,00                                                                             |
| 5200010680      | 30.04.2016   | 399.617,80                                                                             |

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**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200011164      | 01.05.2016   | -399.617,80                                                                            |
| 5000002024      | 31.12.2017   | 398.809,00                                                                             |
| 5200004042      | 29.02.2012   | 397.098,97                                                                             |
| 5200004314      | 01.03.2012   | -397.098,97                                                                            |
| 5200013859      | 30.04.2017   | 395.756,15                                                                             |
| 5200014416      | 01.05.2017   | -395.756,15                                                                            |
| 5200032715      | 30.11.2016   | 395.474,27                                                                             |
| 5200033182      | 01.12.2016   | -395.474,27                                                                            |
| 5200029548      | 31.10.2016   | 394.060,31                                                                             |
| 5200029999      | 01.11.2016   | -394.060,31                                                                            |
| 5200034477      | 31.12.2016   | 391.837,14                                                                             |
| 5200000573      | 01.01.2017   | -391.837,14                                                                            |
| 5200021074      | 31.08.2014   | 391.577,47                                                                             |
| 5200021507      | 01.09.2014   | -391.577,47                                                                            |
| 5000002163      | 31.12.2017   | 391.400,00                                                                             |
| 5000002216      | 31.12.2017   | -391.400,00                                                                            |
| 5200030950      | 31.12.2012   | 391.213,76                                                                             |
| 5200000567      | 01.01.2013   | -391.213,76                                                                            |
| 2714365         | 01.11.1995   | 390.260,12                                                                             |
| 2714343         | 03.11.1995   | -390.260,12                                                                            |
| 5200006147      | 28.02.2017   | 389.972,18                                                                             |
| 5200006690      | 01.03.2017   | -389.972,18                                                                            |
| 5200026317      | 30.09.2015   | 384.359,26                                                                             |
| 5200026732      | 01.10.2015   | -384.359,26                                                                            |
| 2775768         | 31.10.1999   | 381.232,59                                                                             |
| 2775775         | 03.11.1999   | -381.232,59                                                                            |
| 5000002310      | 31.12.2017   | 380.655,42                                                                             |
| 5000001821      | 30.11.2017   | 380.000,00                                                                             |
| 5000002310      | 31.12.2017   | 380.000,00                                                                             |
| 5200032001      | 30.11.2015   | 378.412,93                                                                             |
| 5200032404      | 01.12.2015   | -378.412,93                                                                            |
| 5000002172      | 31.12.2017   | -378.000,00                                                                            |
| 5200023054      | 31.08.2015   | 374.651,11                                                                             |
| 5200023434      | 01.09.2015   | -374.651,11                                                                            |
| 5000002310      | 31.12.2017   | 371.483,43                                                                             |
| 5000002310      | 31.12.2017   | 371.483,43                                                                             |
| 2711527         | 31.07.1995   | 371.116,81                                                                             |
| 2711552         | 03.08.1995   | -371.116,81                                                                            |
| 5000002311      | 31.12.2017   | 370.301,36                                                                             |
| 2788555         | 30.09.2000   | 369.713,30                                                                             |
| 2788562         | 05.10.2000   | -369.713,30                                                                            |
| 5200023515      | 31.08.2016   | 369.446,98                                                                             |
| 5200023978      | 01.09.2016   | -369.446,98                                                                            |
| 5200031805      | 30.09.2017   | 369.379,52                                                                             |
| 5200032363      | 01.10.2017   | -369.379,52                                                                            |
| 5200005745      | 30.04.2002   | 368.458,25                                                                             |
| 5200005768      | 01.05.2002   | -368.458,25                                                                            |
| 5200032046      | 30.09.2017   | 368.055,14                                                                             |
| 5200032604      | 01.10.2017   | -368.055,14                                                                            |
| 5200001507      | 31.01.2014   | 367.564,84                                                                             |
| 5200001879      | 01.02.2014   | -367.564,84                                                                            |
| 5000002310      | 31.12.2017   | 365.222,47                                                                             |
| 2701893         | 31.12.2000   | 364.430,09                                                                             |
| 2701885         | 04.01.2001   | -364.430,09                                                                            |
| 5200034476      | 31.12.2016   | 361.032,40                                                                             |
| 5200000572      | 01.01.2017   | -361.032,40                                                                            |
| 5200001319      | 31.01.2014   | 360.902,37                                                                             |
| 5200001691      | 01.02.2014   | -360.902,37                                                                            |
| 5200026144      | 31.10.2014   | 360.790,04                                                                             |
| 5200026497      | 01.11.2014   | -360.790,04                                                                            |

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| 5200005910      | 28.02.2017   | 359.838,36                                                                             |
| 5200006453      | 01.03.2017   | -359.838,36                                                                            |
| 2739059         | 30.04.1997   | 359.528,93                                                                             |
| 2739066         | 06.05.1997   | -359.528,93                                                                            |
| 5200004253      | 28.02.2014   | 358.245,80                                                                             |
| 5200004654      | 01.03.2014   | -358.245,80                                                                            |
| 5200016623      | 30.06.2016   | 356.412,96                                                                             |
| 5200017084      | 01.07.2016   | -356.412,96                                                                            |
| 5200000621      | 01.01.2015   | -355.928,54                                                                            |
| 5200016819      | 30.06.2016   | 355.894,84                                                                             |
| 5200017280      | 01.07.2016   | -355.894,84                                                                            |
| 5200017879      | 31.05.2017   | 355.602,49                                                                             |
| 5200018440      | 01.06.2017   | -355.602,49                                                                            |
| 5200040331      | 30.11.2017   | 354.600,10                                                                             |
| 5200040881      | 01.12.2017   | -354.600,10                                                                            |
| 5200023877      | 31.08.2013   | 353.689,00                                                                             |
| 5200024230      | 01.09.2013   | -353.689,00                                                                            |
| 5200009307      | 31.03.2017   | 352.924,53                                                                             |
| 5200009846      | 01.04.2017   | -352.924,53                                                                            |
| 2744851         | 30.09.1997   | 352.870,27                                                                             |
| 2744858         | 06.10.1997   | -352.870,27                                                                            |
| 5200008346      | 31.03.2016   | 351.480,99                                                                             |
| 5200008835      | 01.04.2016   | -351.480,99                                                                            |
| 5200029042      | 31.10.2013   | 350.518,58                                                                             |
| 5200029384      | 01.11.2013   | -350.518,58                                                                            |
| 5200001727      | 31.05.2001   | 350.370,66                                                                             |
| 5200001754      | 01.06.2001   | -350.370,66                                                                            |
| 5200042642      | 31.12.2017   | 350.321,52                                                                             |
| 5200000026      | 30.04.2001   | 350.277,96                                                                             |
| 5200000053      | 01.05.2001   | -350.277,96                                                                            |
| 2762081         | 30.11.1998   | 349.801,02                                                                             |
| 2762088         | 03.12.1998   | -349.801,02                                                                            |
| 2748431         | 31.12.1997   | 349.053,26                                                                             |
| 2748438         | 05.01.1998   | -349.053,26                                                                            |
| 2778224         | 31.12.1999   | 348.658,30                                                                             |
| 2778231         | 05.01.2000   | -348.658,30                                                                            |
| 5200023320      | 31.08.2016   | 347.646,00                                                                             |
| 5200023783      | 01.09.2016   | -347.646,00                                                                            |
| 5000002311      | 31.12.2017   | 345.270,89                                                                             |
| 5200036266      | 30.11.2001   | 345.057,54                                                                             |
| 5200036292      | 01.12.2001   | -345.057,54                                                                            |
| 5200028359      | 31.08.2017   | 344.413,13                                                                             |
| 5200028921      | 01.09.2017   | -344.413,13                                                                            |
| 5200023518      | 30.09.2014   | 343.999,08                                                                             |
| 5200023843      | 01.10.2014   | -343.999,08                                                                            |
| 5200015173      | 30.06.2014   | 343.858,48                                                                             |
| 5200015603      | 01.07.2014   | -343.858,48                                                                            |
| 5200017443      | 31.07.2012   | 343.240,28                                                                             |
| 5200017729      | 01.08.2012   | -343.240,28                                                                            |
| 5000002310      | 31.12.2017   | 342.641,00                                                                             |
| 5200008931      | 31.08.2003   | 342.496,05                                                                             |
| 5200008957      | 01.09.2003   | -342.496,05                                                                            |
| 5200020942      | 31.08.2014   | 342.083,63                                                                             |
| 5200021375      | 01.09.2014   | -342.083,63                                                                            |
| 5000001822      | 30.11.2017   | 341.000,00                                                                             |
| 2752218         | 31.03.1998   | 339.486,22                                                                             |
| 2752226         | 03.04.1998   | -339.486,22                                                                            |
| 5200031757      | 30.11.2013   | 339.342,02                                                                             |
| 5200032113      | 01.12.2013   | -339.342,02                                                                            |
| 2729871         | 30.11.1996   | 338.387,13                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2729879         | 04.12.1996   | -338.387,13                                                                            |
| 5200028864      | 30.11.2014   | 336.482,20                                                                             |
| 5200029228      | 01.12.2014   | -336.482,20                                                                            |
| 5200013768      | 31.10.2001   | 335.904,83                                                                             |
| 5200013806      | 01.11.2001   | -335.904,83                                                                            |
| 5200024613      | 31.07.2017   | 335.284,17                                                                             |
| 5200025164      | 01.08.2017   | -335.284,17                                                                            |
| 5000002157      | 31.12.2017   | 335.000,00                                                                             |
| 5200003147      | 30.06.2001   | 334.866,74                                                                             |
| 5200003184      | 01.07.2001   | -334.866,74                                                                            |
| 2728658         | 31.10.1996   | 334.708,26                                                                             |
| 2728666         | 05.11.1996   | -334.708,26                                                                            |
| 5200035723      | 31.10.2017   | 333.901,99                                                                             |
| 5200036279      | 01.11.2017   | -333.901,99                                                                            |
| 5200017432      | 30.06.2015   | 333.820,35                                                                             |
| 5200017785      | 01.07.2015   | -333.820,35                                                                            |
| 5200023679      | 30.09.2014   | 332.319,88                                                                             |
| 5200024004      | 01.10.2014   | -332.319,88                                                                            |
| 2781746         | 31.03.2000   | 331.153,24                                                                             |
| 2781753         | 05.04.2000   | -331.153,24                                                                            |
| 5200035480      | 31.10.2017   | 330.547,44                                                                             |
| 5200036036      | 01.11.2017   | -330.547,44                                                                            |
| 5200020204      | 31.07.2015   | 330.121,52                                                                             |
| 5200020572      | 01.08.2015   | -330.121,52                                                                            |
| 5000002310      | 31.12.2017   | 327.507,00                                                                             |
| 5200028944      | 31.10.2015   | 326.220,51                                                                             |
| 5200029352      | 01.11.2015   | -326.220,51                                                                            |
| 5200021061      | 31.07.2013   | 325.963,90                                                                             |
| 5200021418      | 01.08.2013   | -325.963,90                                                                            |
| 5200018201      | 30.06.2013   | 325.448,84                                                                             |
| 5200018601      | 01.07.2013   | -325.448,84                                                                            |
| 2769781         | 31.05.1999   | 325.153,85                                                                             |
| 2769788         | 07.06.1999   | -325.153,85                                                                            |
| 5200033736      | 31.12.2015   | 324.048,65                                                                             |
| 5200000450      | 01.01.2016   | -324.048,65                                                                            |
| 2767405         | 31.03.1999   | 323.761,31                                                                             |
| 2767412         | 07.04.1999   | -323.761,31                                                                            |
| 5200002656      | 31.01.2017   | 322.893,17                                                                             |
| 5200003206      | 01.02.2017   | -322.893,17                                                                            |
| 5000002311      | 31.12.2017   | 320.000,00                                                                             |
| 2778935         | 31.01.2000   | 319.386,81                                                                             |
| 2778942         | 03.02.2000   | -319.386,81                                                                            |
| 2768386         | 30.04.1999   | 319.150,63                                                                             |
| 2768393         | 05.05.1999   | -319.150,63                                                                            |
| 5000002166      | 31.12.2017   | -315.000,00                                                                            |
| 5000002232      | 31.12.2017   | -314.000,00                                                                            |
| 5200010540      | 31.08.2002   | 313.250,38                                                                             |
| 5200010564      | 01.09.2002   | -313.250,38                                                                            |
| 5000002024      | 31.12.2017   | 312.730,00                                                                             |
| 5200031571      | 30.11.2013   | 311.962,44                                                                             |
| 5200031927      | 01.12.2013   | -311.962,44                                                                            |
| 5200009555      | 30.04.2014   | 311.117,59                                                                             |
| 5200009977      | 01.05.2014   | -311.117,59                                                                            |
| 5000002163      | 31.12.2017   | 310.337,01                                                                             |
| 5000002310      | 31.12.2017   | 310.000,00                                                                             |
| 5200018222      | 31.07.2014   | 309.855,73                                                                             |
| 5200018645      | 01.08.2014   | -309.855,73                                                                            |
| 5200000006      | 30.04.2001   | 309.684,11                                                                             |
| 5200000033      | 01.05.2001   | -309.684,11                                                                            |
| 2765992         | 28.02.1999   | 309.599,95                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2765999         | 03.03.1999   | -309.599,95                                                                            |
| 2749631         | 31.01.1998   | 306.585,89                                                                             |
| 2749638         | 04.02.1998   | -306.585,89                                                                            |
| 5000002311      | 31.12.2017   | 306.421,76                                                                             |
| 5000002310      | 31.12.2017   | 306.000,00                                                                             |
| 5200009642      | 30.04.2014   | 304.100,07                                                                             |
| 5200010064      | 01.05.2014   | -304.100,07                                                                            |
| 5000002163      | 31.12.2017   | 303.209,32                                                                             |
| 5000002172      | 31.12.2017   | -302.000,00                                                                            |
| 5200004029      | 28.02.2014   | 301.270,95                                                                             |
| 5200004430      | 01.03.2014   | -301.270,95                                                                            |
| 5200015276      | 30.06.2014   | 300.985,28                                                                             |
| 5200015706      | 01.07.2014   | -300.985,28                                                                            |
| 5000002163      | 31.12.2017   | 300.390,60                                                                             |
| 5000001778      | 30.11.2017   | 300.000,00                                                                             |
| 5000002163      | 31.12.2017   | 299.322,42                                                                             |
| 5000002216      | 31.12.2017   | -299.322,42                                                                            |
| 2730992         | 31.12.1996   | 298.587,67                                                                             |
| 2730999         | 06.01.1997   | -298.587,67                                                                            |
| 5200031806      | 30.09.2017   | 298.498,07                                                                             |
| 5200032364      | 01.10.2017   | -298.498,07                                                                            |
| 2738056         | 31.03.1997   | 297.951,21                                                                             |
| 2738063         | 03.04.1997   | -297.951,21                                                                            |
| 2708710         | 30.04.1995   | 295.866,85                                                                             |
| 2708732         | 04.05.1995   | -295.866,85                                                                            |
| 5200014355      | 31.05.2016   | 294.734,70                                                                             |
| 5200014830      | 01.06.2016   | -294.734,70                                                                            |
| 5200018353      | 31.07.2014   | 294.392,92                                                                             |
| 5200018776      | 01.08.2014   | -294.392,92                                                                            |
| 5000002311      | 31.12.2017   | 293.750,00                                                                             |
| 2767402         | 31.03.1999   | 291.960,22                                                                             |
| 2767409         | 07.04.1999   | -291.960,22                                                                            |
| 2743649         | 31.08.1997   | 291.924,63                                                                             |
| 2743656         | 03.09.1997   | -291.924,63                                                                            |
| 5200017632      | 31.05.2017   | 291.633,60                                                                             |
| 5200018193      | 01.06.2017   | -291.633,60                                                                            |
| 5000002216      | 31.12.2017   | -291.477,71                                                                            |
| 5200002993      | 31.01.2013   | 290.473,76                                                                             |
| 5200003335      | 01.02.2013   | -290.473,76                                                                            |
| 5000002131      | 31.12.2017   | 290.000,00                                                                             |
| 5200035479      | 31.10.2017   | 289.057,78                                                                             |
| 5200036035      | 01.11.2017   | -289.057,78                                                                            |
| 5200009556      | 30.04.2014   | 287.589,17                                                                             |
| 5200009978      | 01.05.2014   | -287.589,17                                                                            |
| 5000002311      | 31.12.2017   | 286.680,00                                                                             |
| 2759476         | 30.09.1998   | 286.178,48                                                                             |
| 2759483         | 05.10.1998   | -286.178,48                                                                            |
| 2730997         | 31.12.1996   | 284.427,20                                                                             |
| 2731004         | 06.01.1997   | -284.427,20                                                                            |
| 2781743         | 31.03.2000   | 284.305,24                                                                             |
| 2781750         | 05.04.2000   | -284.305,24                                                                            |
| 5000001565      | 31.12.2016   | 280.000,00                                                                             |
| 5000002310      | 31.12.2017   | 279.656,06                                                                             |
| 2740133         | 31.05.1997   | 279.499,06                                                                             |
| 2740141         | 04.06.1997   | -279.499,06                                                                            |
| 5200021355      | 30.06.2017   | 278.655,15                                                                             |
| 5200021913      | 01.07.2017   | -278.655,15                                                                            |
| 2709645         | 31.05.1995   | 278.184,66                                                                             |
| 2709667         | 06.06.1995   | -278.184,66                                                                            |
| 5200025842      | 31.10.2012   | 277.446,89                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026147      | 01.11.2012   | -277.446,89                                                                            |
| 5200026123      | 30.09.2015   | 277.226,81                                                                             |
| 5200026538      | 01.10.2015   | -277.226,81                                                                            |
| 5200028655      | 30.11.2012   | 277.225,80                                                                             |
| 5200028964      | 01.12.2012   | -277.225,80                                                                            |
| 5200033780      | 31.12.2013   | 276.346,30                                                                             |
| 5200000474      | 01.01.2014   | -276.346,30                                                                            |
| 5000002310      | 31.12.2017   | 275.523,38                                                                             |
| 5000001781      | 30.11.2017   | 275.000,00                                                                             |
| 5000002311      | 31.12.2017   | 275.000,00                                                                             |
| 5000001817      | 30.11.2017   | 273.000,00                                                                             |
| 5200006784      | 31.03.2014   | 271.616,38                                                                             |
| 5200007190      | 01.04.2014   | -271.616,38                                                                            |
| 5200003136      | 30.06.2001   | 270.398,32                                                                             |
| 5200003174      | 01.07.2001   | -270.398,32                                                                            |
| 5200006794      | 31.03.2014   | 270.285,22                                                                             |
| 5200007200      | 01.04.2014   | -270.285,22                                                                            |
| 5000002163      | 31.12.2017   | 270.275,00                                                                             |
| 5000002216      | 31.12.2017   | -270.275,00                                                                            |
| 5000001765      | 30.11.2017   | 270.000,00                                                                             |
| 2707994         | 31.03.1995   | 266.742,96                                                                             |
| 2707919         | 07.04.1995   | -266.742,96                                                                            |
| 5200040084      | 30.11.2017   | 266.410,52                                                                             |
| 5200040634      | 01.12.2017   | -266.410,52                                                                            |
| 5200028795      | 30.11.2014   | 265.326,57                                                                             |
| 5200029159      | 01.12.2014   | -265.326,57                                                                            |
| 2739056         | 30.04.1997   | 264.866,13                                                                             |
| 2739063         | 06.05.1997   | -264.866,13                                                                            |
| 5000002311      | 31.12.2017   | 264.630,00                                                                             |
| 5000002310      | 31.12.2017   | 263.328,35                                                                             |
| 5200012005      | 30.04.2015   | 262.188,57                                                                             |
| 5200012419      | 01.05.2015   | -262.188,57                                                                            |
| 5000000380      | 31.03.2014   | 261.263,00                                                                             |
| 5000001817      | 30.11.2017   | 261.000,00                                                                             |
| 5000002311      | 31.12.2017   | 261.000,00                                                                             |
| 2748434         | 31.12.1997   | 259.689,19                                                                             |
| 2748441         | 05.01.1998   | -259.689,19                                                                            |
| 2708010         | 31.03.1995   | 259.222,32                                                                             |
| 2707935         | 07.04.1995   | -259.222,32                                                                            |
| 2715382         | 30.11.1995   | 258.780,64                                                                             |
| 2715389         | 05.12.1995   | -258.780,64                                                                            |
| 5200009065      | 31.03.2017   | 258.215,16                                                                             |
| 5200009604      | 01.04.2017   | -258.215,16                                                                            |
| 5200026393      | 30.09.2013   | 257.760,20                                                                             |
| 5200026762      | 01.10.2013   | -257.760,20                                                                            |
| 2774681         | 30.09.1999   | 256.264,90                                                                             |
| 2774689         | 05.10.1999   | -256.264,90                                                                            |
| 5000002310      | 31.12.2017   | 256.000,00                                                                             |
| 5200015459      | 31.05.2013   | 255.304,23                                                                             |
| 5200015819      | 01.06.2013   | -255.304,23                                                                            |
| 5000002310      | 31.12.2017   | 255.000,00                                                                             |
| 5000002317      | 31.12.2017   | 255.000,00                                                                             |
| 5200036282      | 30.11.2001   | 254.968,07                                                                             |
| 5200036308      | 01.12.2001   | -254.968,07                                                                            |
| 5000002311      | 31.12.2017   | 254.627,10                                                                             |
| 5200007349      | 28.02.2013   | 254.382,59                                                                             |
| 5200007682      | 01.03.2013   | -254.382,59                                                                            |
| 5000001765      | 30.11.2017   | 254.000,00                                                                             |
| 5200042648      | 31.12.2017   | 253.850,71                                                                             |
| 5000002163      | 31.12.2017   | 253.750,00                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001732      | 31.05.2001   | 252.516,77                                                                             |
| 5200001759      | 01.06.2001   | -252.516,77                                                                            |
| 2759473         | 30.09.1998   | 251.809,49                                                                             |
| 2759480         | 05.10.1998   | -251.809,49                                                                            |
| 5000002311      | 31.12.2017   | 251.536,80                                                                             |
| 2758182         | 31.08.1998   | 251.514,74                                                                             |
| 2758189         | 03.09.1998   | -251.514,74                                                                            |
| 5000002311      | 31.12.2017   | 250.524,40                                                                             |
| 5200009329      | 31.07.2002   | 250.148,59                                                                             |
| 5200009353      | 01.08.2002   | -250.148,59                                                                            |
| 5000002137      | 31.12.2017   | 250.000,00                                                                             |
| 5000002310      | 31.12.2017   | 250.000,00                                                                             |
| 5000002311      | 31.12.2017   | 250.000,00                                                                             |
| 5200004677      | 30.04.2003   | 249.669,38                                                                             |
| 5200004705      | 01.05.2003   | -249.669,38                                                                            |
| 5200013611      | 30.04.2017   | 249.087,54                                                                             |
| 5200014168      | 01.05.2017   | -249.087,54                                                                            |
| 5200004395      | 28.02.2015   | 249.018,62                                                                             |
| 5200004826      | 01.03.2015   | -249.018,62                                                                            |
| 5000001441      | 30.09.2017   | 249.000,00                                                                             |
| 2741293         | 30.06.1997   | 248.564,28                                                                             |
| 2741300         | 03.07.1997   | -248.564,28                                                                            |
| 5200021343      | 30.06.2017   | 248.384,50                                                                             |
| 5200021901      | 01.07.2017   | -248.384,50                                                                            |
| 2775771         | 31.10.1999   | 247.691,20                                                                             |
| 2775778         | 03.11.1999   | -247.691,20                                                                            |
| 2778227         | 31.12.1999   | 247.678,10                                                                             |
| 2778234         | 05.01.2000   | -247.678,10                                                                            |
| 5200012884      | 30.04.2013   | 247.082,13                                                                             |
| 5200013235      | 01.05.2013   | -247.082,13                                                                            |
| 2720442         | 31.03.1996   | 245.982,19                                                                             |
| 2720449         | 04.04.1996   | -245.982,19                                                                            |
| 5200014690      | 30.06.2012   | 245.324,20                                                                             |
| 5200014980      | 01.07.2012   | -245.324,20                                                                            |
| 5200006971      | 31.05.2002   | 245.077,08                                                                             |
| 5200006985      | 01.06.2002   | -245.077,08                                                                            |
| 2710547         | 30.06.1995   | 243.438,83                                                                             |
| 2710569         | 05.07.1995   | -243.438,83                                                                            |
| 2727491         | 30.09.1996   | 240.326,92                                                                             |
| 2727498         | 04.10.1996   | -240.326,92                                                                            |
| 5000002167      | 31.12.2017   | -240.000,00                                                                            |
| 5200007598      | 30.06.2002   | 237.753,88                                                                             |
| 5200007621      | 01.07.2002   | -237.753,88                                                                            |
| 5200009076      | 31.03.2017   | 236.210,77                                                                             |
| 5200009615      | 01.04.2017   | -236.210,77                                                                            |
| 5200042399      | 31.12.2017   | 236.014,02                                                                             |
| 5200021354      | 30.06.2017   | 235.894,05                                                                             |
| 5200021912      | 01.07.2017   | -235.894,05                                                                            |
| 5200012465      | 31.05.2014   | 235.215,42                                                                             |
| 5200012912      | 01.06.2014   | -235.215,42                                                                            |
| 5000002163      | 31.12.2017   | 233.654,40                                                                             |
| 2716268         | 31.12.1995   | 233.445,84                                                                             |
| 2715917         | 31.12.1995   | 233.445,84                                                                             |
| 2716468         | 06.01.1996   | 233.445,84                                                                             |
| 2716460         | 31.12.1995   | -233.445,84                                                                            |
| 2715925         | 06.01.1996   | -233.445,84                                                                            |
| 2716276         | 06.01.1996   | -233.445,84                                                                            |
| 5200016615      | 30.06.2016   | 230.732,67                                                                             |
| 5200017076      | 01.07.2016   | -230.732,67                                                                            |
| 5000002163      | 31.12.2017   | 230.000,00                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002311      | 31.12.2017   | 230.000,00                                                                             |
| 5000002216      | 31.12.2017   | -230.000,00                                                                            |
| 5000002310      | 31.12.2017   | 229.973,00                                                                             |
| 5200026145      | 31.10.2014   | 229.726,46                                                                             |
| 5200026498      | 01.11.2014   | -229.726,46                                                                            |
| 5000002310      | 31.12.2017   | 228.783,33                                                                             |
| 5000002310      | 31.12.2017   | 228.689,73                                                                             |
| 5200020859      | 31.08.2014   | 228.688,81                                                                             |
| 5200021292      | 01.09.2014   | -228.688,81                                                                            |
| 5000002310      | 31.12.2017   | 228.004,39                                                                             |
| 5200028642      | 30.11.2012   | 227.976,21                                                                             |
| 5200028951      | 01.12.2012   | -227.976,21                                                                            |
| 5200001743      | 31.05.2001   | 227.686,49                                                                             |
| 5200001770      | 01.06.2001   | -227.686,49                                                                            |
| 2712464         | 31.08.1995   | 226.372,14                                                                             |
| 2712488         | 04.09.1995   | -226.372,14                                                                            |
| 5200007638      | 31.03.2015   | 226.077,43                                                                             |
| 5200008042      | 01.04.2015   | -226.077,43                                                                            |
| 5000002310      | 31.12.2017   | 225.000,00                                                                             |
| 5000002311      | 31.12.2017   | 225.000,00                                                                             |
| 5000002310      | 31.12.2017   | 224.658,00                                                                             |
| 5200026134      | 30.09.2015   | 224.279,51                                                                             |
| 5200026549      | 01.10.2015   | -224.279,51                                                                            |
| 5200018389      | 30.06.2013   | 223.028,48                                                                             |
| 5200018789      | 01.07.2013   | -223.028,48                                                                            |
| 5200028649      | 30.11.2012   | 221.814,18                                                                             |
| 5200028958      | 01.12.2012   | -221.814,18                                                                            |
| 5200010526      | 31.08.2002   | 220.152,76                                                                             |
| 5200010550      | 01.09.2002   | -220.152,76                                                                            |
| 5000002073      | 31.12.2017   | 220.000,00                                                                             |
| 5200020139      | 31.08.2012   | 219.319,11                                                                             |
| 5200020425      | 01.09.2012   | -219.319,11                                                                            |
| 5200026404      | 30.09.2013   | 218.683,29                                                                             |
| 5200026773      | 01.10.2013   | -218.683,29                                                                            |
| 5200005741      | 30.04.2002   | 218.512,42                                                                             |
| 5200005764      | 01.05.2002   | -218.512,42                                                                            |
| 5200012892      | 30.04.2013   | 218.493,21                                                                             |
| 5200013243      | 01.05.2013   | -218.493,21                                                                            |
| 5200012939      | 31.10.2002   | 218.088,57                                                                             |
| 5200012961      | 01.11.2002   | -218.088,57                                                                            |
| 5000002310      | 31.12.2017   | 216.980,00                                                                             |
| 2718831         | 29.02.1996   | 216.931,30                                                                             |
| 2718838         | 05.03.1996   | -216.931,30                                                                            |
| 5200032530      | 30.11.2016   | 215.104,12                                                                             |
| 5200032997      | 01.12.2016   | -215.104,12                                                                            |
| 5000001422      | 30.09.2017   | 215.000,00                                                                             |
| 2705194         | 31.12.1994   | 214.785,39                                                                             |
| 2705214         | 02.01.1995   | -214.785,39                                                                            |
| 5200023874      | 31.08.2013   | 213.564,27                                                                             |
| 5200024227      | 01.09.2013   | -213.564,27                                                                            |
| 5200036275      | 30.11.2001   | 213.300,14                                                                             |
| 5200036301      | 01.12.2001   | -213.300,14                                                                            |
| 5200014097      | 30.11.2002   | 213.090,32                                                                             |
| 5200014120      | 01.12.2002   | -213.090,32                                                                            |
| 5000001764      | 30.11.2017   | 212.000,00                                                                             |
| 5200007799      | 31.07.2003   | 211.795,83                                                                             |
| 5200007827      | 01.08.2003   | -211.795,83                                                                            |
| 2706961         | 28.02.1995   | 210.778,68                                                                             |
| 2706982         | 07.03.1995   | -210.778,68                                                                            |
| 5200014347      | 31.05.2016   | 210.580,93                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014822      | 01.06.2016   | -210.580,93                                                                            |
| 5200004027      | 28.02.2014   | 210.428,28                                                                             |
| 5200004428      | 01.03.2014   | -210.428,28                                                                            |
| 2714383         | 01.11.1995   | 210.271,73                                                                             |
| 2714361         | 03.11.1995   | -210.271,73                                                                            |
| 5200020862      | 31.08.2014   | 210.224,88                                                                             |
| 5200021295      | 01.09.2014   | -210.224,88                                                                            |
| 5000002311      | 31.12.2017   | 210.000,00                                                                             |
| 5200026133      | 30.09.2015   | 208.580,67                                                                             |
| 5200026548      | 01.10.2015   | -208.580,67                                                                            |
| 5000002310      | 31.12.2017   | 207.621,51                                                                             |
| 5200031891      | 30.11.2015   | 207.059,98                                                                             |
| 5200032294      | 01.12.2015   | -207.059,98                                                                            |
| 5200031134      | 31.12.2014   | 206.727,79                                                                             |
| 5200000461      | 01.01.2015   | -206.727,79                                                                            |
| 5200012232      | 31.05.2014   | 206.061,26                                                                             |
| 5200012679      | 01.06.2014   | -206.061,26                                                                            |
| 5200003185      | 28.02.2002   | 206.051,50                                                                             |
| 5200003213      | 01.03.2002   | -206.051,50                                                                            |
| 5200021060      | 31.07.2013   | 205.997,97                                                                             |
| 5200021417      | 01.08.2013   | -205.997,97                                                                            |
| 5000002317      | 31.12.2017   | 205.983,49                                                                             |
| 5000002310      | 31.12.2017   | 205.724,24                                                                             |
| 5200017644      | 31.05.2017   | 205.126,62                                                                             |
| 5200018205      | 01.06.2017   | -205.126,62                                                                            |
| 5000002232      | 31.12.2017   | -205.000,00                                                                            |
| 2727494         | 30.09.1996   | 204.977,18                                                                             |
| 2727501         | 04.10.1996   | -204.977,18                                                                            |
| 5200005899      | 28.02.2017   | 204.387,40                                                                             |
| 5200006442      | 01.03.2017   | -204.387,40                                                                            |
| 5000002311      | 31.12.2017   | 203.433,51                                                                             |
| 5200024373      | 31.07.2017   | 203.144,06                                                                             |
| 5200024922      | 01.08.2017   | -203.144,06                                                                            |
| 5200040072      | 30.11.2017   | 202.229,87                                                                             |
| 5200040622      | 01.12.2017   | -202.229,87                                                                            |
| 5200002097      | 31.01.2015   | 200.239,50                                                                             |
| 5200002521      | 01.02.2015   | -200.239,50                                                                            |
| 5000002311      | 31.12.2017   | 200.135,00                                                                             |
| 5000002310      | 31.12.2017   | 200.016,70                                                                             |
| 5000002310      | 31.12.2017   | 200.000,00                                                                             |
| 5000002310      | 31.12.2017   | 200.000,00                                                                             |
| 5000002317      | 31.12.2017   | 200.000,00                                                                             |
| 5000002310      | 31.12.2017   | 199.917,85                                                                             |
| 5200028954      | 31.10.2015   | 199.902,19                                                                             |
| 5200029362      | 01.11.2015   | -199.902,19                                                                            |
| 5000002310      | 31.12.2017   | 199.500,00                                                                             |
| 5000002310      | 31.12.2017   | 199.390,00                                                                             |
| 5200005724      | 30.04.2002   | 198.769,42                                                                             |
| 5200005747      | 01.05.2002   | -198.769,42                                                                            |
| 5000002163      | 31.12.2017   | 198.508,91                                                                             |
| 5200010670      | 30.04.2016   | 198.395,09                                                                             |
| 5200011154      | 01.05.2016   | -198.395,09                                                                            |
| 5200018200      | 30.06.2013   | 198.097,25                                                                             |
| 5200018600      | 01.07.2013   | -198.097,25                                                                            |
| 5200014702      | 31.05.2015   | 197.645,60                                                                             |
| 5200015093      | 01.06.2015   | -197.645,60                                                                            |
| 5200028114      | 31.08.2017   | 197.333,60                                                                             |
| 5200028676      | 01.09.2017   | -197.333,60                                                                            |
| 5000002311      | 31.12.2017   | 197.325,75                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2762083         | 30.11.1998   | 196.552,86                                                                             |
| 2762090         | 03.12.1998   | -196.552,86                                                                            |
| 5200023759      | 31.08.2013   | 196.079,94                                                                             |
| 5200024112      | 01.09.2013   | -196.079,94                                                                            |
| 5200002666      | 31.01.2017   | 195.667,92                                                                             |
| 5200003216      | 01.02.2017   | -195.667,92                                                                            |
| 5000002175      | 31.12.2017   | -195.000,00                                                                            |
| 5000002310      | 31.12.2017   | 194.543,65                                                                             |
| 5200031196      | 31.12.2014   | 194.156,07                                                                             |
| 5200000523      | 01.01.2015   | -194.156,07                                                                            |
| 2708692         | 30.04.1995   | 194.109,67                                                                             |
| 2708714         | 04.05.1995   | -194.109,67                                                                            |
| 5200006962      | 31.05.2002   | 193.799,80                                                                             |
| 5200006976      | 01.06.2002   | -193.799,80                                                                            |
| 5200010263      | 30.09.2003   | 193.752,25                                                                             |
| 5200010289      | 01.10.2003   | -193.752,25                                                                            |
| 5200009330      | 31.07.2002   | 193.482,95                                                                             |
| 5200009354      | 01.08.2002   | -193.482,95                                                                            |
| 5200010527      | 31.08.2002   | 192.309,18                                                                             |
| 5200010551      | 01.09.2002   | -192.309,18                                                                            |
| 5200004099      | 29.02.2012   | 191.671,15                                                                             |
| 5200004371      | 01.03.2012   | -191.671,15                                                                            |
| 5000002311      | 31.12.2017   | 191.580,00                                                                             |
| 5200011784      | 31.10.2003   | 191.545,21                                                                             |
| 5200011808      | 01.11.2003   | -191.545,21                                                                            |
| 5200010197      | 31.03.2013   | 191.408,80                                                                             |
| 5200010540      | 01.04.2013   | -191.408,80                                                                            |
| 2744854         | 30.09.1997   | 191.224,34                                                                             |
| 2744861         | 06.10.1997   | -191.224,34                                                                            |
| 5200028955      | 31.10.2015   | 190.714,47                                                                             |
| 5200029363      | 01.11.2015   | -190.714,47                                                                            |
| 2712475         | 31.08.1995   | 190.690,96                                                                             |
| 2712499         | 04.09.1995   | -190.690,96                                                                            |
| 5000002163      | 31.12.2017   | 190.671,68                                                                             |
| 5000002216      | 31.12.2017   | -190.671,68                                                                            |
| 5200017424      | 30.06.2015   | 190.425,71                                                                             |
| 5200017777      | 01.07.2015   | -190.425,71                                                                            |
| 5200014289      | 31.12.2003   | 190.417,41                                                                             |
| 5200000385      | 01.01.2004   | -190.417,41                                                                            |
| 5200032531      | 30.11.2016   | 190.226,74                                                                             |
| 5200032998      | 01.12.2016   | -190.226,74                                                                            |
| 5200006679      | 31.03.2012   | 190.084,25                                                                             |
| 5200006976      | 01.04.2012   | -190.084,25                                                                            |
| 5200011777      | 31.10.2003   | 190.059,01                                                                             |
| 5200013180      | 30.11.2003   | 190.059,01                                                                             |
| 5200011801      | 01.11.2003   | -190.059,01                                                                            |
| 5200013203      | 01.12.2003   | -190.059,01                                                                            |
| 5200001318      | 31.01.2014   | 189.942,62                                                                             |
| 5200001690      | 01.02.2014   | -189.942,62                                                                            |
| 5200032532      | 30.11.2016   | 189.244,04                                                                             |
| 5200032999      | 01.12.2016   | -189.244,04                                                                            |
| 5200009029      | 30.04.2012   | 188.671,28                                                                             |
| 5200009307      | 01.05.2012   | -188.671,28                                                                            |
| 5200009064      | 31.03.2017   | 188.244,59                                                                             |
| 5200009603      | 01.04.2017   | -188.244,59                                                                            |
| 5000002163      | 31.12.2017   | 188.181,00                                                                             |
| 5000002216      | 31.12.2017   | -188.181,00                                                                            |
| 5000002311      | 31.12.2017   | 188.160,00                                                                             |
| 2713386         | 30.09.1995   | 188.101,13                                                                             |
| 2713412         | 05.10.1995   | -188.101,13                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002310      | 31.12.2017   | 187.828,70                                                                             |
| 5200020159      | 31.12.2011   | 187.506,18                                                                             |
| 5200000632      | 01.01.2012   | -187.506,18                                                                            |
| 5000002310      | 31.12.2017   | 186.600,00                                                                             |
| 5200017434      | 30.06.2015   | 185.404,33                                                                             |
| 5200017787      | 01.07.2015   | -185.404,33                                                                            |
| 5000001763      | 30.11.2017   | 185.000,00                                                                             |
| 5000002310      | 31.12.2017   | 185.000,00                                                                             |
| 5000000824      | 30.06.2014   | -184.968,00                                                                            |
| 5200011719      | 30.09.2002   | 184.610,21                                                                             |
| 5200011742      | 01.10.2002   | -184.610,21                                                                            |
| 5200012234      | 31.05.2014   | 184.508,34                                                                             |
| 5200012681      | 01.06.2014   | -184.508,34                                                                            |
| 5200029222      | 31.10.2013   | 184.368,47                                                                             |
| 5200029564      | 01.11.2013   | -184.368,47                                                                            |
| 5000002311      | 31.12.2017   | 184.216,83                                                                             |
| 5000001781      | 30.11.2017   | 184.000,00                                                                             |
| 5200013622      | 30.04.2017   | 183.727,44                                                                             |
| 5200014179      | 01.05.2017   | -183.727,44                                                                            |
| 5200026314      | 31.10.2014   | 183.481,52                                                                             |
| 5200026667      | 01.11.2014   | -183.481,52                                                                            |
| 5000001778      | 30.11.2017   | 183.000,00                                                                             |
| 5000000536      | 09.05.2016   | 182.400,00                                                                             |
| 2728654         | 31.10.1996   | 182.066,05                                                                             |
| 2728662         | 05.11.1996   | -182.066,05                                                                            |
| 5000001817      | 30.11.2017   | 181.000,00                                                                             |
| 5200031803      | 30.09.2017   | 180.913,48                                                                             |
| 5200032361      | 01.10.2017   | -180.913,48                                                                            |
| 5200028111      | 31.08.2017   | 180.910,08                                                                             |
| 5200028673      | 01.09.2017   | -180.910,08                                                                            |
| 5200029050      | 31.10.2013   | 180.563,02                                                                             |
| 5200029392      | 01.11.2013   | -180.563,02                                                                            |
| 5200011811      | 30.04.2015   | 180.453,34                                                                             |
| 5200012225      | 01.05.2015   | -180.453,34                                                                            |
| 5200009786      | 30.04.2014   | 180.351,54                                                                             |
| 5200010208      | 01.05.2014   | -180.351,54                                                                            |
| 5200013749      | 31.10.2001   | 180.260,84                                                                             |
| 5200013787      | 01.11.2001   | -180.260,84                                                                            |
| 5200042398      | 31.12.2017   | 180.141,73                                                                             |
| 5200035474      | 31.10.2017   | 179.193,48                                                                             |
| 5200036030      | 01.11.2017   | -179.193,48                                                                            |
| 5200013186      | 30.11.2003   | 179.166,92                                                                             |
| 5200013209      | 01.12.2003   | -179.166,92                                                                            |
| 5200011809      | 30.04.2015   | 178.794,00                                                                             |
| 5200012223      | 01.05.2015   | -178.794,00                                                                            |
| 2726352         | 31.08.1996   | 178.631,72                                                                             |
| 2726359         | 04.09.1996   | -178.631,72                                                                            |
| 5200031294      | 31.12.2014   | 178.591,88                                                                             |
| 5200015654      | 31.05.2013   | 178.535,43                                                                             |
| 5200016014      | 01.06.2013   | -178.535,43                                                                            |
| 5200002980      | 31.01.2013   | 178.194,19                                                                             |
| 5200003322      | 01.02.2013   | -178.194,19                                                                            |
| 5200020352      | 31.07.2016   | 178.119,20                                                                             |
| 5200020822      | 01.08.2016   | -178.119,20                                                                            |
| 5200003067      | 31.01.2013   | 177.808,02                                                                             |
| 5200003409      | 01.02.2013   | -177.808,02                                                                            |
| 5200000025      | 30.04.2001   | 176.896,41                                                                             |
| 5200000052      | 01.05.2001   | -176.896,41                                                                            |
| 5200003195      | 28.02.2002   | 176.814,24                                                                             |
| 5200003223      | 01.03.2002   | -176.814,24                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006963      | 31.05.2002   | 176.355,44                                                                             |
| 5200006977      | 01.06.2002   | -176.355,44                                                                            |
| 5000002311      | 31.12.2017   | 175.957,00                                                                             |
| 5000001764      | 30.11.2017   | 175.000,00                                                                             |
| 5000002163      | 31.12.2017   | 175.000,00                                                                             |
| 5000002311      | 31.12.2017   | 175.000,00                                                                             |
| 5000002310      | 31.12.2017   | 174.400,00                                                                             |
| 5200035468      | 31.10.2017   | 173.904,45                                                                             |
| 5200036024      | 01.11.2017   | -173.904,45                                                                            |
| 5000002311      | 31.12.2017   | 173.650,00                                                                             |
| 2768389         | 30.04.1999   | 173.621,93                                                                             |
| 2768396         | 05.05.1999   | -173.621,93                                                                            |
| 5200021202      | 31.07.2013   | 173.293,70                                                                             |
| 5200021559      | 01.08.2013   | -173.293,70                                                                            |
| 5200022161      | 30.09.2012   | 173.137,51                                                                             |
| 5200022455      | 01.10.2012   | -173.137,51                                                                            |
| 5200042661      | 31.12.2017   | 172.559,10                                                                             |
| 5200010369      | 31.03.2013   | 172.410,03                                                                             |
| 5200010712      | 01.04.2013   | -172.410,03                                                                            |
| 5200031578      | 30.11.2013   | 171.654,12                                                                             |
| 5200031934      | 01.12.2013   | -171.654,12                                                                            |
| 5200031577      | 30.11.2013   | 171.613,11                                                                             |
| 5200031933      | 01.12.2013   | -171.613,11                                                                            |
| 5000002310      | 31.12.2017   | 171.611,00                                                                             |
| 5200004463      | 28.02.2015   | 171.354,54                                                                             |
| 5200004894      | 01.03.2015   | -171.354,54                                                                            |
| 5200023321      | 31.08.2016   | 170.920,86                                                                             |
| 5200023784      | 01.09.2016   | -170.920,86                                                                            |
| 5200042387      | 31.12.2017   | 170.659,94                                                                             |
| 5000002310      | 31.12.2017   | 170.190,20                                                                             |
| 5000002310      | 31.12.2017   | 170.100,00                                                                             |
| 5000002311      | 31.12.2017   | 170.000,00                                                                             |
| 5000002311      | 31.12.2017   | 170.000,00                                                                             |
| 5200010372      | 31.03.2013   | 168.014,11                                                                             |
| 5200010715      | 01.04.2013   | -168.014,11                                                                            |
| 5200015428      | 30.06.2014   | 167.892,02                                                                             |
| 5200015858      | 01.07.2014   | -167.892,02                                                                            |
| 5200024361      | 31.07.2017   | 166.962,76                                                                             |
| 5200024910      | 01.08.2017   | -166.962,76                                                                            |
| 2716264         | 31.12.1995   | 166.557,77                                                                             |
| 2715913         | 31.12.1995   | 166.557,77                                                                             |
| 2716464         | 06.01.1996   | 166.557,77                                                                             |
| 2716456         | 31.12.1995   | -166.557,77                                                                            |
| 2715921         | 06.01.1996   | -166.557,77                                                                            |
| 2716272         | 06.01.1996   | -166.557,77                                                                            |
| 5200002982      | 31.01.2013   | 166.402,02                                                                             |
| 5200003324      | 01.02.2013   | -166.402,02                                                                            |
| 5200031086      | 31.12.2012   | 166.293,76                                                                             |
| 5200000703      | 01.01.2013   | -166.293,76                                                                            |
| 5200031024      | 31.12.2012   | 165.576,84                                                                             |
| 5200000641      | 01.01.2013   | -165.576,84                                                                            |
| 5200012977      | 30.04.2013   | 165.104,32                                                                             |
| 5200013328      | 01.05.2013   | -165.104,32                                                                            |
| 5000002310      | 31.12.2017   | 165.000,00                                                                             |
| 2714376         | 01.11.1995   | 164.766,22                                                                             |
| 2714354         | 03.11.1995   | -164.766,22                                                                            |
| 5000002310      | 31.12.2017   | 163.868,00                                                                             |
| 2764649         | 31.01.1999   | 163.499,21                                                                             |
| 2764656         | 03.02.1999   | -163.499,21                                                                            |
| 5200014357      | 31.05.2016   | 163.432,00                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014832      | 01.06.2016   | -163.432,00                                                                            |
| 5200007427      | 28.02.2013   | 162.641,04                                                                             |
| 5200007760      | 01.03.2013   | -162.641,04                                                                            |
| 5200004397      | 28.02.2015   | 162.578,70                                                                             |
| 5200004828      | 01.03.2015   | -162.578,70                                                                            |
| 2716262         | 31.12.1995   | 161.947,41                                                                             |
| 2715911         | 31.12.1995   | 161.947,41                                                                             |
| 2716462         | 06.01.1996   | 161.947,41                                                                             |
| 2716454         | 31.12.1995   | -161.947,41                                                                            |
| 2715919         | 06.01.1996   | -161.947,41                                                                            |
| 2716270         | 06.01.1996   | -161.947,41                                                                            |
| 5200007514      | 28.02.2013   | 161.474,97                                                                             |
| 5200007847      | 01.03.2013   | -161.474,97                                                                            |
| 5200023671      | 31.08.2013   | 161.214,64                                                                             |
| 5200024024      | 01.09.2013   | -161.214,64                                                                            |
| 5200006609      | 31.03.2012   | 160.856,07                                                                             |
| 5200006906      | 01.04.2012   | -160.856,07                                                                            |
| 5200005648      | 31.08.2001   | 160.822,93                                                                             |
| 5200005674      | 01.09.2001   | -160.822,93                                                                            |
| 5000002163      | 31.12.2017   | 160.706,50                                                                             |
| 5000002216      | 31.12.2017   | -160.706,50                                                                            |
| 5200026124      | 30.09.2015   | 160.410,83                                                                             |
| 5200026539      | 01.10.2015   | -160.410,83                                                                            |
| 5200001411      | 31.01.2002   | 160.365,13                                                                             |
| 5200001444      | 01.02.2002   | -160.365,13                                                                            |
| 5200010678      | 30.04.2016   | 160.185,60                                                                             |
| 5200011162      | 01.05.2016   | -160.185,60                                                                            |
| 5000002157      | 31.12.2017   | 160.000,00                                                                             |
| 5000002232      | 31.12.2017   | -160.000,00                                                                            |
| 5200022890      | 31.08.2015   | 159.841,31                                                                             |
| 5200023270      | 01.09.2015   | -159.841,31                                                                            |
| 5200002104      | 31.01.2015   | 159.760,78                                                                             |
| 5200002528      | 01.02.2015   | -159.760,78                                                                            |
| 5200005641      | 31.08.2001   | 158.986,84                                                                             |
| 5200005667      | 01.09.2001   | -158.986,84                                                                            |
| 5200001405      | 31.01.2002   | 158.888,44                                                                             |
| 5200001439      | 01.02.2002   | -158.888,44                                                                            |
| 5200009544      | 30.04.2014   | 157.870,50                                                                             |
| 5200009966      | 01.05.2014   | -157.870,50                                                                            |
| 5200007339      | 28.02.2013   | 156.923,80                                                                             |
| 5200007672      | 01.03.2013   | -156.923,80                                                                            |
| 5200004492      | 31.03.2002   | 156.847,93                                                                             |
| 5200004513      | 01.04.2002   | -156.847,93                                                                            |
| 5200018286      | 30.06.2013   | 156.607,61                                                                             |
| 5200018686      | 01.07.2013   | -156.607,61                                                                            |
| 5200010279      | 31.03.2013   | 156.573,56                                                                             |
| 5200015553      | 31.05.2013   | 156.573,56                                                                             |
| 5200010622      | 01.04.2013   | -156.573,56                                                                            |
| 5200015913      | 01.06.2013   | -156.573,56                                                                            |
| 5200014696      | 30.06.2012   | 156.500,98                                                                             |
| 5200014986      | 01.07.2012   | -156.500,98                                                                            |
| 5200017643      | 31.05.2017   | 156.438,40                                                                             |
| 5200018204      | 01.06.2017   | -156.438,40                                                                            |
| 5200030953      | 31.12.2012   | 155.450,24                                                                             |
| 5200000570      | 01.01.2013   | -155.450,24                                                                            |
| 5200007811      | 31.07.2003   | 155.063,31                                                                             |
| 5200007839      | 01.08.2003   | -155.063,31                                                                            |
| 5200022891      | 31.08.2015   | 154.808,48                                                                             |
| 5200023271      | 01.09.2015   | -154.808,48                                                                            |
| 5200023322      | 31.08.2016   | 154.656,61                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023785      | 01.09.2016   | -154.656,61                                                                            |
| 2705196         | 31.12.1994   | 154.286,20                                                                             |
| 2705216         | 02.01.1995   | -154.286,20                                                                            |
| 5000002163      | 31.12.2017   | 154.000,00                                                                             |
| 5200007338      | 28.02.2013   | 153.707,47                                                                             |
| 5200007671      | 01.03.2013   | -153.707,47                                                                            |
| 5200007336      | 28.02.2013   | 153.608,97                                                                             |
| 5200007669      | 01.03.2013   | -153.608,97                                                                            |
| 5200003178      | 28.02.2002   | 153.589,88                                                                             |
| 5200003206      | 01.03.2002   | -153.589,88                                                                            |
| 2720439         | 31.03.1996   | 153.254,35                                                                             |
| 2720446         | 04.04.1996   | -153.254,35                                                                            |
| 5000002310      | 31.12.2017   | 153.135,49                                                                             |
| 5200017426      | 30.06.2015   | 152.788,46                                                                             |
| 5200017779      | 01.07.2015   | -152.788,46                                                                            |
| 5200008356      | 31.03.2016   | 151.441,89                                                                             |
| 5200008845      | 01.04.2016   | -151.441,89                                                                            |
| 5000002311      | 31.12.2017   | 151.207,60                                                                             |
| 5000002310      | 31.12.2017   | 151.097,75                                                                             |
| 5000002310      | 31.12.2017   | 151.014,27                                                                             |
| 5000002173      | 31.12.2017   | -151.000,00                                                                            |
| 5200013745      | 31.10.2001   | 150.840,26                                                                             |
| 5200013783      | 01.11.2001   | -150.840,26                                                                            |
| 5000002311      | 31.12.2017   | 150.262,96                                                                             |
| 5000001445      | 30.09.2017   | 150.000,00                                                                             |
| 5000002157      | 31.12.2017   | 150.000,00                                                                             |
| 5000002310      | 31.12.2017   | 150.000,00                                                                             |
| 5000002310      | 31.12.2017   | 150.000,00                                                                             |
| 5000002310      | 31.12.2017   | 150.000,00                                                                             |
| 5200006543      | 31.03.2012   | 149.778,21                                                                             |
| 5200006840      | 01.04.2012   | -149.778,21                                                                            |
| 5000002310      | 31.12.2017   | 149.462,87                                                                             |
| 5200031648      | 30.11.2013   | 149.242,88                                                                             |
| 5200032004      | 01.12.2013   | -149.242,88                                                                            |
| 5000002163      | 31.12.2017   | 148.881,69                                                                             |
| 5200008942      | 31.08.2003   | 148.637,02                                                                             |
| 5200008968      | 01.09.2003   | -148.637,02                                                                            |
| 5200007599      | 30.06.2002   | 148.589,62                                                                             |
| 5200007622      | 01.07.2002   | -148.589,62                                                                            |
| 5200013765      | 31.10.2001   | 147.946,33                                                                             |
| 5200013803      | 01.11.2001   | -147.946,33                                                                            |
| 5000002163      | 31.12.2017   | 147.840,00                                                                             |
| 5200010199      | 31.03.2013   | 147.745,14                                                                             |
| 5200010542      | 01.04.2013   | -147.745,14                                                                            |
| 2763334         | 31.12.1998   | 147.243,58                                                                             |
| 2763341         | 06.01.1999   | -147.243,58                                                                            |
| 5200009554      | 30.04.2014   | 147.049,52                                                                             |
| 5200009976      | 01.05.2014   | -147.049,52                                                                            |
| 5000002024      | 31.12.2017   | 146.696,00                                                                             |
| 5000002310      | 31.12.2017   | 146.670,00                                                                             |
| 5200030952      | 31.12.2012   | 146.435,48                                                                             |
| 5200000569      | 01.01.2013   | -146.435,48                                                                            |
| 2705990         | 31.01.1995   | 146.129,03                                                                             |
| 2706004         | 07.02.1995   | -146.129,03                                                                            |
| 5200021258      | 31.07.2013   | 145.926,96                                                                             |
| 5200021615      | 01.08.2013   | -145.926,96                                                                            |
| 5200008943      | 31.08.2003   | 145.917,95                                                                             |
| 5200008969      | 01.09.2003   | -145.917,95                                                                            |
| 5200031133      | 31.12.2014   | 145.591,01                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000460      | 01.01.2015   | -145.591,01                                                                            |
| 5000002163      | 31.12.2017   | 145.428,00                                                                             |
| 5200010187      | 31.03.2013   | 145.053,47                                                                             |
| 5200010530      | 01.04.2013   | -145.053,47                                                                            |
| 5200012940      | 31.10.2002   | 144.280,93                                                                             |
| 5200012962      | 01.11.2002   | -144.280,93                                                                            |
| 5200028583      | 30.11.2012   | 143.406,26                                                                             |
| 5200028892      | 01.12.2012   | -143.406,26                                                                            |
| 5000002311      | 31.12.2017   | 143.173,40                                                                             |
| 5200015657      | 31.05.2013   | 142.472,08                                                                             |
| 5200016017      | 01.06.2013   | -142.472,08                                                                            |
| 5200005655      | 31.08.2001   | 142.009,53                                                                             |
| 5200005681      | 01.09.2001   | -142.009,53                                                                            |
| 5000002310      | 31.12.2017   | 141.915,02                                                                             |
| 5000002310      | 31.12.2017   | 141.915,02                                                                             |
| 5200005909      | 28.02.2017   | 141.855,69                                                                             |
| 5200006452      | 01.03.2017   | -141.855,69                                                                            |
| 5200028721      | 30.11.2012   | 141.494,50                                                                             |
| 5200029030      | 01.12.2012   | -141.494,50                                                                            |
| 5200022889      | 31.08.2015   | 141.310,40                                                                             |
| 5200023269      | 01.09.2015   | -141.310,40                                                                            |
| 5200001404      | 31.01.2002   | 140.855,61                                                                             |
| 5200001438      | 01.02.2002   | -140.855,61                                                                            |
| 5000002024      | 31.12.2017   | 140.360,00                                                                             |
| 2840404         | 31.07.1995   | 140.318,53                                                                             |
| 2840405         | 01.08.1995   | -140.318,53                                                                            |
| 5000002310      | 31.12.2017   | 140.019,00                                                                             |
| 5000002310      | 31.12.2017   | 140.003,34                                                                             |
| 5000002317      | 31.12.2017   | 140.000,00                                                                             |
| 5200028573      | 30.11.2012   | 139.834,39                                                                             |
| 5200028882      | 01.12.2012   | -139.834,39                                                                            |
| 2718101         | 31.01.1996   | 139.679,59                                                                             |
| 2718108         | 05.02.1996   | -139.679,59                                                                            |
| 5200015183      | 30.06.2014   | 139.361,71                                                                             |
| 5200015613      | 01.07.2014   | -139.361,71                                                                            |
| 5200000017      | 30.04.2001   | 139.115,34                                                                             |
| 5200000044      | 01.05.2001   | -139.115,34                                                                            |
| 5200028956      | 31.10.2015   | 138.413,90                                                                             |
| 5200029364      | 01.11.2015   | -138.413,90                                                                            |
| 5200007019      | 31.03.2014   | 138.327,70                                                                             |
| 5200007425      | 01.04.2014   | -138.327,70                                                                            |
| 5200014098      | 30.11.2002   | 138.256,34                                                                             |
| 5200014121      | 01.12.2002   | -138.256,34                                                                            |
| 2722723         | 31.05.1996   | 137.629,15                                                                             |
| 2722730         | 05.06.1996   | -137.629,15                                                                            |
| 5200036269      | 30.11.2001   | 137.551,11                                                                             |
| 5200036295      | 01.12.2001   | -137.551,11                                                                            |
| 5200002305      | 31.01.2012   | 137.082,58                                                                             |
| 5200002548      | 01.02.2012   | -137.082,58                                                                            |
| 5000002310      | 31.12.2017   | 137.061,60                                                                             |
| 5200012024      | 31.05.2012   | 136.813,62                                                                             |
| 5200012298      | 01.06.2012   | -136.813,62                                                                            |
| 5200020296      | 31.07.2015   | 136.738,77                                                                             |
| 5200020664      | 01.08.2015   | -136.738,77                                                                            |
| 5000001565      | 31.12.2016   | 136.500,00                                                                             |
| 5000002163      | 31.12.2017   | 136.240,54                                                                             |
| 5000001989      | 31.12.2017   | 136.240,00                                                                             |
| 5200012083      | 31.05.2012   | 136.053,67                                                                             |
| 5200012357      | 01.06.2012   | -136.053,67                                                                            |
| 5200004252      | 31.07.2001   | 136.002,21                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004279      | 01.08.2001   | -136.002,21                                                                            |
| 5200011804      | 30.04.2015   | 135.565,21                                                                             |
| 5200012218      | 01.05.2015   | -135.565,21                                                                            |
| 5200033932      | 31.12.2013   | 135.060,17                                                                             |
| 5200000626      | 01.01.2014   | -135.060,17                                                                            |
| 5200031890      | 30.11.2015   | 134.961,42                                                                             |
| 5200032293      | 01.12.2015   | -134.961,42                                                                            |
| 2718834         | 29.02.1996   | 134.087,62                                                                             |
| 2718841         | 05.03.1996   | -134.087,62                                                                            |
| 5000002163      | 31.12.2017   | 134.000,00                                                                             |
| 5000002216      | 31.12.2017   | -134.000,00                                                                            |
| 5200002166      | 31.01.2015   | 133.257,14                                                                             |
| 5200002590      | 01.02.2015   | -133.257,14                                                                            |
| 5200010543      | 31.08.2002   | 133.219,11                                                                             |
| 5200010567      | 01.09.2002   | -133.219,11                                                                            |
| 5200009542      | 30.04.2014   | 133.205,76                                                                             |
| 5200009964      | 01.05.2014   | -133.205,76                                                                            |
| 5000002232      | 31.12.2017   | -133.000,00                                                                            |
| 5200007794      | 31.07.2003   | 132.669,54                                                                             |
| 5200007822      | 01.08.2003   | -132.669,54                                                                            |
| 5200026694      | 30.09.2016   | 132.542,46                                                                             |
| 5200027150      | 01.10.2016   | -132.542,46                                                                            |
| 5200011810      | 30.04.2015   | 132.194,20                                                                             |
| 5200012224      | 01.05.2015   | -132.194,20                                                                            |
| 5200008969      | 30.04.2012   | 131.855,75                                                                             |
| 5200009247      | 01.05.2012   | -131.855,75                                                                            |
| 5200014882      | 31.05.2015   | 131.732,41                                                                             |
| 5200015273      | 01.06.2015   | -131.732,41                                                                            |
| 5200004506      | 31.03.2002   | 131.638,66                                                                             |
| 5200004527      | 01.04.2002   | -131.638,66                                                                            |
| 5200040333      | 30.11.2017   | 131.577,02                                                                             |
| 5200040883      | 01.12.2017   | -131.577,02                                                                            |
| 5200025831      | 31.10.2012   | 131.566,83                                                                             |
| 5200026136      | 01.11.2012   | -131.566,83                                                                            |
| 5200013073      | 30.04.2013   | 131.555,51                                                                             |
| 5200013424      | 01.05.2013   | -131.555,51                                                                            |
| 5200007348      | 28.02.2013   | 131.268,52                                                                             |
| 5200007681      | 01.03.2013   | -131.268,52                                                                            |
| 5200011771      | 31.10.2003   | 131.010,99                                                                             |
| 5200011795      | 01.11.2003   | -131.010,99                                                                            |
| 5200012007      | 30.04.2015   | 130.809,33                                                                             |
| 5200012421      | 01.05.2015   | -130.809,33                                                                            |
| 5000002310      | 31.12.2017   | 130.800,00                                                                             |
| 5000002310      | 31.12.2017   | 130.800,00                                                                             |
| 5200028103      | 31.08.2017   | 130.024,84                                                                             |
| 5200028665      | 01.09.2017   | -130.024,84                                                                            |
| 5000002310      | 31.12.2017   | 130.000,00                                                                             |
| 5000002310      | 31.12.2017   | 130.000,00                                                                             |
| 5000002167      | 31.12.2017   | -130.000,00                                                                            |
| 5200001728      | 31.05.2001   | 129.164,48                                                                             |
| 5200001755      | 01.06.2001   | -129.164,48                                                                            |
| 5000002164      | 31.12.2017   | 129.023,55                                                                             |
| 5000002163      | 31.12.2017   | 128.849,00                                                                             |
| 5200031892      | 30.11.2015   | 128.297,95                                                                             |
| 5200032295      | 01.12.2015   | -128.297,95                                                                            |
| 2726349         | 31.08.1996   | 128.182,02                                                                             |
| 2726356         | 04.09.1996   | -128.182,02                                                                            |
| 5200026490      | 30.09.2016   | 127.974,67                                                                             |
| 5200026946      | 01.10.2016   | -127.974,67                                                                            |
| 5200005725      | 30.04.2002   | 127.706,22                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005748      | 01.05.2002   | -127.706,22                                                                            |
| 5200002667      | 31.01.2017   | 127.400,21                                                                             |
| 5200003217      | 01.02.2017   | -127.400,21                                                                            |
| 5200004016      | 28.02.2014   | 126.925,68                                                                             |
| 5200004417      | 01.03.2014   | -126.925,68                                                                            |
| 5000002311      | 31.12.2017   | 126.806,02                                                                             |
| 5000002310      | 31.12.2017   | 126.397,00                                                                             |
| 5200021071      | 31.07.2013   | 126.257,56                                                                             |
| 5200021428      | 01.08.2013   | -126.257,56                                                                            |
| 5000002311      | 31.12.2017   | 125.465,50                                                                             |
| 5000002310      | 31.12.2017   | 125.219,13                                                                             |
| 2721610         | 30.04.1996   | 125.032,65                                                                             |
| 2721617         | 06.05.1996   | -125.032,65                                                                            |
| 5000001765      | 30.11.2017   | 125.000,00                                                                             |
| 5000001783      | 30.11.2017   | 125.000,00                                                                             |
| 5000002311      | 31.12.2017   | 125.000,00                                                                             |
| 5000002311      | 31.12.2017   | 125.000,00                                                                             |
| 5200005500      | 29.02.2016   | 124.936,84                                                                             |
| 5200006020      | 01.03.2016   | -124.936,84                                                                            |
| 5200004396      | 28.02.2015   | 124.349,98                                                                             |
| 5200004827      | 01.03.2015   | -124.349,98                                                                            |
| 5200013076      | 30.04.2013   | 124.320,09                                                                             |
| 5200013427      | 01.05.2013   | -124.320,09                                                                            |
| 5200012015      | 31.05.2012   | 123.812,66                                                                             |
| 5200012289      | 01.06.2012   | -123.812,66                                                                            |
| 5200008355      | 31.03.2016   | 123.732,87                                                                             |
| 5200008844      | 01.04.2016   | -123.732,87                                                                            |
| 5200005911      | 28.02.2017   | 123.361,74                                                                             |
| 5200006454      | 01.03.2017   | -123.361,74                                                                            |
| 5200026499      | 30.09.2016   | 123.343,72                                                                             |
| 5200026955      | 01.10.2016   | -123.343,72                                                                            |
| 5000002310      | 31.12.2017   | 123.000,00                                                                             |
| 5000002310      | 31.12.2017   | 122.000,00                                                                             |
| 5200023679      | 31.08.2013   | 121.818,95                                                                             |
| 5200024032      | 01.09.2013   | -121.818,95                                                                            |
| 5200031127      | 31.12.2014   | 121.466,06                                                                             |
| 5200000454      | 01.01.2015   | -121.466,06                                                                            |
| 2718104         | 31.01.1996   | 121.436,15                                                                             |
| 2718111         | 05.02.1996   | -121.436,15                                                                            |
| 5000002176      | 31.12.2017   | -121.000,00                                                                            |
| 5200017587      | 30.06.2015   | 120.558,61                                                                             |
| 5200017940      | 01.07.2015   | -120.558,61                                                                            |
| 5200032065      | 30.11.2015   | 120.427,53                                                                             |
| 5200032468      | 01.12.2015   | -120.427,53                                                                            |
| 5200011720      | 30.09.2002   | 120.162,80                                                                             |
| 5200011743      | 01.10.2002   | -120.162,80                                                                            |
| 5200010883      | 30.04.2016   | 120.085,06                                                                             |
| 5200011367      | 01.05.2016   | -120.085,06                                                                            |
| 5200035466      | 31.10.2017   | 119.708,74                                                                             |
| 5200036022      | 01.11.2017   | -119.708,74                                                                            |
| 5200028796      | 30.11.2014   | 119.487,31                                                                             |
| 5200029160      | 01.12.2014   | -119.487,31                                                                            |
| 5200002202      | 31.01.2012   | 119.461,85                                                                             |
| 5200002445      | 01.02.2012   | -119.461,85                                                                            |
| 5200037329      | 31.12.2001   | 119.254,61                                                                             |
| 5200000577      | 01.01.2002   | -119.254,61                                                                            |
| 5200004532      | 28.02.2015   | 119.034,54                                                                             |
| 5200004963      | 01.03.2015   | -119.034,54                                                                            |
| 5200006757      | 30.06.2003   | 118.911,56                                                                             |
| 5200006783      | 01.07.2003   | -118.911,56                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020361      | 31.07.2016   | 117.909,64                                                                             |
| 5200020831      | 01.08.2016   | -117.909,64                                                                            |
| 2736780         | 28.02.1997   | 117.821,81                                                                             |
| 2736787         | 05.03.1997   | -117.821,81                                                                            |
| 5000002310      | 31.12.2017   | 116.871,19                                                                             |
| 2725113         | 31.07.1996   | 116.866,52                                                                             |
| 2725120         | 05.08.1996   | -116.866,52                                                                            |
| 5200004493      | 31.03.2002   | 116.539,02                                                                             |
| 5200004514      | 01.04.2002   | -116.539,02                                                                            |
| 5200014346      | 31.05.2016   | 116.231,13                                                                             |
| 5200014821      | 01.06.2016   | -116.231,13                                                                            |
| 5000002310      | 31.12.2017   | 116.145,00                                                                             |
| 5200029133      | 31.10.2015   | 115.897,06                                                                             |
| 5200029541      | 01.11.2015   | -115.897,06                                                                            |
| 5000002163      | 31.12.2017   | 115.678,75                                                                             |
| 5000002216      | 31.12.2017   | -115.678,75                                                                            |
| 5000002310      | 31.12.2017   | 115.139,00                                                                             |
| 5200007631      | 31.03.2015   | 114.908,22                                                                             |
| 5200008035      | 01.04.2015   | -114.908,22                                                                            |
| 5200022167      | 30.09.2012   | 114.786,93                                                                             |
| 5200022461      | 01.10.2012   | -114.786,93                                                                            |
| 5200004018      | 28.02.2014   | 114.701,31                                                                             |
| 5200004419      | 01.03.2014   | -114.701,31                                                                            |
| 5200013756      | 31.10.2001   | 114.400,92                                                                             |
| 5200013794      | 01.11.2001   | -114.400,92                                                                            |
| 5200025902      | 31.10.2012   | 114.061,85                                                                             |
| 5200026207      | 01.11.2012   | -114.061,85                                                                            |
| 5200001672      | 31.01.2016   | 113.898,74                                                                             |
| 5200002163      | 01.02.2016   | -113.898,74                                                                            |
| 5200005731      | 31.05.2003   | 113.764,81                                                                             |
| 5200005758      | 01.06.2003   | -113.764,81                                                                            |
| 5200022223      | 30.09.2012   | 113.370,66                                                                             |
| 5200022517      | 01.10.2012   | -113.370,66                                                                            |
| 5200011733      | 30.09.2002   | 113.138,29                                                                             |
| 5200011756      | 01.10.2002   | -113.138,29                                                                            |
| 5200007827      | 31.03.2015   | 112.592,20                                                                             |
| 5200008231      | 01.04.2015   | -112.592,20                                                                            |
| 5200004671      | 30.04.2003   | 112.019,82                                                                             |
| 5200004699      | 01.05.2003   | -112.019,82                                                                            |
| 5000002163      | 31.12.2017   | 111.377,00                                                                             |
| 5000002216      | 31.12.2017   | -111.377,00                                                                            |
| 5000002311      | 31.12.2017   | 111.111,00                                                                             |
| 5200009077      | 31.03.2017   | 111.051,53                                                                             |
| 5200009616      | 01.04.2017   | -111.051,53                                                                            |
| 5200014708      | 31.05.2015   | 110.880,00                                                                             |
| 5200026132      | 30.09.2015   | 110.880,00                                                                             |
| 5200015099      | 01.06.2015   | -110.880,00                                                                            |
| 5200026547      | 01.10.2015   | -110.880,00                                                                            |
| 5200011962      | 31.05.2012   | 110.849,56                                                                             |
| 5200012236      | 01.06.2012   | -110.849,56                                                                            |
| 5200026571      | 30.09.2013   | 110.504,92                                                                             |
| 5200026940      | 01.10.2013   | -110.504,92                                                                            |
| 5200031889      | 30.11.2015   | 110.495,00                                                                             |
| 5200032292      | 01.12.2015   | -110.495,00                                                                            |
| 5200008572      | 31.03.2016   | 110.248,91                                                                             |
| 5200009061      | 01.04.2016   | -110.248,91                                                                            |
| 5200010267      | 30.09.2003   | 110.215,86                                                                             |
| 5200010293      | 01.10.2003   | -110.215,86                                                                            |
| 5000002163      | 31.12.2017   | 110.000,00                                                                             |
| 5000002216      | 31.12.2017   | -110.000,00                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031796      | 30.09.2017   | 109.727,62                                                                             |
| 5200032354      | 01.10.2017   | -109.727,62                                                                            |
| 5200030964      | 31.12.2012   | 109.638,43                                                                             |
| 5200000581      | 01.01.2013   | -109.638,43                                                                            |
| 5000002311      | 31.12.2017   | -109.110,00                                                                            |
| 5000002311      | 31.12.2017   | 109.039,15                                                                             |
| 5000002310      | 31.12.2017   | 109.000,00                                                                             |
| 5200025776      | 31.10.2012   | 108.572,46                                                                             |
| 5200026081      | 01.11.2012   | -108.572,46                                                                            |
| 5200013173      | 30.11.2003   | 108.184,69                                                                             |
| 5200013196      | 01.12.2003   | -108.184,69                                                                            |
| 5200002200      | 31.01.2012   | 107.757,31                                                                             |
| 5200002443      | 01.02.2012   | -107.757,31                                                                            |
| 5200037326      | 31.12.2001   | 107.624,31                                                                             |
| 5200000574      | 01.01.2002   | -107.624,31                                                                            |
| 5200004235      | 31.07.2001   | 107.569,95                                                                             |
| 5200004262      | 01.08.2001   | -107.569,95                                                                            |
| 5200026319      | 30.09.2015   | 107.492,63                                                                             |
| 5200026734      | 01.10.2015   | -107.492,63                                                                            |
| 5200026489      | 30.09.2016   | 106.702,35                                                                             |
| 5200026945      | 01.10.2016   | -106.702,35                                                                            |
| 5000002163      | 31.12.2017   | 106.347,66                                                                             |
| 5000002216      | 31.12.2017   | -106.347,66                                                                            |
| 5200023056      | 31.08.2015   | 106.176,59                                                                             |
| 5200023436      | 01.09.2015   | -106.176,59                                                                            |
| 5200002191      | 31.01.2012   | 105.786,41                                                                             |
| 5200002434      | 01.02.2012   | -105.786,41                                                                            |
| 5000001586      | 31.12.2014   | -105.205,00                                                                            |
| 5000002310      | 31.12.2017   | 105.000,00                                                                             |
| 5200028585      | 30.11.2012   | 104.749,55                                                                             |
| 5200028894      | 01.12.2012   | -104.749,55                                                                            |
| 5200031795      | 30.09.2017   | 104.409,63                                                                             |
| 5200032353      | 01.10.2017   | -104.409,63                                                                            |
| 5200042400      | 31.12.2017   | 104.161,36                                                                             |
| 5200010270      | 31.03.2013   | 104.067,06                                                                             |
| 5200010613      | 01.04.2013   | -104.067,06                                                                            |
| 5000002163      | 31.12.2017   | 104.000,00                                                                             |
| 5000002163      | 31.12.2017   | 103.821,00                                                                             |
| 5200004160      | 29.02.2012   | 103.296,60                                                                             |
| 5200004432      | 01.03.2012   | -103.296,60                                                                            |
| 5000002310      | 31.12.2017   | 103.000,00                                                                             |
| 2532614         | 30.06.1998   | 102.721,76                                                                             |
| 2532615         | 01.07.1998   | -102.721,76                                                                            |
| 5200001461      | 31.01.2016   | 102.324,06                                                                             |
| 5200001952      | 01.02.2016   | -102.324,06                                                                            |
| 5200040074      | 30.11.2017   | 101.904,90                                                                             |
| 5200040624      | 01.12.2017   | -101.904,90                                                                            |
| 5200031804      | 30.09.2017   | 101.618,32                                                                             |
| 5200035476      | 31.10.2017   | 101.618,32                                                                             |
| 5200032362      | 01.10.2017   | -101.618,32                                                                            |
| 5200036032      | 01.11.2017   | -101.618,32                                                                            |
| 5000002163      | 31.12.2017   | 101.232,51                                                                             |
| 5000002216      | 31.12.2017   | -101.232,51                                                                            |
| 5200002657      | 31.01.2017   | 101.081,16                                                                             |
| 5200003207      | 01.02.2017   | -101.081,16                                                                            |
| 5200003180      | 28.02.2002   | 100.913,85                                                                             |
| 5200003208      | 01.03.2002   | -100.913,85                                                                            |
| 5200028112      | 31.08.2017   | 100.710,15                                                                             |
| 5200028674      | 01.09.2017   | -100.710,15                                                                            |
| 5200007616      | 30.06.2002   | 100.707,85                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007639      | 01.07.2002   | -100.707,85                                                                            |
| 5000002163      | 31.12.2017   | 100.476,00                                                                             |
| 5200016624      | 30.06.2016   | 100.010,66                                                                             |
| 5200017085      | 01.07.2016   | -100.010,66                                                                            |
| 5000002157      | 31.12.2017   | 100.000,00                                                                             |
| 5000002310      | 31.12.2017   | 100.000,00                                                                             |
| 5000002310      | 31.12.2017   | 100.000,00                                                                             |
| 5000002310      | 31.12.2017   | 100.000,00                                                                             |
| 5000002310      | 31.12.2017   | 100.000,00                                                                             |
| 5000002310      | 31.12.2017   | 100.000,00                                                                             |
| 5000002310      | 31.12.2017   | 100.000,00                                                                             |
| 5000002311      | 31.12.2017   | 100.000,00                                                                             |
| 5200001726      | 31.05.2001   | 99.958,21                                                                              |
| 5200001753      | 01.06.2001   | -99.958,21                                                                             |
| 5200033905      | 31.12.2015   | 99.463,24                                                                              |
| 5200000619      | 01.01.2016   | -99.463,24                                                                             |
| 5200035725      | 31.10.2017   | 99.452,55                                                                              |
| 5200036281      | 01.11.2017   | -99.452,55                                                                             |
| 5200018139      | 31.07.2014   | 99.360,70                                                                              |
| 5200018562      | 01.08.2014   | -99.360,70                                                                             |
| 5200032048      | 30.09.2017   | 99.347,61                                                                              |
| 5200032606      | 01.10.2017   | -99.347,61                                                                             |
| 5000002310      | 31.12.2017   | 99.340,51                                                                              |
| 5200004497      | 31.03.2002   | 99.233,56                                                                              |
| 5200004518      | 01.04.2002   | -99.233,56                                                                             |
| 5200035478      | 31.10.2017   | 98.554,95                                                                              |
| 5200036034      | 01.11.2017   | -98.554,95                                                                             |
| 5200028102      | 31.08.2017   | 98.276,59                                                                              |
| 5200028664      | 01.09.2017   | -98.276,59                                                                             |
| 5200004041      | 29.02.2012   | 97.869,45                                                                              |
| 5200004313      | 01.03.2012   | -97.869,45                                                                             |
| 5200028572      | 30.11.2012   | 97.801,77                                                                              |
| 5200028881      | 01.12.2012   | -97.801,77                                                                             |
| 5200020122      | 31.07.2015   | 97.417,65                                                                              |
| 5200020490      | 01.08.2015   | -97.417,65                                                                             |
| 5200002497      | 28.02.2003   | 97.305,69                                                                              |
| 5200002524      | 01.03.2003   | -97.305,69                                                                             |
| 5000002310      | 31.12.2017   | 97.000,00                                                                              |
| 5200023527      | 30.09.2014   | 96.309,98                                                                              |
| 5200023852      | 01.10.2014   | -96.309,98                                                                             |
| 5000002311      | 31.12.2017   | 95.387,76                                                                              |
| 5000002310      | 31.12.2017   | 95.000,00                                                                              |
| 5000002317      | 31.12.2017   | 94.608,24                                                                              |
| 5200025837      | 31.10.2012   | 94.295,32                                                                              |
| 5200026142      | 01.11.2012   | -94.295,32                                                                             |
| 5200022882      | 31.08.2015   | 93.976,29                                                                              |
| 5200023262      | 01.09.2015   | -93.976,29                                                                             |
| 5000002311      | 31.12.2017   | 93.960,00                                                                              |
| 5200026501      | 30.09.2016   | 93.770,52                                                                              |
| 5200026957      | 01.10.2016   | -93.770,52                                                                             |
| 5200014558      | 31.05.2016   | 93.607,43                                                                              |
| 5200015033      | 01.06.2016   | -93.607,43                                                                             |
| 5000002310      | 31.12.2017   | 93.500,00                                                                              |
| 5000002163      | 31.12.2017   | 93.112,00                                                                              |
| 5000002164      | 31.12.2017   | 92.977,28                                                                              |
| 5000002163      | 31.12.2017   | 92.819,48                                                                              |
| 5000002163      | 31.12.2017   | 92.720,00                                                                              |
| 5200013861      | 30.04.2017   | 91.534,34                                                                              |
| 5200014418      | 01.05.2017   | -91.534,34                                                                             |
| 5200034651      | 31.12.2016   | 91.519,43                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000747      | 01.01.2017   | -91.519,43                                                                             |
| 5200003144      | 31.01.2013   | 91.349,22                                                                              |
| 5200003485      | 01.02.2013   | -91.349,22                                                                             |
| 5200029041      | 31.10.2013   | 91.294,68                                                                              |
| 5200029383      | 01.11.2013   | -91.294,68                                                                             |
| 5200032701      | 30.11.2016   | 91.153,70                                                                              |
| 5200033168      | 01.12.2016   | -91.153,70                                                                             |
| 2723829         | 30.06.1996   | 91.090,91                                                                              |
| 2723836         | 03.07.1996   | -91.090,91                                                                             |
| 5200026143      | 31.10.2014   | 90.777,55                                                                              |
| 5200026496      | 01.11.2014   | -90.777,55                                                                             |
| 5200017495      | 30.06.2015   | 90.646,93                                                                              |
| 5200017848      | 01.07.2015   | -90.646,93                                                                             |
| 5200007812      | 31.07.2003   | 90.631,25                                                                              |
| 5200007840      | 01.08.2003   | -90.631,25                                                                             |
| 5200029099      | 31.10.2013   | 90.555,65                                                                              |
| 5200029441      | 01.11.2013   | -90.555,65                                                                             |
| 5200008354      | 31.03.2016   | 90.447,67                                                                              |
| 5200008843      | 01.04.2016   | -90.447,67                                                                             |
| 5000002310      | 31.12.2017   | 90.157,78                                                                              |
| 5000002163      | 31.12.2017   | 90.000,00                                                                              |
| 5000002163      | 31.12.2017   | 90.000,00                                                                              |
| 5000002310      | 31.12.2017   | 90.000,00                                                                              |
| 5000002310      | 31.12.2017   | 90.000,00                                                                              |
| 5000002311      | 31.12.2017   | 90.000,00                                                                              |
| 5000002311      | 31.12.2017   | 90.000,00                                                                              |
| 5000002317      | 31.12.2017   | 90.000,00                                                                              |
| 5000002216      | 31.12.2017   | -90.000,00                                                                             |
| 5000002317      | 31.12.2017   | 89.775,00                                                                              |
| 5200006542      | 31.03.2012   | 89.505,72                                                                              |
| 5200006839      | 01.04.2012   | -89.505,72                                                                             |
| 5200029051      | 31.10.2013   | 89.366,28                                                                              |
| 5200029393      | 01.11.2013   | -89.366,28                                                                             |
| 5000002317      | 31.12.2017   | 89.150,00                                                                              |
| 5000002311      | 31.12.2017   | 89.044,40                                                                              |
| 5200026392      | 30.09.2013   | 89.037,43                                                                              |
| 5200026761      | 01.10.2013   | -89.037,43                                                                             |
| 5000002310      | 31.12.2017   | 89.000,00                                                                              |
| 5200031018      | 31.12.2012   | 88.516,76                                                                              |
| 5200000635      | 01.01.2013   | -88.516,76                                                                             |
| 5200012967      | 30.04.2013   | 88.352,43                                                                              |
| 5200013318      | 01.05.2013   | -88.352,43                                                                             |
| 5200003060      | 31.01.2013   | 88.318,76                                                                              |
| 5200003402      | 01.02.2013   | -88.318,76                                                                             |
| 5000002310      | 31.12.2017   | 88.120,00                                                                              |
| 5200005749      | 31.05.2003   | 88.058,99                                                                              |
| 5200005776      | 01.06.2003   | -88.058,99                                                                             |
| 5200026125      | 30.09.2015   | 87.761,24                                                                              |
| 5200026540      | 01.10.2015   | -87.761,24                                                                             |
| 5200001397      | 31.01.2003   | 87.657,40                                                                              |
| 5200001424      | 01.02.2003   | -87.657,40                                                                             |
| 5200018276      | 30.06.2013   | 87.648,33                                                                              |
| 5200018676      | 01.07.2013   | -87.648,33                                                                             |
| 5200014702      | 31.12.2002   | 87.373,56                                                                              |
| 5200000478      | 01.01.2003   | -87.373,56                                                                             |
| 5200004043      | 29.02.2012   | 86.990,04                                                                              |
| 5200004315      | 01.03.2012   | -86.990,04                                                                             |
| 5200006114      | 30.09.2001   | 86.916,43                                                                              |
| 5200006141      | 01.10.2001   | -86.916,43                                                                             |
| 5200023855      | 31.08.2013   | 86.735,41                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200024208      | 01.09.2013   | -86.735,41                                                                             |
| 5200018373      | 30.06.2013   | 86.480,64                                                                              |
| 5200021242      | 31.07.2013   | 86.480,64                                                                              |
| 5200018773      | 01.07.2013   | -86.480,64                                                                             |
| 5200021599      | 01.08.2013   | -86.480,64                                                                             |
| 5200031570      | 30.11.2013   | 85.900,53                                                                              |
| 5200031926      | 01.12.2013   | -85.900,53                                                                             |
| 5200002882      | 31.01.2017   | 85.758,63                                                                              |
| 5200003432      | 01.02.2017   | -85.758,63                                                                             |
| 5200009346      | 31.07.2002   | 85.545,93                                                                              |
| 5200009370      | 01.08.2002   | -85.545,93                                                                             |
| 5200016807      | 30.06.2016   | 85.508,94                                                                              |
| 5200017268      | 01.07.2016   | -85.508,94                                                                             |
| 5000001476      | 30.11.2016   | 85.500,00                                                                              |
| 5000002317      | 31.12.2017   | 85.302,40                                                                              |
| 5200006124      | 30.09.2001   | 85.127,53                                                                              |
| 5200006151      | 01.10.2001   | -85.127,53                                                                             |
| 5200009066      | 31.03.2017   | 84.969,57                                                                              |
| 5200009605      | 01.04.2017   | -84.969,57                                                                             |
| 5200005273      | 29.02.2016   | 84.725,95                                                                              |
| 5200005793      | 01.03.2016   | -84.725,95                                                                             |
| 5200004602      | 28.02.2015   | 84.679,48                                                                              |
| 5200005033      | 01.03.2015   | -84.679,48                                                                             |
| 5200021596      | 30.06.2017   | 83.857,75                                                                              |
| 5200022154      | 01.07.2017   | -83.857,75                                                                             |
| 5000002311      | 31.12.2017   | 83.845,60                                                                              |
| 5000002163      | 31.12.2017   | 83.729,00                                                                              |
| 5000002216      | 31.12.2017   | -83.729,00                                                                             |
| 5000002311      | 31.12.2017   | 83.700,00                                                                              |
| 5200006132      | 28.02.2017   | 83.542,42                                                                              |
| 5200006675      | 01.03.2017   | -83.542,42                                                                             |
| 5000002311      | 31.12.2017   | 83.520,00                                                                              |
| 5200006882      | 31.03.2014   | 83.517,36                                                                              |
| 5200007288      | 01.04.2014   | -83.517,36                                                                             |
| 5000002310      | 31.12.2017   | 83.479,42                                                                              |
| 5000002310      | 31.12.2017   | 83.479,42                                                                              |
| 5000002311      | 31.12.2017   | 83.479,42                                                                              |
| 5200009294      | 31.03.2017   | 83.416,86                                                                              |
| 5200009833      | 01.04.2017   | -83.416,86                                                                             |
| 5200013846      | 30.04.2017   | 83.215,48                                                                              |
| 5200014403      | 01.05.2017   | -83.215,48                                                                             |
| 5200024600      | 31.07.2017   | 83.156,83                                                                              |
| 5200025149      | 01.08.2017   | -83.156,83                                                                             |
| 5200035710      | 31.10.2017   | 83.144,79                                                                              |
| 5200036266      | 01.11.2017   | -83.144,79                                                                             |
| 5200028346      | 31.08.2017   | 83.139,14                                                                              |
| 5200032033      | 30.09.2017   | 83.139,14                                                                              |
| 5200040318      | 30.11.2017   | 83.139,14                                                                              |
| 5200028908      | 01.09.2017   | -83.139,14                                                                             |
| 5200032591      | 01.10.2017   | -83.139,14                                                                             |
| 5200040868      | 01.12.2017   | -83.139,14                                                                             |
| 5200017866      | 31.05.2017   | 83.132,44                                                                              |
| 5200018427      | 01.06.2017   | -83.132,44                                                                             |
| 5200021581      | 30.06.2017   | 83.132,43                                                                              |
| 5200022139      | 01.07.2017   | -83.132,43                                                                             |
| 5000002311      | 31.12.2017   | 83.000,00                                                                              |
| 5200002201      | 31.01.2012   | 82.835,17                                                                              |
| 5200002444      | 01.02.2012   | -82.835,17                                                                             |
| 5200042629      | 31.12.2017   | 82.788,34                                                                              |
| 5200007419      | 28.02.2013   | 82.653,60                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007752      | 01.03.2013   | -82.653,60                                                                             |
| 5000002310      | 31.12.2017   | 82.644,63                                                                              |
| 5000002310      | 31.12.2017   | 82.334,00                                                                              |
| 5200020446      | 31.07.2016   | 82.299,22                                                                              |
| 5200020916      | 01.08.2016   | -82.299,22                                                                             |
| 5200021059      | 31.07.2013   | 82.286,27                                                                              |
| 5200021416      | 01.08.2013   | -82.286,27                                                                             |
| 5200030962      | 31.12.2012   | 82.195,50                                                                              |
| 5200000579      | 01.01.2013   | -82.195,50                                                                             |
| 5200026403      | 30.09.2013   | 82.077,14                                                                              |
| 5200026772      | 01.10.2013   | -82.077,14                                                                             |
| 5200010866      | 30.04.2016   | 82.040,55                                                                              |
| 5200011350      | 01.05.2016   | -82.040,55                                                                             |
| 5000002311      | 31.12.2017   | 81.933,11                                                                              |
| 5200005901      | 28.02.2017   | 81.871,89                                                                              |
| 5200006444      | 01.03.2017   | -81.871,89                                                                             |
| 5200018199      | 30.06.2013   | 81.749,48                                                                              |
| 5200018599      | 01.07.2013   | -81.749,48                                                                             |
| 5200000623      | 01.01.2015   | -81.275,74                                                                             |
| 2530145         | 02.01.1998   | 80.878,94                                                                              |
| 2530144         | 31.12.1997   | -80.878,94                                                                             |
| 5000002310      | 31.12.2017   | 80.817,58                                                                              |
| 5000002163      | 31.12.2017   | 80.814,21                                                                              |
| 5000002216      | 31.12.2017   | -80.814,21                                                                             |
| 5200008913      | 30.04.2012   | 80.646,36                                                                              |
| 5200009191      | 01.05.2012   | -80.646,36                                                                             |
| 5200003612      | 31.03.2003   | 80.629,85                                                                              |
| 5200003640      | 01.04.2003   | -80.629,85                                                                             |
| 5000002310      | 31.12.2017   | 80.450,60                                                                              |
| 5200017493      | 31.07.2012   | 80.418,94                                                                              |
| 5200017779      | 01.08.2012   | -80.418,94                                                                             |
| 5000002163      | 31.12.2017   | 80.340,00                                                                              |
| 5200011812      | 30.04.2015   | 80.099,56                                                                              |
| 5200012226      | 01.05.2015   | -80.099,56                                                                             |
| 5200007615      | 30.06.2002   | 80.002,19                                                                              |
| 5200007638      | 01.07.2002   | -80.002,19                                                                             |
| 5000002310      | 31.12.2017   | 80.000,00                                                                              |
| 5000002310      | 31.12.2017   | 80.000,00                                                                              |
| 5000002310      | 31.12.2017   | 80.000,00                                                                              |
| 5000002310      | 31.12.2017   | 80.000,00                                                                              |
| 5000002311      | 31.12.2017   | 80.000,00                                                                              |
| 5000002311      | 31.12.2017   | 80.000,00                                                                              |
| 5000002174      | 31.12.2017   | -80.000,00                                                                             |
| 5000002310      | 31.12.2017   | 79.783,00                                                                              |
| 5200010188      | 31.03.2013   | 79.676,54                                                                              |
| 5200010531      | 01.04.2013   | -79.676,54                                                                             |
| 5000002311      | 31.12.2017   | 79.419,00                                                                              |
| 5200021123      | 31.07.2013   | 79.381,04                                                                              |
| 5200021480      | 01.08.2013   | -79.381,04                                                                             |
| 5200014758      | 30.06.2012   | 79.331,61                                                                              |
| 5200015048      | 01.07.2012   | -79.331,61                                                                             |
| 5000002163      | 31.12.2017   | 79.104,00                                                                              |
| 5200026452      | 30.09.2013   | 78.911,55                                                                              |
| 5200026821      | 01.10.2013   | -78.911,55                                                                             |
| 5200006556      | 31.03.2012   | 78.869,91                                                                              |
| 5200006853      | 01.04.2012   | -78.869,91                                                                             |
| 5200031626      | 30.11.2013   | 78.680,18                                                                              |
| 5200031982      | 01.12.2013   | -78.680,18                                                                             |
| 5200002310      | 31.01.2015   | 78.593,89                                                                              |
| 5200002734      | 01.02.2015   | -78.593,89                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008915      | 30.04.2012   | 78.400,10                                                                              |
| 5200009193      | 01.05.2012   | -78.400,10                                                                             |
| 5200012893      | 30.04.2013   | 78.165,07                                                                              |
| 5200013244      | 01.05.2013   | -78.165,07                                                                             |
| 5200031052      | 31.12.2012   | 77.949,44                                                                              |
| 5200000669      | 01.01.2013   | -77.949,44                                                                             |
| 5000002310      | 31.12.2017   | 77.949,00                                                                              |
| 5000002310      | 31.12.2017   | 77.820,00                                                                              |
| 5200007637      | 31.03.2015   | 77.466,88                                                                              |
| 5200008041      | 01.04.2015   | -77.466,88                                                                             |
| 5200042644      | 31.12.2017   | 77.459,10                                                                              |
| 5000002163      | 31.12.2017   | 77.172,13                                                                              |
| 5200015543      | 31.05.2013   | 77.111,79                                                                              |
| 5200015903      | 01.06.2013   | -77.111,79                                                                             |
| 5200001398      | 31.01.2003   | 77.076,78                                                                              |
| 5200001425      | 01.02.2003   | -77.076,78                                                                             |
| 5200042666      | 31.12.2017   | 76.999,27                                                                              |
| 5000002216      | 31.12.2017   | -76.522,41                                                                             |
| 5200032519      | 30.11.2016   | 76.205,69                                                                              |
| 5200032986      | 01.12.2016   | -76.205,69                                                                             |
| 5200017425      | 30.06.2015   | 75.942,56                                                                              |
| 5200017778      | 01.07.2015   | -75.942,56                                                                             |
| 5200031759      | 30.11.2013   | 75.820,44                                                                              |
| 5200032115      | 01.12.2013   | -75.820,44                                                                             |
| 5200000018      | 30.04.2001   | 75.514,00                                                                              |
| 5200000045      | 01.05.2001   | -75.514,00                                                                             |
| 5000002311      | 31.12.2017   | 75.306,79                                                                              |
| 5000002163      | 31.12.2017   | 75.283,94                                                                              |
| 5000002216      | 31.12.2017   | -75.283,94                                                                             |
| 5000002311      | 31.12.2017   | 75.120,00                                                                              |
| 5000002310      | 31.12.2017   | 75.000,00                                                                              |
| 5000002311      | 31.12.2017   | 75.000,00                                                                              |
| 5000002311      | 31.12.2017   | 75.000,00                                                                              |
| 5000002317      | 31.12.2017   | 75.000,00                                                                              |
| 5000002163      | 31.12.2017   | 74.159,18                                                                              |
| 5000002310      | 31.12.2017   | 74.100,00                                                                              |
| 5200017881      | 31.05.2017   | 74.035,86                                                                              |
| 5200018442      | 01.06.2017   | -74.035,86                                                                             |
| 5000002311      | 31.12.2017   | 74.000,00                                                                              |
| 5200009309      | 31.03.2017   | 73.936,16                                                                              |
| 5200009848      | 01.04.2017   | -73.936,16                                                                             |
| 5200006123      | 30.09.2001   | 73.870,72                                                                              |
| 5200006150      | 01.10.2001   | -73.870,72                                                                             |
| 5200005912      | 28.02.2017   | 73.513,10                                                                              |
| 5200006455      | 01.03.2017   | -73.513,10                                                                             |
| 5200003133      | 30.06.2001   | 73.055,19                                                                              |
| 5200003171      | 01.07.2001   | -73.055,19                                                                             |
| 5200020360      | 31.07.2016   | 73.050,72                                                                              |
| 5200020830      | 01.08.2016   | -73.050,72                                                                             |
| 5000002310      | 31.12.2017   | 73.030,00                                                                              |
| 5000002172      | 31.12.2017   | -73.000,00                                                                             |
| 2713401         | 30.09.1995   | 72.981,80                                                                              |
| 2713427         | 05.10.1995   | -72.981,80                                                                             |
| 5200014638      | 30.06.2012   | 72.941,04                                                                              |
| 5200014928      | 01.07.2012   | -72.941,04                                                                             |
| 5000002163      | 31.12.2017   | 72.680,10                                                                              |
| 5000001609      | 31.12.2015   | 72.500,00                                                                              |
| 5000002163      | 31.12.2017   | 72.500,00                                                                              |
| 5200004112      | 28.02.2014   | 72.436,35                                                                              |
| 5200004513      | 01.03.2014   | -72.436,35                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200002668      | 31.01.2017   | 72.105,57                                                                              |
| 5200003218      | 01.02.2017   | -72.105,57                                                                             |
| 5200028794      | 30.11.2014   | 72.016,49                                                                              |
| 5200029158      | 01.12.2014   | -72.016,49                                                                             |
| 5000002163      | 31.12.2017   | 72.000,00                                                                              |
| 5000002216      | 31.12.2017   | -72.000,00                                                                             |
| 5200006973      | 31.05.2002   | 71.903,05                                                                              |
| 5200006987      | 01.06.2002   | -71.903,05                                                                             |
| 5200017515      | 31.07.2012   | 71.859,05                                                                              |
| 5200017801      | 01.08.2012   | -71.859,05                                                                             |
| 5000002310      | 31.12.2017   | 71.662,00                                                                              |
| 5200033821      | 31.12.2013   | 71.633,15                                                                              |
| 5200000515      | 01.01.2014   | -71.633,15                                                                             |
| 5000002317      | 31.12.2017   | 71.500,00                                                                              |
| 2707998         | 31.03.1995   | 70.967,05                                                                              |
| 2707923         | 07.04.1995   | -70.967,05                                                                             |
| 5000002311      | 31.12.2017   | 70.944,99                                                                              |
| 5200023681      | 31.08.2013   | 70.830,41                                                                              |
| 5200024034      | 01.09.2013   | -70.830,41                                                                             |
| 5000002310      | 31.12.2017   | 70.750,00                                                                              |
| 5200024615      | 31.07.2017   | 70.639,51                                                                              |
| 5200025166      | 01.08.2017   | -70.639,51                                                                             |
| 5200001412      | 31.01.2002   | 70.543,27                                                                              |
| 5200001445      | 01.02.2002   | -70.543,27                                                                             |
| 5200018189      | 30.06.2013   | 70.374,05                                                                              |
| 5200018589      | 01.07.2013   | -70.374,05                                                                             |
| 5000002311      | 31.12.2017   | 70.258,00                                                                              |
| 5000002310      | 31.12.2017   | 70.245,43                                                                              |
| 5000002310      | 31.12.2017   | 70.122,71                                                                              |
| 5200014771      | 31.05.2015   | 70.085,81                                                                              |
| 5200015162      | 01.06.2015   | -70.085,81                                                                             |
| 5000002163      | 31.12.2017   | 70.019,40                                                                              |
| 5000002310      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002311      | 31.12.2017   | 70.000,00                                                                              |
| 5000002317      | 31.12.2017   | 70.000,00                                                                              |
| 5000002174      | 31.12.2017   | -70.000,00                                                                             |
| 5200010277      | 30.09.2003   | 69.948,41                                                                              |
| 5200010303      | 01.10.2003   | -69.948,41                                                                             |
| 5200031797      | 30.09.2017   | 69.916,27                                                                              |
| 5200032355      | 01.10.2017   | -69.916,27                                                                             |
| 5200000007      | 30.04.2001   | 69.856,91                                                                              |
| 5200000034      | 01.05.2001   | -69.856,91                                                                             |
| 5200015187      | 30.06.2014   | 69.631,70                                                                              |
| 5200015617      | 01.07.2014   | -69.631,70                                                                             |
| 2722720         | 31.05.1996   | 69.515,96                                                                              |
| 2722727         | 05.06.1996   | -69.515,96                                                                             |
| 5200012957      | 31.10.2002   | 69.408,08                                                                              |
| 5200012979      | 01.11.2002   | -69.408,08                                                                             |
| 5200010266      | 30.09.2003   | 69.214,60                                                                              |

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**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200010292      | 01.10.2003   | -69.214,60                                                                             |
| 5000002163      | 31.12.2017   | 69.152,00                                                                              |
| 5200017433      | 30.06.2015   | 69.069,24                                                                              |
| 5200017786      | 01.07.2015   | -69.069,24                                                                             |
| 5000002310      | 31.12.2017   | 69.000,00                                                                              |
| 5000002311      | 31.12.2017   | 68.969,20                                                                              |
| 5200033735      | 31.12.2015   | 68.787,83                                                                              |
| 5200000449      | 01.01.2016   | -68.787,83                                                                             |
| 5000002310      | 31.12.2017   | 68.776,00                                                                              |
| 5200022096      | 30.09.2012   | 68.722,15                                                                              |
| 5200022390      | 01.10.2012   | -68.722,15                                                                             |
| 2712484         | 31.08.1995   | 68.627,93                                                                              |
| 2712508         | 04.09.1995   | -68.627,93                                                                             |
| 5200026135      | 30.09.2015   | 68.506,89                                                                              |
| 5200026550      | 01.10.2015   | -68.506,89                                                                             |
| 5200005729      | 31.05.2003   | 68.493,43                                                                              |
| 5200005756      | 01.06.2003   | -68.493,43                                                                             |
| 5200002509      | 28.02.2003   | 68.411,13                                                                              |
| 5200002536      | 01.03.2003   | -68.411,13                                                                             |
| 5000002163      | 31.12.2017   | 68.320,00                                                                              |
| 5200005740      | 30.04.2002   | 68.275,25                                                                              |
| 5200005763      | 01.05.2002   | -68.275,25                                                                             |
| 5200020162      | 31.08.2012   | 68.269,52                                                                              |
| 5200020448      | 01.09.2012   | -68.269,52                                                                             |
| 5200021357      | 30.06.2017   | 68.035,93                                                                              |
| 5200021915      | 01.07.2017   | -68.035,93                                                                             |
| 5200014711      | 31.12.2002   | 68.015,76                                                                              |
| 5200000487      | 01.01.2003   | -68.015,76                                                                             |
| 5000002157      | 31.12.2017   | 68.000,00                                                                              |
| 5200011964      | 31.05.2012   | 67.797,17                                                                              |
| 5200012238      | 01.06.2012   | -67.797,17                                                                             |
| 5200022107      | 30.09.2012   | 67.641,16                                                                              |
| 5200022401      | 01.10.2012   | -67.641,16                                                                             |
| 5200014709      | 31.05.2015   | 67.614,10                                                                              |
| 5200015100      | 01.06.2015   | -67.614,10                                                                             |
| 5000002311      | 31.12.2017   | 67.612,00                                                                              |
| 5000002163      | 31.12.2017   | 67.584,00                                                                              |
| 5000002216      | 31.12.2017   | -67.584,00                                                                             |
| 5000002311      | 31.12.2017   | 67.442,67                                                                              |
| 5200001366      | 31.01.2014   | 67.397,23                                                                              |
| 5200001738      | 01.02.2014   | -67.397,23                                                                             |
| 5200016821      | 30.06.2016   | 67.290,60                                                                              |
| 5200017282      | 01.07.2016   | -67.290,60                                                                             |
| 5000002311      | 31.12.2017   | 66.984,48                                                                              |
| 5000002310      | 31.12.2017   | 66.783,54                                                                              |
| 5000002311      | 31.12.2017   | 66.700,00                                                                              |
| 5200014290      | 31.12.2003   | 66.455,18                                                                              |
| 5200000386      | 01.01.2004   | -66.455,18                                                                             |
| 5000002317      | 31.12.2017   | 66.334,56                                                                              |
| 5200009072      | 31.03.2017   | 66.238,80                                                                              |
| 5200009611      | 01.04.2017   | -66.238,80                                                                             |
| 5000002163      | 31.12.2017   | 66.018,39                                                                              |
| 5000002163      | 31.12.2017   | 65.990,04                                                                              |
| 5200022892      | 31.08.2015   | 65.892,56                                                                              |
| 5200023272      | 01.09.2015   | -65.892,56                                                                             |
| 5000002311      | 31.12.2017   | 65.698,10                                                                              |
| 5000002311      | 31.12.2017   | 65.550,00                                                                              |
| 5000002163      | 31.12.2017   | 65.527,56                                                                              |
| 5200013626      | 30.04.2017   | 65.472,59                                                                              |
| 5200014183      | 01.05.2017   | -65.472,59                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200022108      | 30.09.2012   | 65.253,02                                                                              |
| 5200022402      | 01.10.2012   | -65.253,02                                                                             |
| 5200017646      | 31.05.2017   | 65.146,27                                                                              |
| 5200018207      | 01.06.2017   | -65.146,27                                                                             |
| 5200002498      | 28.02.2003   | 65.090,11                                                                              |
| 5200002525      | 01.03.2003   | -65.090,11                                                                             |
| 5200034478      | 31.12.2016   | 65.045,34                                                                              |
| 5200000574      | 01.01.2017   | -65.045,34                                                                             |
| 5000002163      | 31.12.2017   | 65.000,00                                                                              |
| 5000002163      | 31.12.2017   | 65.000,00                                                                              |
| 5000002216      | 31.12.2017   | -65.000,00                                                                             |
| 5200024376      | 31.07.2017   | 64.965,03                                                                              |
| 5200024925      | 01.08.2017   | -64.965,03                                                                             |
| 5000002310      | 31.12.2017   | 64.965,00                                                                              |
| 5200026406      | 30.09.2013   | 64.699,60                                                                              |
| 5200026775      | 01.10.2013   | -64.699,60                                                                             |
| 5000002311      | 31.12.2017   | 64.650,00                                                                              |
| 5200009078      | 31.03.2017   | 64.595,37                                                                              |
| 5200009617      | 01.04.2017   | -64.595,37                                                                             |
| 5000002163      | 31.12.2017   | 64.589,00                                                                              |
| 5200020192      | 31.08.2012   | 64.554,18                                                                              |
| 5200020478      | 01.09.2012   | -64.554,18                                                                             |
| 5000002311      | 31.12.2017   | 64.139,63                                                                              |
| 5200017485      | 31.07.2012   | 64.118,17                                                                              |
| 5200017771      | 01.08.2012   | -64.118,17                                                                             |
| 5000002164      | 31.12.2017   | 64.000,00                                                                              |
| 5200014636      | 30.06.2012   | 63.802,97                                                                              |
| 5200014926      | 01.07.2012   | -63.802,97                                                                             |
| 5000002310      | 31.12.2017   | 63.660,00                                                                              |
| 5200004159      | 29.02.2012   | 63.577,45                                                                              |
| 5200004431      | 01.03.2012   | -63.577,45                                                                             |
| 5200014720      | 30.06.2012   | 63.490,31                                                                              |
| 5200015010      | 01.07.2012   | -63.490,31                                                                             |
| 5200002504      | 28.02.2003   | 63.475,63                                                                              |
| 5200002531      | 01.03.2003   | -63.475,63                                                                             |
| 5200020144      | 31.08.2012   | 63.306,12                                                                              |
| 5200020430      | 01.09.2012   | -63.306,12                                                                             |
| 5000002310      | 31.12.2017   | 63.221,00                                                                              |
| 5200008964      | 30.04.2012   | 63.038,21                                                                              |
| 5200009242      | 01.05.2012   | -63.038,21                                                                             |
| 5000002163      | 31.12.2017   | 63.036,00                                                                              |
| 5000002216      | 31.12.2017   | -63.036,00                                                                             |
| 5000002004      | 31.12.2017   | 63.000,00                                                                              |
| 5200029537      | 31.10.2016   | 62.736,82                                                                              |
| 5200029988      | 01.11.2016   | -62.736,82                                                                             |
| 5200030951      | 31.12.2012   | 62.729,90                                                                              |
| 5200000568      | 01.01.2013   | -62.729,90                                                                             |
| 5000002311      | 31.12.2017   | 62.617,91                                                                              |
| 5000002310      | 31.12.2017   | 62.609,57                                                                              |
| 5000002310      | 31.12.2017   | 62.609,57                                                                              |
| 5200016614      | 30.06.2016   | 62.571,56                                                                              |
| 5200017075      | 01.07.2016   | -62.571,56                                                                             |
| 5200002899      | 31.01.2017   | 62.505,73                                                                              |
| 5200003449      | 01.02.2017   | -62.505,73                                                                             |
| 5000002163      | 31.12.2017   | 62.500,00                                                                              |
| 5000002310      | 31.12.2017   | 62.500,00                                                                              |
| 5000002216      | 31.12.2017   | -62.500,00                                                                             |
| 5000002311      | 31.12.2017   | 62.254,00                                                                              |
| 5000002311      | 31.12.2017   | 62.000,00                                                                              |
| 5000002311      | 31.12.2017   | 61.947,09                                                                              |

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**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002163      | 31.12.2017   | 61.800,00                                                                              |
| 5000002163      | 31.12.2017   | 61.800,00                                                                              |
| 2713409         | 30.09.1995   | 61.764,92                                                                              |
| 2713435         | 05.10.1995   | -61.764,92                                                                             |
| 5200031296      | 31.12.2014   | 61.694,61                                                                              |
| 5200042395      | 31.12.2017   | 61.224,39                                                                              |
| 5000002311      | 31.12.2017   | 61.187,00                                                                              |
| 2714380         | 01.11.1995   | 61.113,09                                                                              |
| 2714358         | 03.11.1995   | -61.113,09                                                                             |
| 5000002310      | 31.12.2017   | 61.000,00                                                                              |
| 5000002216      | 31.12.2017   | -61.000,00                                                                             |
| 5200020848      | 31.08.2014   | 60.941,13                                                                              |
| 5200021281      | 01.09.2014   | -60.941,13                                                                             |
| 5200002302      | 31.01.2012   | 60.911,34                                                                              |
| 5200002545      | 01.02.2012   | -60.911,34                                                                             |
| 5000002311      | 31.12.2017   | 60.725,00                                                                              |
| 5200035477      | 31.10.2017   | 60.652,97                                                                              |
| 5200036033      | 01.11.2017   | -60.652,97                                                                             |
| 5200007639      | 31.03.2015   | 60.638,90                                                                              |
| 5200008043      | 01.04.2015   | -60.638,90                                                                             |
| 5000002163      | 31.12.2017   | 60.625,00                                                                              |
| 5200006149      | 28.02.2017   | 60.616,58                                                                              |
| 5200006692      | 01.03.2017   | -60.616,58                                                                             |
| 5200017442      | 31.07.2012   | 60.569,23                                                                              |
| 5200017728      | 01.08.2012   | -60.569,23                                                                             |
| 5000002163      | 31.12.2017   | 60.135,52                                                                              |
| 5200022219      | 30.09.2012   | 60.046,43                                                                              |
| 5200022513      | 01.10.2012   | -60.046,43                                                                             |
| 5000002163      | 31.12.2017   | 60.000,00                                                                              |
| 5000002163      | 31.12.2017   | 60.000,00                                                                              |
| 5000002310      | 31.12.2017   | 60.000,00                                                                              |
| 5000002310      | 31.12.2017   | 60.000,00                                                                              |
| 5000002310      | 31.12.2017   | 60.000,00                                                                              |
| 5000002311      | 31.12.2017   | 60.000,00                                                                              |
| 5200020362      | 31.07.2016   | 59.925,78                                                                              |
| 5200020832      | 01.08.2016   | -59.925,78                                                                             |
| 5200015458      | 31.05.2013   | 59.925,18                                                                              |
| 5200015818      | 01.06.2013   | -59.925,18                                                                             |
| 5200033781      | 31.12.2013   | 59.875,06                                                                              |
| 5200000475      | 01.01.2014   | -59.875,06                                                                             |
| 5200021345      | 30.06.2017   | 59.821,45                                                                              |
| 5200021903      | 01.07.2017   | -59.821,45                                                                             |
| 5000002163      | 31.12.2017   | 59.808,00                                                                              |
| 5000002216      | 31.12.2017   | -59.808,00                                                                             |
| 5000002310      | 31.12.2017   | 59.479,09                                                                              |
| 5200005639      | 31.08.2001   | 59.459,08                                                                              |
| 5200005665      | 01.09.2001   | -59.459,08                                                                             |
| 5200017552      | 31.07.2012   | 59.426,85                                                                              |
| 5200017838      | 01.08.2012   | -59.426,85                                                                             |
| 5200015185      | 30.06.2014   | 59.281,54                                                                              |
| 5200015615      | 01.07.2014   | -59.281,54                                                                             |
| 5200018249      | 30.06.2013   | 59.265,74                                                                              |
| 5200018649      | 01.07.2013   | -59.265,74                                                                             |
| 5200022109      | 30.09.2012   | 59.203,15                                                                              |
| 5200022403      | 01.10.2012   | -59.203,15                                                                             |
| 5000002310      | 31.12.2017   | 58.906,00                                                                              |
| 5200017634      | 31.05.2017   | 58.739,80                                                                              |
| 5200018195      | 01.06.2017   | -58.739,80                                                                             |
| 5200004157      | 29.02.2012   | 58.536,20                                                                              |
| 5200004429      | 01.03.2012   | -58.536,20                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002310      | 31.12.2017   | 58.140,00                                                                              |
| 2710553         | 30.06.1995   | 58.056,00                                                                              |
| 2710575         | 05.07.1995   | -58.056,00                                                                             |
| 5000002317      | 31.12.2017   | 58.000,00                                                                              |
| 5200042388      | 31.12.2017   | 57.785,82                                                                              |
| 5000002311      | 31.12.2017   | 57.699,67                                                                              |
| 5000002310      | 31.12.2017   | 57.686,79                                                                              |
| 5200006612      | 31.03.2012   | 57.652,26                                                                              |
| 5200006909      | 01.04.2012   | -57.652,26                                                                             |
| 5000002163      | 31.12.2017   | 57.560,30                                                                              |
| 5200013613      | 30.04.2017   | 57.537,25                                                                              |
| 5200014170      | 01.05.2017   | -57.537,25                                                                             |
| 5200024363      | 31.07.2017   | 57.465,31                                                                              |
| 5200024912      | 01.08.2017   | -57.465,31                                                                             |
| 5000002310      | 31.12.2017   | 57.384,00                                                                              |
| 5200007470      | 28.02.2013   | 57.374,73                                                                              |
| 5200007803      | 01.03.2013   | -57.374,73                                                                             |
| 2730994         | 31.12.1996   | 57.333,58                                                                              |
| 2731001         | 06.01.1997   | -57.333,58                                                                             |
| 5200001409      | 31.01.2003   | 57.264,40                                                                              |
| 5200001436      | 01.02.2003   | -57.264,40                                                                             |
| 5200006675      | 31.03.2012   | 57.208,44                                                                              |
| 5200006972      | 01.04.2012   | -57.208,44                                                                             |
| 5200017435      | 30.06.2015   | 57.202,33                                                                              |
| 5200017788      | 01.07.2015   | -57.202,33                                                                             |
| 5200002994      | 31.01.2013   | 57.132,64                                                                              |
| 5200003336      | 01.02.2013   | -57.132,64                                                                             |
| 5200028973      | 30.11.2014   | 57.028,10                                                                              |
| 5200029337      | 01.12.2014   | -57.028,10                                                                             |
| 5000002310      | 31.12.2017   | 56.930,00                                                                              |
| 5200034465      | 31.12.2016   | 56.899,31                                                                              |
| 5200000561      | 01.01.2017   | -56.899,31                                                                             |
| 5000002163      | 31.12.2017   | 56.813,03                                                                              |
| 5000002216      | 31.12.2017   | -56.813,03                                                                             |
| 5200020563      | 31.07.2016   | 56.707,52                                                                              |
| 5200021033      | 01.08.2016   | -56.707,52                                                                             |
| 5200028105      | 31.08.2017   | 56.640,31                                                                              |
| 5200028667      | 01.09.2017   | -56.640,31                                                                             |
| 5000002311      | 31.12.2017   | 56.498,13                                                                              |
| 5200032717      | 30.11.2016   | 56.455,46                                                                              |
| 5200033184      | 01.12.2016   | -56.455,46                                                                             |
| 5200005275      | 29.02.2016   | 56.372,45                                                                              |
| 5200005795      | 01.03.2016   | -56.372,45                                                                             |
| 5200006767      | 30.06.2003   | 56.263,47                                                                              |
| 5200006793      | 01.07.2003   | -56.263,47                                                                             |
| 5200028361      | 31.08.2017   | 56.242,31                                                                              |
| 5200028923      | 01.09.2017   | -56.242,31                                                                             |
| 5200011876      | 30.04.2015   | 55.910,28                                                                              |
| 5200012290      | 01.05.2015   | -55.910,28                                                                             |
| 5000002163      | 31.12.2017   | 55.839,00                                                                              |
| 5000002216      | 31.12.2017   | -55.839,00                                                                             |
| 2710551         | 30.06.1995   | 55.786,96                                                                              |
| 2710573         | 05.07.1995   | -55.786,96                                                                             |
| 5200023517      | 31.08.2016   | 55.740,46                                                                              |
| 5200023980      | 01.09.2016   | -55.740,46                                                                             |
| 5200020860      | 31.08.2014   | 55.643,88                                                                              |
| 5200021293      | 01.09.2014   | -55.643,88                                                                             |
| 5200020086      | 31.08.2012   | 55.611,59                                                                              |
| 5200020372      | 01.09.2012   | -55.611,59                                                                             |
| 5000002163      | 31.12.2017   | 55.517,00                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002311      | 31.12.2017   | 55.430,34                                                                              |
| 5000002218      | 31.12.2017   | -55.250,00                                                                             |
| 5200021356      | 30.06.2017   | 54.750,95                                                                              |
| 5200021914      | 01.07.2017   | -54.750,95                                                                             |
| 5200034667      | 31.12.2016   | 54.739,89                                                                              |
| 5200000763      | 01.01.2017   | -54.739,89                                                                             |
| 5200004239      | 31.07.2001   | 54.715,28                                                                              |
| 5200004266      | 01.08.2001   | -54.715,28                                                                             |
| 5200014688      | 30.06.2012   | 54.557,97                                                                              |
| 5200014978      | 01.07.2012   | -54.557,97                                                                             |
| 5000002310      | 31.12.2017   | 54.500,00                                                                              |
| 5200030994      | 31.12.2012   | 54.241,64                                                                              |
| 5200000611      | 01.01.2013   | -54.241,64                                                                             |
| 5200029049      | 31.10.2013   | 54.232,81                                                                              |
| 5200029391      | 01.11.2013   | -54.232,81                                                                             |
| 5200037333      | 31.12.2001   | 54.228,54                                                                              |
| 5200000581      | 01.01.2002   | -54.228,54                                                                             |
| 5000002311      | 31.12.2017   | 54.219,00                                                                              |
| 5200017498      | 31.07.2012   | 54.145,48                                                                              |
| 5200017784      | 01.08.2012   | -54.145,48                                                                             |
| 5000002310      | 31.12.2017   | 54.072,32                                                                              |
| 5000002216      | 31.12.2017   | -53.894,99                                                                             |
| 5200007612      | 30.06.2002   | 53.784,53                                                                              |
| 5200007635      | 01.07.2002   | -53.784,53                                                                             |
| 5200006554      | 31.03.2012   | 53.757,07                                                                              |
| 5200006851      | 01.04.2012   | -53.757,07                                                                             |
| 5200002293      | 31.01.2012   | 53.672,87                                                                              |
| 5200002536      | 01.02.2012   | -53.672,87                                                                             |
| 5000002310      | 31.12.2017   | 53.637,00                                                                              |
| 5000002163      | 31.12.2017   | 53.628,00                                                                              |
| 5000002216      | 31.12.2017   | -53.628,00                                                                             |
| 5200040086      | 30.11.2017   | 53.528,59                                                                              |
| 5200040636      | 01.12.2017   | -53.528,59                                                                             |
| 5200029545      | 31.10.2016   | 53.469,49                                                                              |
| 5200029996      | 01.11.2016   | -53.469,49                                                                             |
| 5200026497      | 30.09.2016   | 53.469,41                                                                              |
| 5200026953      | 01.10.2016   | -53.469,41                                                                             |
| 2843773         | 30.09.1996   | 53.446,28                                                                              |
| 2843775         | 02.10.1996   | -53.446,28                                                                             |
| 5000001861      | 31.12.2016   | 53.409,00                                                                              |
| 5200020152      | 31.12.2011   | 53.329,77                                                                              |
| 5200000625      | 01.01.2012   | -53.329,77                                                                             |
| 5000002163      | 31.12.2017   | 53.300,00                                                                              |
| 5200014624      | 30.06.2012   | 53.287,50                                                                              |
| 5200014914      | 01.07.2012   | -53.287,50                                                                             |
| 5200022969      | 31.08.2015   | 53.225,58                                                                              |
| 5200023349      | 01.09.2015   | -53.225,58                                                                             |
| 5000002311      | 31.12.2017   | 53.200,00                                                                              |
| 5200020547      | 31.07.2016   | 53.110,69                                                                              |
| 5200021017      | 01.08.2016   | -53.110,69                                                                             |
| 5200032527      | 30.11.2016   | 53.090,31                                                                              |
| 5200032994      | 01.12.2016   | -53.090,31                                                                             |
| 5000002310      | 31.12.2017   | 53.070,00                                                                              |
| 5000002311      | 31.12.2017   | 53.054,00                                                                              |
| 5000002311      | 31.12.2017   | 53.000,00                                                                              |
| 5200000622      | 01.01.2015   | -52.958,98                                                                             |
| 2712469         | 31.08.1995   | 52.941,09                                                                              |
| 2712493         | 04.09.1995   | -52.941,09                                                                             |
| 5200040073      | 30.11.2017   | 52.933,52                                                                              |
| 5200040623      | 01.12.2017   | -52.933,52                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2709664         | 31.05.1995   | 52.870,63                                                                              |
| 2709686         | 06.06.1995   | -52.870,63                                                                             |
| 5200028946      | 31.10.2015   | 52.855,66                                                                              |
| 5200029354      | 01.11.2015   | -52.855,66                                                                             |
| 5000002310      | 31.12.2017   | 52.676,00                                                                              |
| 5200028571      | 30.11.2012   | 52.516,20                                                                              |
| 5200028880      | 01.12.2012   | -52.516,20                                                                             |
| 5200028785      | 30.11.2014   | 52.455,57                                                                              |
| 5200029149      | 01.12.2014   | -52.455,57                                                                             |
| 5200013619      | 30.04.2017   | 52.209,21                                                                              |
| 5200014176      | 01.05.2017   | -52.209,21                                                                             |
| 5200020088      | 31.08.2012   | 52.098,76                                                                              |
| 5200020374      | 01.09.2012   | -52.098,76                                                                             |
| 5200034466      | 31.12.2016   | 52.070,71                                                                              |
| 5200000562      | 01.01.2017   | -52.070,71                                                                             |
| 5200025777      | 31.10.2012   | 51.977,56                                                                              |
| 5200026082      | 01.11.2012   | -51.977,56                                                                             |
| 5000002311      | 31.12.2017   | 51.950,00                                                                              |
| 5200028640      | 30.11.2012   | 51.943,60                                                                              |
| 5200028949      | 01.12.2012   | -51.943,60                                                                             |
| 5000002163      | 31.12.2017   | 51.908,51                                                                              |
| 5000002216      | 31.12.2017   | -51.908,51                                                                             |
| 5200010275      | 30.09.2003   | 51.596,62                                                                              |
| 5200010301      | 01.10.2003   | -51.596,62                                                                             |
| 5200020074      | 31.08.2012   | 51.441,73                                                                              |
| 5200020360      | 01.09.2012   | -51.441,73                                                                             |
| 5000002317      | 31.12.2017   | 51.437,14                                                                              |
| 5000002163      | 31.12.2017   | 51.389,00                                                                              |
| 5000002310      | 31.12.2017   | 51.312,75                                                                              |
| 5200001394      | 31.01.2014   | 51.242,20                                                                              |
| 5200001766      | 01.02.2014   | -51.242,20                                                                             |
| 5200006782      | 31.03.2014   | 51.232,27                                                                              |
| 5200007188      | 01.04.2014   | -51.232,27                                                                             |
| 5000002164      | 31.12.2017   | 51.184,00                                                                              |
| 5000002163      | 31.12.2017   | 51.002,72                                                                              |
| 5000002310      | 31.12.2017   | 51.000,00                                                                              |
| 5200034473      | 31.12.2016   | 50.899,85                                                                              |
| 5200000569      | 01.01.2017   | -50.899,85                                                                             |
| 5200005907      | 28.02.2017   | 50.859,21                                                                              |
| 5200006450      | 01.03.2017   | -50.859,21                                                                             |
| 5200023529      | 30.09.2014   | 50.827,03                                                                              |
| 5200023854      | 01.10.2014   | -50.827,03                                                                             |
| 5200024369      | 31.07.2017   | 50.806,21                                                                              |
| 5200024918      | 01.08.2017   | -50.806,21                                                                             |
| 5000002164      | 31.12.2017   | 50.758,00                                                                              |
| 5000002218      | 31.12.2017   | -50.758,00                                                                             |
| 5000002164      | 31.12.2017   | 50.578,00                                                                              |
| 5000002218      | 31.12.2017   | -50.578,00                                                                             |
| 5200026135      | 31.10.2014   | 50.540,11                                                                              |
| 5200026488      | 01.11.2014   | -50.540,11                                                                             |
| 5200026476      | 30.09.2013   | 50.539,16                                                                              |
| 5200026845      | 01.10.2013   | -50.539,16                                                                             |
| 5200025765      | 31.10.2012   | 50.498,09                                                                              |
| 5200026070      | 01.11.2012   | -50.498,09                                                                             |
| 5000002163      | 31.12.2017   | 50.497,19                                                                              |
| 5000002163      | 31.12.2017   | 50.490,00                                                                              |
| 5200040080      | 30.11.2017   | 50.462,61                                                                              |
| 5200040630      | 01.12.2017   | -50.462,61                                                                             |
| 5200002664      | 31.01.2017   | 50.459,21                                                                              |
| 5200017640      | 31.05.2017   | 50.459,21                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200021351      | 30.06.2017   | 50.459,21                                                                              |
| 5200003214      | 01.02.2017   | -50.459,21                                                                             |
| 5200018201      | 01.06.2017   | -50.459,21                                                                             |
| 5200021909      | 01.07.2017   | -50.459,21                                                                             |
| 5000002311      | 31.12.2017   | 50.455,92                                                                              |
| 5000002310      | 31.12.2017   | 50.334,75                                                                              |
| 5000002310      | 31.12.2017   | 50.334,75                                                                              |
| 5000002310      | 31.12.2017   | 50.334,75                                                                              |
| 5000002163      | 31.12.2017   | 50.331,00                                                                              |
| 5200012244      | 31.05.2014   | 50.299,71                                                                              |
| 5200012691      | 01.06.2014   | -50.299,71                                                                             |
| 5200020088      | 31.12.2011   | 50.298,35                                                                              |
| 5200000561      | 01.01.2012   | -50.298,35                                                                             |
| 5000002310      | 31.12.2017   | 50.087,65                                                                              |
| 5000002157      | 31.12.2017   | 50.000,00                                                                              |
| 5000002163      | 31.12.2017   | 50.000,00                                                                              |
| 5000002163      | 31.12.2017   | 50.000,00                                                                              |
| 5000002164      | 31.12.2017   | 50.000,00                                                                              |
| 5000002157      | 31.12.2017   | 50.000,00                                                                              |
| 5000002310      | 31.12.2017   | 50.000,00                                                                              |
| 5000002310      | 31.12.2017   | 50.000,00                                                                              |
| 5000002310      | 31.12.2017   | 50.000,00                                                                              |
| 5000002311      | 31.12.2017   | 50.000,00                                                                              |
| 5000002317      | 31.12.2017   | 50.000,00                                                                              |
| 5200031652      | 30.11.2013   | 49.957,73                                                                              |
| 5200032008      | 01.12.2013   | -49.957,73                                                                             |
| 5200006678      | 31.03.2012   | 49.843,01                                                                              |
| 5200006975      | 01.04.2012   | -49.843,01                                                                             |
| 5200013612      | 30.04.2017   | 49.795,30                                                                              |
| 5200014169      | 01.05.2017   | -49.795,30                                                                             |
| 5200010186      | 31.03.2013   | 49.766,19                                                                              |
| 5200010529      | 01.04.2013   | -49.766,19                                                                             |
| 2711541         | 31.07.1995   | 49.729,70                                                                              |
| 2711566         | 03.08.1995   | -49.729,70                                                                             |
| 5200024362      | 31.07.2017   | 49.677,22                                                                              |
| 5200024911      | 01.08.2017   | -49.677,22                                                                             |
| 5200028104      | 31.08.2017   | 49.658,58                                                                              |
| 5200028666      | 01.09.2017   | -49.658,58                                                                             |
| 5000001476      | 30.11.2016   | 49.590,00                                                                              |
| 5200020190      | 31.08.2012   | 49.452,21                                                                              |
| 5200020476      | 01.09.2012   | -49.452,21                                                                             |
| 5200026316      | 31.10.2014   | 49.451,51                                                                              |
| 5200026669      | 01.11.2014   | -49.451,51                                                                             |
| 5000002163      | 31.12.2017   | 49.440,00                                                                              |
| 5200021149      | 31.07.2013   | 49.370,85                                                                              |
| 5200021506      | 01.08.2013   | -49.370,85                                                                             |
| 5200012956      | 31.10.2002   | 49.336,80                                                                              |
| 5200012978      | 01.11.2002   | -49.336,80                                                                             |
| 5200015516      | 31.05.2013   | 49.318,82                                                                              |
| 5200015876      | 01.06.2013   | -49.318,82                                                                             |
| 5000002163      | 31.12.2017   | 49.095,82                                                                              |
| 5000002310      | 31.12.2017   | 49.000,00                                                                              |
| 5000002311      | 31.12.2017   | 49.000,00                                                                              |
| 5000002317      | 31.12.2017   | 49.000,00                                                                              |
| 5000002163      | 31.12.2017   | 48.946,00                                                                              |
| 5200029738      | 31.10.2016   | 48.917,21                                                                              |
| 5200030189      | 01.11.2016   | -48.917,21                                                                             |
| 5000002310      | 31.12.2017   | 48.750,00                                                                              |
| 5000002310      | 31.12.2017   | 48.700,00                                                                              |
| 5000002163      | 31.12.2017   | 48.543,49                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004077      | 28.02.2014   | 48.536,56                                                                              |
| 5200004478      | 01.03.2014   | -48.536,56                                                                             |
| 5000002163      | 31.12.2017   | 48.500,00                                                                              |
| 5200012883      | 30.04.2013   | 48.468,53                                                                              |
| 5200013234      | 01.05.2013   | -48.468,53                                                                             |
| 5200003190      | 28.02.2002   | 48.386,24                                                                              |
| 5200003218      | 01.03.2002   | -48.386,24                                                                             |
| 5200025764      | 31.10.2012   | 48.186,51                                                                              |
| 5200026069      | 01.11.2012   | -48.186,51                                                                             |
| 5200012941      | 30.04.2013   | 48.076,62                                                                              |
| 5200013292      | 01.05.2013   | -48.076,62                                                                             |
| 5200042659      | 31.12.2017   | 48.000,00                                                                              |
| 5000002163      | 31.12.2017   | 47.982,44                                                                              |
| 5200023310      | 31.08.2016   | 47.860,46                                                                              |
| 5200023773      | 01.09.2016   | -47.860,46                                                                             |
| 5200006844      | 31.03.2014   | 47.826,93                                                                              |
| 5200007250      | 01.04.2014   | -47.826,93                                                                             |
| 5200004669      | 30.04.2003   | 47.626,05                                                                              |
| 5200004697      | 01.05.2003   | -47.626,05                                                                             |
| 5200009605      | 30.04.2014   | 47.612,24                                                                              |
| 5200010027      | 01.05.2014   | -47.612,24                                                                             |
| 5000002163      | 31.12.2017   | 47.557,98                                                                              |
| 5000002216      | 31.12.2017   | -47.557,98                                                                             |
| 5000002163      | 31.12.2017   | 47.541,09                                                                              |
| 5000002163      | 31.12.2017   | 47.500,00                                                                              |
| 5000002216      | 31.12.2017   | -47.500,00                                                                             |
| 5200011736      | 30.09.2002   | 47.300,05                                                                              |
| 5200011759      | 01.10.2002   | -47.300,05                                                                             |
| 5200029040      | 31.10.2013   | 47.181,03                                                                              |
| 5200029382      | 01.11.2013   | -47.181,03                                                                             |
| 5000002163      | 31.12.2017   | 47.124,56                                                                              |
| 5200031579      | 30.11.2013   | 47.044,37                                                                              |
| 5200031935      | 01.12.2013   | -47.044,37                                                                             |
| 5000002310      | 31.12.2017   | 47.000,00                                                                              |
| 5200003610      | 31.03.2003   | 46.939,87                                                                              |
| 5200003638      | 01.04.2003   | -46.939,87                                                                             |
| 5200010541      | 31.08.2002   | 46.863,84                                                                              |
| 5200010565      | 01.09.2002   | -46.863,84                                                                             |
| 5000002311      | 31.12.2017   | 46.822,00                                                                              |
| 5000002163      | 31.12.2017   | 46.800,00                                                                              |
| 5200012082      | 31.05.2012   | 46.710,45                                                                              |
| 5200012356      | 01.06.2012   | -46.710,45                                                                             |
| 5200020131      | 31.07.2015   | 46.695,63                                                                              |
| 5200020499      | 01.08.2015   | -46.695,63                                                                             |
| 5200005742      | 31.05.2003   | 46.629,64                                                                              |
| 5200005769      | 01.06.2003   | -46.629,64                                                                             |
| 5200010246      | 31.03.2013   | 46.433,04                                                                              |
| 5200010589      | 01.04.2013   | -46.433,04                                                                             |
| 5000002317      | 31.12.2017   | 46.390,00                                                                              |
| 5200018141      | 31.07.2014   | 46.312,16                                                                              |
| 5200018564      | 01.08.2014   | -46.312,16                                                                             |
| 5000002310      | 31.12.2017   | 46.301,00                                                                              |
| 2710559         | 30.06.1995   | 46.260,29                                                                              |
| 2710581         | 05.07.1995   | -46.260,29                                                                             |
| 5200026677      | 30.09.2016   | 46.251,52                                                                              |
| 5200027133      | 01.10.2016   | -46.251,52                                                                             |
| 5200026674      | 30.09.2016   | 46.236,45                                                                              |
| 5200027130      | 01.10.2016   | -46.236,45                                                                             |
| 5200002304      | 31.01.2012   | 46.171,46                                                                              |
| 5200002547      | 01.02.2012   | -46.171,46                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002311      | 31.12.2017   | 46.080,00                                                                              |
| 5000002163      | 31.12.2017   | 46.046,00                                                                              |
| 5000002216      | 31.12.2017   | -46.046,00                                                                             |
| 5000002310      | 31.12.2017   | 46.033,06                                                                              |
| 5000002163      | 31.12.2017   | 46.010,00                                                                              |
| 5000002310      | 31.12.2017   | 46.000,00                                                                              |
| 5000002311      | 31.12.2017   | 45.997,52                                                                              |
| 5200000620      | 01.01.2015   | -45.851,24                                                                             |
| 5000002163      | 31.12.2017   | 45.722,00                                                                              |
| 5000002216      | 31.12.2017   | -45.722,00                                                                             |
| 5200022188      | 30.09.2012   | 45.626,52                                                                              |
| 5200022482      | 01.10.2012   | -45.626,52                                                                             |
| 5000002163      | 31.12.2017   | 45.600,00                                                                              |
| 5000002163      | 31.12.2017   | 45.515,26                                                                              |
| 5000002310      | 31.12.2017   | 45.500,00                                                                              |
| 5000002163      | 31.12.2017   | 45.320,00                                                                              |
| 5200025864      | 31.10.2012   | 45.203,81                                                                              |
| 5200026169      | 01.11.2012   | -45.203,81                                                                             |
| 5200002992      | 31.01.2013   | 45.090,59                                                                              |
| 5200003334      | 01.02.2013   | -45.090,59                                                                             |
| 5000002163      | 31.12.2017   | 45.000,00                                                                              |
| 5000002310      | 31.12.2017   | 45.000,00                                                                              |
| 5000002310      | 31.12.2017   | 45.000,00                                                                              |
| 5000002310      | 31.12.2017   | 45.000,00                                                                              |
| 5000002317      | 31.12.2017   | 45.000,00                                                                              |
| 5000002175      | 31.12.2017   | -45.000,00                                                                             |
| 5000002216      | 31.12.2017   | -45.000,00                                                                             |
| 5200031124      | 31.12.2014   | 44.910,28                                                                              |
| 5200000451      | 01.01.2015   | -44.910,28                                                                             |
| 5200012300      | 31.05.2014   | 44.877,16                                                                              |
| 5200012747      | 01.06.2014   | -44.877,16                                                                             |
| 2846738         | 30.06.1997   | 44.746,22                                                                              |
| 2846739         | 01.07.1997   | -44.746,22                                                                             |
| 5000002310      | 31.12.2017   | 44.627,31                                                                              |
| 5200015239      | 30.06.2014   | 44.473,86                                                                              |
| 5200018190      | 31.07.2014   | 44.473,86                                                                              |
| 5200015669      | 01.07.2014   | -44.473,86                                                                             |
| 5200018613      | 01.08.2014   | -44.473,86                                                                             |
| 5200020912      | 31.08.2014   | 44.453,91                                                                              |
| 5200021345      | 01.09.2014   | -44.453,91                                                                             |
| 5200023500      | 31.08.2016   | 44.340,95                                                                              |
| 5200023963      | 01.09.2016   | -44.340,95                                                                             |
| 5000002164      | 31.12.2017   | 44.320,00                                                                              |
| 5000002163      | 31.12.2017   | 44.280,00                                                                              |
| 5000002163      | 31.12.2017   | 44.200,00                                                                              |
| 5000002310      | 31.12.2017   | 44.118,20                                                                              |
| 5000002163      | 31.12.2017   | 44.000,00                                                                              |
| 5000002310      | 31.12.2017   | 44.000,00                                                                              |
| 5000002310      | 31.12.2017   | 44.000,00                                                                              |
| 5200020137      | 31.08.2012   | 43.902,72                                                                              |
| 5200020423      | 01.09.2012   | -43.902,72                                                                             |
| 5200007021      | 31.03.2014   | 43.894,52                                                                              |
| 5200007427      | 01.04.2014   | -43.894,52                                                                             |
| 5200004690      | 30.04.2003   | 43.773,01                                                                              |
| 5200004718      | 01.05.2003   | -43.773,01                                                                             |
| 5200031125      | 31.12.2014   | 43.606,15                                                                              |
| 5200000452      | 01.01.2015   | -43.606,15                                                                             |
| 5200023731      | 31.08.2013   | 43.585,60                                                                              |
| 5200024084      | 01.09.2013   | -43.585,60                                                                             |
| 5200006776      | 30.06.2003   | 43.533,22                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006802      | 01.07.2003   | -43.533,22                                                                             |
| 5000002310      | 31.12.2017   | 43.500,00                                                                              |
| 5200015171      | 30.06.2014   | 43.497,07                                                                              |
| 5200015601      | 01.07.2014   | -43.497,07                                                                             |
| 5000002311      | 31.12.2017   | 43.313,88                                                                              |
| 5000002163      | 31.12.2017   | 43.046,00                                                                              |
| 5200002249      | 31.01.2012   | 43.045,14                                                                              |
| 5200002492      | 01.02.2012   | -43.045,14                                                                             |
| 5000002310      | 31.12.2017   | 43.000,00                                                                              |
| 5000002163      | 31.12.2017   | 42.983,14                                                                              |
| 5200011734      | 30.09.2002   | 42.968,33                                                                              |
| 5200011757      | 01.10.2002   | -42.968,33                                                                             |
| 5000002310      | 31.12.2017   | 42.922,45                                                                              |
| 2711542         | 31.07.1995   | 42.887,92                                                                              |
| 2711567         | 03.08.1995   | -42.887,92                                                                             |
| 5200033846      | 31.12.2013   | 42.859,53                                                                              |
| 5200000540      | 01.01.2014   | -42.859,53                                                                             |
| 5200001542      | 31.01.2016   | 42.841,61                                                                              |
| 5200002033      | 01.02.2016   | -42.841,61                                                                             |
| 5200003159      | 30.06.2001   | 42.763,38                                                                              |
| 5200003196      | 01.07.2001   | -42.763,38                                                                             |
| 5200008926      | 31.08.2003   | 42.677,84                                                                              |
| 5200008952      | 01.09.2003   | -42.677,84                                                                             |
| 5000002310      | 31.12.2017   | 42.574,51                                                                              |
| 5000002311      | 31.12.2017   | 42.536,00                                                                              |
| 5200020072      | 31.08.2012   | 42.387,62                                                                              |
| 5200020358      | 01.09.2012   | -42.387,62                                                                             |
| 5000002163      | 31.12.2017   | 42.218,40                                                                              |
| 5200012047      | 31.05.2012   | 42.160,43                                                                              |
| 5200012321      | 01.06.2012   | -42.160,43                                                                             |
| 5200015430      | 30.06.2014   | 42.120,64                                                                              |
| 5200015860      | 01.07.2014   | -42.120,64                                                                             |
| 5000002004      | 31.12.2017   | 42.000,00                                                                              |
| 5200009344      | 31.07.2002   | 41.996,64                                                                              |
| 5200009368      | 01.08.2002   | -41.996,64                                                                             |
| 5200010669      | 30.04.2016   | 41.748,21                                                                              |
| 5200011153      | 01.05.2016   | -41.748,21                                                                             |
| 5000002310      | 31.12.2017   | 41.739,71                                                                              |
| 5000002311      | 31.12.2017   | 41.739,71                                                                              |
| 5200007704      | 31.03.2015   | 41.601,44                                                                              |
| 5200008108      | 01.04.2015   | -41.601,44                                                                             |
| 5200029721      | 31.10.2016   | 41.586,55                                                                              |
| 5200030172      | 01.11.2016   | -41.586,55                                                                             |
| 5200021344      | 30.06.2017   | 41.446,04                                                                              |
| 5200021902      | 01.07.2017   | -41.446,04                                                                             |
| 5200011738      | 30.09.2002   | 41.204,96                                                                              |
| 5200011761      | 01.10.2002   | -41.204,96                                                                             |
| 5000002163      | 31.12.2017   | 41.200,00                                                                              |
| 5000002310      | 31.12.2017   | 41.000,00                                                                              |
| 5000002163      | 31.12.2017   | 40.758,34                                                                              |
| 5000002311      | 31.12.2017   | 40.700,00                                                                              |
| 5000002216      | 31.12.2017   | -40.526,79                                                                             |
| 5000002311      | 31.12.2017   | 40.474,00                                                                              |
| 5000002310      | 31.12.2017   | 40.441,59                                                                              |
| 5200040082      | 30.11.2017   | 40.375,20                                                                              |
| 5200042397      | 31.12.2017   | 40.375,20                                                                              |
| 5200040632      | 01.12.2017   | -40.375,20                                                                             |
| 5000002311      | 31.12.2017   | 40.345,00                                                                              |
| 5000002163      | 31.12.2017   | 40.235,14                                                                              |
| 5000002310      | 31.12.2017   | 40.070,12                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002157      | 31.12.2017   | 40.000,00                                                                              |
| 5000002310      | 31.12.2017   | 40.000,00                                                                              |
| 5000002311      | 31.12.2017   | 40.000,00                                                                              |
| 5000002311      | 31.12.2017   | 40.000,00                                                                              |
| 5000002311      | 31.12.2017   | 40.000,00                                                                              |
| 5200014283      | 31.12.2003   | 39.956,23                                                                              |
| 5200000379      | 01.01.2004   | -39.956,23                                                                             |
| 5200014711      | 31.05.2015   | 39.864,66                                                                              |
| 5200015102      | 01.06.2015   | -39.864,66                                                                             |
| 5200032520      | 30.11.2016   | 39.820,78                                                                              |
| 5200032987      | 01.12.2016   | -39.820,78                                                                             |
| 5000002163      | 31.12.2017   | 39.815,00                                                                              |
| 5000002216      | 31.12.2017   | -39.815,00                                                                             |
| 5200029123      | 31.10.2013   | 39.539,30                                                                              |
| 5200029465      | 01.11.2013   | -39.539,30                                                                             |
| 5200005737      | 30.04.2002   | 39.492,81                                                                              |
| 5200005760      | 01.05.2002   | -39.492,81                                                                             |
| 5200001748      | 31.05.2001   | 39.440,36                                                                              |
| 5200001775      | 01.06.2001   | -39.440,36                                                                             |
| 5000002310      | 31.12.2017   | 39.308,79                                                                              |
| 5000002310      | 31.12.2017   | 39.288,76                                                                              |
| 5200028678      | 30.11.2012   | 39.221,87                                                                              |
| 5200028987      | 01.12.2012   | -39.221,87                                                                             |
| 5000002311      | 31.12.2017   | 39.090,00                                                                              |
| 5200020130      | 31.07.2015   | 38.916,45                                                                              |
| 5200020498      | 01.08.2015   | -38.916,45                                                                             |
| 5200021076      | 31.08.2014   | 38.690,84                                                                              |
| 5200021509      | 01.09.2014   | -38.690,84                                                                             |
| 2706000         | 31.01.1995   | 38.676,97                                                                              |
| 2706014         | 07.02.1995   | -38.676,97                                                                             |
| 5000002163      | 31.12.2017   | 38.655,90                                                                              |
| 5200028958      | 31.10.2015   | 38.474,30                                                                              |
| 5200029366      | 01.11.2015   | -38.474,30                                                                             |
| 5000002310      | 31.12.2017   | 38.359,00                                                                              |
| 5200007613      | 30.06.2002   | 38.342,68                                                                              |
| 5200007636      | 01.07.2002   | -38.342,68                                                                             |
| 5000002317      | 31.12.2017   | 38.294,00                                                                              |
| 5200012282      | 31.05.2014   | 38.126,14                                                                              |
| 5200012729      | 01.06.2014   | -38.126,14                                                                             |
| 5200017522      | 31.07.2012   | 38.090,44                                                                              |
| 5200017808      | 01.08.2012   | -38.090,44                                                                             |
| 5000002310      | 31.12.2017   | 37.986,93                                                                              |
| 5000002310      | 31.12.2017   | 37.940,05                                                                              |
| 5000002311      | 31.12.2017   | 37.940,00                                                                              |
| 5200026486      | 30.09.2013   | 37.848,76                                                                              |
| 5200026855      | 01.10.2013   | -37.848,76                                                                             |
| 5200006793      | 31.03.2014   | 37.771,39                                                                              |
| 5200007199      | 01.04.2014   | -37.771,39                                                                             |
| 5200031293      | 31.12.2014   | 37.705,05                                                                              |
| 5200002105      | 31.01.2015   | 37.692,87                                                                              |
| 5200002529      | 01.02.2015   | -37.692,87                                                                             |
| 5200022159      | 30.09.2012   | 37.650,42                                                                              |
| 5200022453      | 01.10.2012   | -37.650,42                                                                             |
| 5200023876      | 31.08.2013   | 37.581,88                                                                              |
| 5200024229      | 01.09.2013   | -37.581,88                                                                             |
| 5200003106      | 31.01.2013   | 37.579,44                                                                              |
| 5200003447      | 01.02.2013   | -37.579,44                                                                             |
| 5000002311      | 31.12.2017   | 37.565,74                                                                              |
| 5000002310      | 31.12.2017   | 37.500,00                                                                              |
| 5000002311      | 31.12.2017   | 37.500,00                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026231      | 30.09.2015   | 37.271,04                                                                              |
| 5200026646      | 01.10.2015   | -37.271,04                                                                             |
| 5000002163      | 31.12.2017   | 37.080,00                                                                              |
| 5000002216      | 31.12.2017   | -37.080,00                                                                             |
| 5000002310      | 31.12.2017   | 37.000,00                                                                              |
| 5000002163      | 31.12.2017   | 36.972,00                                                                              |
| 5000002163      | 31.12.2017   | 36.915,20                                                                              |
| 5000002163      | 31.12.2017   | 36.852,00                                                                              |
| 5000002216      | 31.12.2017   | -36.852,00                                                                             |
| 5000002310      | 31.12.2017   | 36.809,00                                                                              |
| 5200028584      | 30.11.2012   | 36.687,07                                                                              |
| 5200028893      | 01.12.2012   | -36.687,07                                                                             |
| 5200002103      | 31.01.2015   | 36.610,17                                                                              |
| 5200002527      | 01.02.2015   | -36.610,17                                                                             |
| 5200018339      | 30.06.2013   | 36.573,30                                                                              |
| 5200018739      | 01.07.2013   | -36.573,30                                                                             |
| 5200040183      | 30.11.2017   | 36.568,01                                                                              |
| 5200040733      | 01.12.2017   | -36.568,01                                                                             |
| 5000002163      | 31.12.2017   | 36.513,85                                                                              |
| 5000002216      | 31.12.2017   | -36.513,85                                                                             |
| 5200023799      | 31.08.2013   | 36.314,15                                                                              |
| 5200024152      | 01.09.2013   | -36.314,15                                                                             |
| 5000002310      | 31.12.2017   | 36.300,00                                                                              |
| 5200003618      | 31.03.2003   | 36.157,07                                                                              |
| 5200003646      | 01.04.2003   | -36.157,07                                                                             |
| 5000002311      | 31.12.2017   | 36.108,84                                                                              |
| 5000002310      | 31.12.2017   | 36.000,00                                                                              |
| 5000002310      | 31.12.2017   | 36.000,00                                                                              |
| 5000002163      | 31.12.2017   | 35.910,00                                                                              |
| 5200006615      | 31.03.2012   | 35.834,97                                                                              |
| 5200006912      | 01.04.2012   | -35.834,97                                                                             |
| 5200014726      | 30.06.2012   | 35.735,00                                                                              |
| 5200015016      | 01.07.2012   | -35.735,00                                                                             |
| 5000002310      | 31.12.2017   | 35.710,26                                                                              |
| 5200033934      | 31.12.2013   | 35.651,90                                                                              |
| 5200000628      | 01.01.2014   | -35.651,90                                                                             |
| 5200005750      | 31.05.2003   | 35.635,67                                                                              |
| 5200005777      | 01.06.2003   | -35.635,67                                                                             |
| 5200020267      | 31.07.2015   | 35.568,60                                                                              |
| 5200020635      | 01.08.2015   | -35.568,60                                                                             |
| 5000002310      | 31.12.2017   | 35.549,00                                                                              |
| 5200020117      | 31.08.2012   | 35.268,85                                                                              |
| 5200020403      | 01.09.2012   | -35.268,85                                                                             |
| 5200004238      | 31.07.2001   | 35.187,19                                                                              |
| 5200005642      | 31.08.2001   | 35.187,19                                                                              |
| 5200004265      | 01.08.2001   | -35.187,19                                                                             |
| 5200005668      | 01.09.2001   | -35.187,19                                                                             |
| 5200015603      | 31.05.2013   | 35.086,58                                                                              |
| 5200015963      | 01.06.2013   | -35.086,58                                                                             |
| 5200013026      | 30.04.2013   | 35.007,25                                                                              |
| 5200013377      | 01.05.2013   | -35.007,25                                                                             |
| 5000002310      | 31.12.2017   | 35.000,00                                                                              |
| 5000002310      | 31.12.2017   | 35.000,00                                                                              |
| 5000002310      | 31.12.2017   | 35.000,00                                                                              |
| 5000002163      | 31.12.2017   | 34.982,00                                                                              |
| 5000002216      | 31.12.2017   | -34.982,00                                                                             |
| 5000002163      | 31.12.2017   | 34.965,93                                                                              |
| 5200021206      | 31.07.2013   | 34.948,04                                                                              |
| 5200021563      | 01.08.2013   | -34.948,04                                                                             |
| 5200012969      | 30.04.2013   | 34.879,64                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200013320      | 01.05.2013   | -34.879,64                                                                             |
| 5000002310      | 31.12.2017   | 34.753,50                                                                              |
| 5200009347      | 31.07.2002   | 34.665,18                                                                              |
| 5200010544      | 31.08.2002   | 34.665,18                                                                              |
| 5200009371      | 01.08.2002   | -34.665,18                                                                             |
| 5200010568      | 01.09.2002   | -34.665,18                                                                             |
| 5200001509      | 31.01.2014   | 34.597,50                                                                              |
| 5200001881      | 01.02.2014   | -34.597,50                                                                             |
| 5200042402      | 31.12.2017   | 34.582,70                                                                              |
| 5200005356      | 29.02.2016   | 34.548,71                                                                              |
| 5200005876      | 01.03.2016   | -34.548,71                                                                             |
| 5200010322      | 31.03.2013   | 34.509,31                                                                              |
| 5200010665      | 01.04.2013   | -34.509,31                                                                             |
| 5200031794      | 30.09.2017   | 34.341,07                                                                              |
| 5200032352      | 01.10.2017   | -34.341,07                                                                             |
| 2713403         | 30.09.1995   | 34.276,43                                                                              |
| 2713429         | 05.10.1995   | -34.276,43                                                                             |
| 5000001613      | 31.12.2014   | 34.200,00                                                                              |
| 5200025763      | 31.10.2012   | 34.197,62                                                                              |
| 5200026068      | 01.11.2012   | -34.197,62                                                                             |
| 5200010756      | 30.04.2016   | 34.115,47                                                                              |
| 5200011240      | 01.05.2016   | -34.115,47                                                                             |
| 5000002163      | 31.12.2017   | 34.103,71                                                                              |
| 5200004094      | 29.02.2012   | 34.081,69                                                                              |
| 5200004366      | 01.03.2012   | -34.081,69                                                                             |
| 5000002311      | 31.12.2017   | 34.000,00                                                                              |
| 5200008901      | 30.04.2012   | 33.980,51                                                                              |
| 5200009179      | 01.05.2012   | -33.980,51                                                                             |
| 5200020087      | 31.08.2012   | 33.926,21                                                                              |
| 5200020373      | 01.09.2012   | -33.926,21                                                                             |
| 5200017431      | 31.07.2012   | 33.913,17                                                                              |
| 5200017717      | 01.08.2012   | -33.913,17                                                                             |
| 5000002310      | 31.12.2017   | 33.892,65                                                                              |
| 5200004255      | 28.02.2014   | 33.886,27                                                                              |
| 5200004656      | 01.03.2014   | -33.886,27                                                                             |
| 5000002164      | 31.12.2017   | 33.839,00                                                                              |
| 5000002218      | 31.12.2017   | -33.839,00                                                                             |
| 5200040087      | 30.11.2017   | 33.741,78                                                                              |
| 5200040637      | 01.12.2017   | -33.741,78                                                                             |
| 5000002310      | 31.12.2017   | 33.720,00                                                                              |
| 5200012467      | 31.05.2014   | 33.681,13                                                                              |
| 5200012914      | 01.06.2014   | -33.681,13                                                                             |
| 5200020083      | 31.12.2011   | 33.680,00                                                                              |
| 5200000556      | 01.01.2012   | -33.680,00                                                                             |
| 5200013172      | 30.11.2003   | 33.662,65                                                                              |
| 5200013195      | 01.12.2003   | -33.662,65                                                                             |
| 5200018356      | 31.07.2014   | 33.661,74                                                                              |
| 5200018779      | 01.08.2014   | -33.661,74                                                                             |
| 5000002163      | 31.12.2017   | 33.660,00                                                                              |
| 5200008437      | 31.03.2016   | 33.631,35                                                                              |
| 5200008926      | 01.04.2016   | -33.631,35                                                                             |
| 5200031894      | 30.11.2015   | 33.600,00                                                                              |
| 5200032297      | 01.12.2015   | -33.600,00                                                                             |
| 5200037334      | 31.12.2001   | 33.539,39                                                                              |
| 5200000582      | 01.01.2002   | -33.539,39                                                                             |
| 5200014818      | 31.05.2015   | 33.454,77                                                                              |
| 5200015209      | 01.06.2015   | -33.454,77                                                                             |
| 5200021449      | 30.06.2017   | 33.450,28                                                                              |
| 5200022007      | 01.07.2017   | -33.450,28                                                                             |
| 5000002310      | 31.12.2017   | 33.391,77                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002164      | 31.12.2017   | 33.389,00                                                                              |
| 5000002218      | 31.12.2017   | -33.389,00                                                                             |
| 5200001729      | 31.05.2001   | 33.272,19                                                                              |
| 5200003137      | 30.06.2001   | 33.272,19                                                                              |
| 5200001756      | 01.06.2001   | -33.272,19                                                                             |
| 5200003175      | 01.07.2001   | -33.272,19                                                                             |
| 5200009590      | 30.04.2014   | 33.268,48                                                                              |
| 5200010012      | 01.05.2014   | -33.268,48                                                                             |
| 5000002163      | 31.12.2017   | 33.190,72                                                                              |
| 5000002310      | 31.12.2017   | 33.174,00                                                                              |
| 5000002163      | 31.12.2017   | 33.171,60                                                                              |
| 5200014431      | 31.05.2016   | 33.144,19                                                                              |
| 5200014906      | 01.06.2016   | -33.144,19                                                                             |
| 5200020148      | 31.12.2011   | 33.142,82                                                                              |
| 5200000621      | 01.01.2012   | -33.142,82                                                                             |
| 5000002163      | 31.12.2017   | 33.120,00                                                                              |
| 5000002216      | 31.12.2017   | -33.120,00                                                                             |
| 5200042664      | 31.12.2017   | 33.044,40                                                                              |
| 5000002163      | 31.12.2017   | 33.020,15                                                                              |
| 5000002216      | 31.12.2017   | -33.020,15                                                                             |
| 5200025901      | 31.10.2012   | 33.007,84                                                                              |
| 5200026206      | 01.11.2012   | -33.007,84                                                                             |
| 5000002004      | 31.12.2017   | 33.000,00                                                                              |
| 5000002310      | 31.12.2017   | 33.000,00                                                                              |
| 5000002310      | 31.12.2017   | 33.000,00                                                                              |
| 5000002310      | 31.12.2017   | 33.000,00                                                                              |
| 5000002317      | 31.12.2017   | 33.000,00                                                                              |
| 5200009788      | 30.04.2014   | 32.831,82                                                                              |
| 5200010210      | 01.05.2014   | -32.831,82                                                                             |
| 5200006555      | 31.03.2012   | 32.742,17                                                                              |
| 5200006852      | 01.04.2012   | -32.742,17                                                                             |
| 2706971         | 28.02.1995   | 32.730,26                                                                              |
| 2706992         | 07.03.1995   | -32.730,26                                                                             |
| 5000002317      | 31.12.2017   | 32.670,00                                                                              |
| 5200028117      | 31.08.2017   | 32.607,84                                                                              |
| 5200028679      | 01.09.2017   | -32.607,84                                                                             |
| 5000002311      | 31.12.2017   | 32.561,77                                                                              |
| 5000002311      | 31.12.2017   | 32.550,00                                                                              |
| 5200016616      | 30.06.2016   | 32.535,00                                                                              |
| 5200017077      | 01.07.2016   | -32.535,00                                                                             |
| 5200006829      | 31.03.2014   | 32.525,15                                                                              |
| 5200007235      | 01.04.2014   | -32.525,15                                                                             |
| 5000002311      | 31.12.2017   | 32.500,00                                                                              |
| 5200023819      | 31.08.2013   | 32.431,50                                                                              |
| 5200024172      | 01.09.2013   | -32.431,50                                                                             |
| 5200020441      | 31.07.2016   | 32.373,99                                                                              |
| 5200020911      | 01.08.2016   | -32.373,99                                                                             |
| 5200026529      | 30.09.2013   | 32.279,35                                                                              |
| 5200026898      | 01.10.2013   | -32.279,35                                                                             |
| 5000002163      | 31.12.2017   | 32.236,53                                                                              |
| 5200031709      | 30.11.2013   | 32.215,97                                                                              |
| 5200032065      | 01.12.2013   | -32.215,97                                                                             |
| 5200029178      | 31.10.2013   | 32.214,26                                                                              |
| 5200029520      | 01.11.2013   | -32.214,26                                                                             |
| 5000002216      | 31.12.2017   | -32.212,00                                                                             |
| 5000002163      | 31.12.2017   | 32.142,86                                                                              |
| 5000002216      | 31.12.2017   | -32.124,82                                                                             |
| 5200020089      | 31.12.2011   | 32.079,29                                                                              |
| 5200000562      | 01.01.2012   | -32.079,29                                                                             |
| 5000002310      | 31.12.2017   | 32.000,00                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002311      | 31.12.2017   | 31.930,38                                                                              |
| 5000002163      | 31.12.2017   | 31.930,00                                                                              |
| 5200029538      | 31.10.2016   | 31.921,30                                                                              |
| 5200029989      | 01.11.2016   | -31.921,30                                                                             |
| 5000002310      | 31.12.2017   | 31.837,38                                                                              |
| 5000002311      | 31.12.2017   | 31.711,00                                                                              |
| 5000002310      | 31.12.2017   | 31.658,00                                                                              |
| 5000002163      | 31.12.2017   | 31.649,02                                                                              |
| 5000002163      | 31.12.2017   | 31.613,32                                                                              |
| 5000002311      | 31.12.2017   | 31.532,05                                                                              |
| 5200006607      | 31.03.2012   | 31.423,16                                                                              |
| 5200006904      | 01.04.2012   | -31.423,16                                                                             |
| 5200031809      | 30.09.2017   | 31.422,44                                                                              |
| 5200032367      | 01.10.2017   | -31.422,44                                                                             |
| 5000002163      | 31.12.2017   | 31.320,00                                                                              |
| 2714378         | 01.11.1995   | 31.299,41                                                                              |
| 2714356         | 03.11.1995   | -31.299,41                                                                             |
| 5200009169      | 31.03.2017   | 31.285,45                                                                              |
| 5200009708      | 01.04.2017   | -31.285,45                                                                             |
| 5000002310      | 31.12.2017   | 31.270,00                                                                              |
| 5000002311      | 31.12.2017   | 31.250,00                                                                              |
| 5200006105      | 30.09.2001   | 31.226,39                                                                              |
| 5200006132      | 01.10.2001   | -31.226,39                                                                             |
| 5200008557      | 31.03.2016   | 31.187,26                                                                              |
| 5200009046      | 01.04.2016   | -31.187,26                                                                             |
| 2710565         | 30.06.1995   | 31.163,16                                                                              |
| 2710587         | 05.07.1995   | -31.163,16                                                                             |
| 5000002163      | 31.12.2017   | 31.147,20                                                                              |
| 5200037337      | 31.12.2001   | 31.102,21                                                                              |
| 5200000585      | 01.01.2002   | -31.102,21                                                                             |
| 5200006972      | 31.05.2002   | 31.070,18                                                                              |
| 5200006986      | 01.06.2002   | -31.070,18                                                                             |
| 5000002163      | 31.12.2017   | 31.032,66                                                                              |
| 5000002216      | 31.12.2017   | -31.032,66                                                                             |
| 5000002163      | 31.12.2017   | 31.029,78                                                                              |
| 5000002310      | 31.12.2017   | 31.019,00                                                                              |
| 5000002163      | 31.12.2017   | 31.000,00                                                                              |
| 5000002216      | 31.12.2017   | -31.000,00                                                                             |
| 5200004507      | 31.03.2002   | 30.972,14                                                                              |
| 5200004528      | 01.04.2002   | -30.972,14                                                                             |
| 5200020190      | 31.07.2015   | 30.949,12                                                                              |
| 5200020558      | 01.08.2015   | -30.949,12                                                                             |
| 5200010284      | 30.09.2003   | 30.909,73                                                                              |
| 5200010310      | 01.10.2003   | -30.909,73                                                                             |
| 5000002163      | 31.12.2017   | 30.900,00                                                                              |
| 5000002163      | 31.12.2017   | 30.900,00                                                                              |
| 5000002310      | 31.12.2017   | 30.887,39                                                                              |
| 5200002307      | 31.01.2015   | 30.790,50                                                                              |
| 5200002731      | 01.02.2015   | -30.790,50                                                                             |
| 5200023681      | 30.09.2014   | 30.756,85                                                                              |
| 5200024006      | 01.10.2014   | -30.756,85                                                                             |
| 5200010262      | 30.09.2003   | 30.747,53                                                                              |
| 5200010288      | 01.10.2003   | -30.747,53                                                                             |
| 5200035482      | 31.10.2017   | 30.734,39                                                                              |
| 5200036038      | 01.11.2017   | -30.734,39                                                                             |
| 5000002310      | 31.12.2017   | 30.685,00                                                                              |
| 5200003031      | 31.01.2013   | 30.664,30                                                                              |
| 5200003373      | 01.02.2013   | -30.664,30                                                                             |
| 5000002163      | 31.12.2017   | 30.649,00                                                                              |
| 5000002216      | 31.12.2017   | -30.649,00                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200015545      | 31.05.2013   | 30.625,03                                                                              |
| 5200015905      | 01.06.2013   | -30.625,03                                                                             |
| 2763336         | 31.12.1998   | 30.583,77                                                                              |
| 2763343         | 06.01.1999   | -30.583,77                                                                             |
| 5200018278      | 30.06.2013   | 30.518,64                                                                              |
| 5200018678      | 01.07.2013   | -30.518,64                                                                             |
| 5000002311      | 31.12.2017   | 30.500,00                                                                              |
| 5200006774      | 30.06.2003   | 30.473,40                                                                              |
| 5200006800      | 01.07.2003   | -30.473,40                                                                             |
| 5200031959      | 30.11.2015   | 30.439,36                                                                              |
| 5200032362      | 01.12.2015   | -30.439,36                                                                             |
| 5200011951      | 31.05.2012   | 30.277,43                                                                              |
| 5200012225      | 01.06.2012   | -30.277,43                                                                             |
| 5200026511      | 30.09.2013   | 30.119,31                                                                              |
| 5200026880      | 01.10.2013   | -30.119,31                                                                             |
| 5000002311      | 31.12.2017   | 30.085,48                                                                              |
| 5000002311      | 31.12.2017   | 30.072,49                                                                              |
| 5000002310      | 31.12.2017   | 30.052,59                                                                              |
| 5200010271      | 31.03.2013   | 30.045,74                                                                              |
| 5200010614      | 01.04.2013   | -30.045,74                                                                             |
| 5200028504      | 31.10.2015   | 30.045,12                                                                              |
| 5000002163      | 31.12.2017   | 30.000,00                                                                              |
| 5000002163      | 31.12.2017   | 30.000,00                                                                              |
| 5000002163      | 31.12.2017   | 30.000,00                                                                              |
| 5000002163      | 31.12.2017   | 30.000,00                                                                              |
| 5000002310      | 31.12.2017   | 30.000,00                                                                              |
| 5000002310      | 31.12.2017   | 30.000,00                                                                              |
| 5000002310      | 31.12.2017   | 30.000,00                                                                              |
| 5000002310      | 31.12.2017   | 30.000,00                                                                              |
| 5000002311      | 31.12.2017   | 30.000,00                                                                              |
| 5000002311      | 31.12.2017   | 30.000,00                                                                              |
| 5000002311      | 31.12.2017   | 30.000,00                                                                              |
| 5000002311      | 31.12.2017   | 30.000,00                                                                              |
| 5000002311      | 31.12.2017   | 30.000,00                                                                              |
| 5000002317      | 31.12.2017   | 30.000,00                                                                              |
| 5000002317      | 31.12.2017   | 30.000,00                                                                              |
| 5000002172      | 31.12.2017   | -30.000,00                                                                             |
| 5000002216      | 31.12.2017   | -30.000,00                                                                             |
| 5000002311      | 31.12.2017   | 29.971,84                                                                              |
| 5200018392      | 30.06.2013   | 29.968,16                                                                              |
| 5200018792      | 01.07.2013   | -29.968,16                                                                             |
| 5000002163      | 31.12.2017   | 29.946,63                                                                              |
| 5200002277      | 31.01.2012   | 29.939,63                                                                              |
| 5200002520      | 01.02.2012   | -29.939,63                                                                             |
| 5000002310      | 31.12.2017   | 29.935,00                                                                              |
| 5000002311      | 31.12.2017   | 29.878,00                                                                              |
| 5200005900      | 28.02.2017   | 29.830,79                                                                              |
| 5200006443      | 01.03.2017   | -29.830,79                                                                             |
| 5000002163      | 31.12.2017   | 29.828,80                                                                              |
| 5000002216      | 31.12.2017   | -29.828,80                                                                             |
| 5000002310      | 31.12.2017   | 29.762,00                                                                              |
| 5200033773      | 31.12.2013   | 29.704,47                                                                              |
| 5200000467      | 01.01.2014   | -29.704,47                                                                             |
| 5200029224      | 31.10.2013   | 29.699,88                                                                              |
| 5200029566      | 01.11.2013   | -29.699,88                                                                             |
| 5000002310      | 31.12.2017   | 29.599,97                                                                              |
| 5200035467      | 31.10.2017   | 29.591,03                                                                              |
| 5200036023      | 01.11.2017   | -29.591,03                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001730      | 31.05.2001   | 29.578,03                                                                              |
| 5200001757      | 01.06.2001   | -29.578,03                                                                             |
| 5200031135      | 31.12.2014   | 29.541,35                                                                              |
| 5200000462      | 01.01.2015   | -29.541,35                                                                             |
| 5000002311      | 31.12.2017   | 29.345,35                                                                              |
| 5000002163      | 31.12.2017   | 29.301,44                                                                              |
| 5200004682      | 30.04.2003   | 29.240,99                                                                              |
| 5200004710      | 01.05.2003   | -29.240,99                                                                             |
| 5000002310      | 31.12.2017   | 29.217,80                                                                              |
| 5000002310      | 31.12.2017   | 29.217,80                                                                              |
| 5000002310      | 31.12.2017   | 29.065,25                                                                              |
| 5200020084      | 31.12.2011   | 29.064,53                                                                              |
| 5200000557      | 01.01.2012   | -29.064,53                                                                             |
| 5200031903      | 30.09.2017   | 28.963,87                                                                              |
| 5200032461      | 01.10.2017   | -28.963,87                                                                             |
| 5200022140      | 30.09.2012   | 28.954,30                                                                              |
| 5200022434      | 01.10.2012   | -28.954,30                                                                             |
| 5200006974      | 31.05.2002   | 28.949,95                                                                              |
| 5200006988      | 01.06.2002   | -28.949,95                                                                             |
| 5200021151      | 31.07.2013   | 28.906,44                                                                              |
| 5200021508      | 01.08.2013   | -28.906,44                                                                             |
| 5200025808      | 31.10.2012   | 28.745,29                                                                              |
| 5200026113      | 01.11.2012   | -28.745,29                                                                             |
| 5200022881      | 31.08.2015   | 28.713,40                                                                              |
| 5200023261      | 01.09.2015   | -28.713,40                                                                             |
| 5200003624      | 31.03.2003   | 28.641,66                                                                              |
| 5200003651      | 01.04.2003   | -28.641,66                                                                             |
| 5200012954      | 31.10.2002   | 28.628,09                                                                              |
| 5200012976      | 01.11.2002   | -28.628,09                                                                             |
| 5000002310      | 31.12.2017   | 28.525,54                                                                              |
| 5000002004      | 31.12.2017   | 28.500,00                                                                              |
| 5200006107      | 30.09.2001   | 28.433,57                                                                              |
| 5200006134      | 01.10.2001   | -28.433,57                                                                             |
| 5200001453      | 31.01.2016   | 28.404,17                                                                              |
| 5200001944      | 01.02.2016   | -28.404,17                                                                             |
| 5000002310      | 31.12.2017   | 28.387,00                                                                              |
| 5000002163      | 31.12.2017   | 28.337,00                                                                              |
| 5000002163      | 31.12.2017   | 28.300,00                                                                              |
| 5000002216      | 31.12.2017   | -28.300,00                                                                             |
| 5200017550      | 31.07.2012   | 28.272,68                                                                              |
| 5200017836      | 01.08.2012   | -28.272,68                                                                             |
| 5200031655      | 30.11.2013   | 28.257,65                                                                              |
| 5200032011      | 01.12.2013   | -28.257,65                                                                             |
| 5200005274      | 29.02.2016   | 28.207,12                                                                              |
| 5200005794      | 01.03.2016   | -28.207,12                                                                             |
| 5200030963      | 31.12.2012   | 28.093,71                                                                              |
| 5200000580      | 01.01.2013   | -28.093,71                                                                             |
| 5000002163      | 31.12.2017   | 28.000,34                                                                              |
| 5200023572      | 30.09.2014   | 27.965,35                                                                              |
| 5200023897      | 01.10.2014   | -27.965,35                                                                             |
| 5200014114      | 30.11.2002   | 27.914,72                                                                              |
| 5200014137      | 01.12.2002   | -27.914,72                                                                             |
| 2706972         | 28.02.1995   | 27.831,93                                                                              |
| 2706993         | 07.03.1995   | -27.831,93                                                                             |
| 5200028675      | 30.11.2012   | 27.827,79                                                                              |
| 5200022960      | 31.08.2015   | 27.827,79                                                                              |
| 5200028984      | 01.12.2012   | -27.827,79                                                                             |
| 5200023340      | 01.09.2015   | -27.827,79                                                                             |
| 5200004599      | 28.02.2015   | 27.817,82                                                                              |
| 5200005030      | 01.03.2015   | -27.817,82                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200011785      | 31.10.2003   | 27.737,92                                                                              |
| 5200011809      | 01.11.2003   | -27.737,92                                                                             |
| 5000002310      | 31.12.2017   | 27.638,10                                                                              |
| 5200004028      | 29.02.2012   | 27.581,05                                                                              |
| 5200004300      | 01.03.2012   | -27.581,05                                                                             |
| 5000002310      | 31.12.2017   | 27.560,00                                                                              |
| 5000002310      | 31.12.2017   | 27.378,00                                                                              |
| 5200004114      | 28.02.2014   | 27.283,10                                                                              |
| 5200004515      | 01.03.2014   | -27.283,10                                                                             |
| 5200006884      | 31.03.2014   | 27.242,95                                                                              |
| 5200007290      | 01.04.2014   | -27.242,95                                                                             |
| 5000002310      | 31.12.2017   | 27.229,32                                                                              |
| 5000002310      | 31.12.2017   | 27.213,00                                                                              |
| 5200035579      | 31.10.2017   | 27.130,85                                                                              |
| 5200036135      | 01.11.2017   | -27.130,85                                                                             |
| 5200020158      | 31.12.2011   | 27.081,58                                                                              |
| 5200000631      | 01.01.2012   | -27.081,58                                                                             |
| 5200022095      | 30.09.2012   | 27.046,95                                                                              |
| 5200022389      | 01.10.2012   | -27.046,95                                                                             |
| 5000002163      | 31.12.2017   | 27.046,00                                                                              |
| 5200017429      | 31.07.2012   | 27.011,87                                                                              |
| 5200017715      | 01.08.2012   | -27.011,87                                                                             |
| 5000002163      | 31.12.2017   | 27.000,00                                                                              |
| 5200000005      | 30.04.2001   | 26.996,21                                                                              |
| 5200000032      | 01.05.2001   | -26.996,21                                                                             |
| 5000002163      | 31.12.2017   | 26.960,00                                                                              |
| 5000002216      | 31.12.2017   | -26.960,00                                                                             |
| 5200033848      | 31.12.2013   | 26.904,22                                                                              |
| 5200000542      | 01.01.2014   | -26.904,22                                                                             |
| 5000002317      | 31.12.2017   | 26.900,00                                                                              |
| 5200042651      | 31.12.2017   | 26.865,00                                                                              |
| 5000002310      | 31.12.2017   | 26.800,00                                                                              |
| 5200005738      | 30.04.2002   | 26.737,63                                                                              |
| 5200005761      | 01.05.2002   | -26.737,63                                                                             |
| 5000002163      | 31.12.2017   | 26.673,70                                                                              |
| 5000002163      | 31.12.2017   | 26.650,00                                                                              |
| 5000002216      | 31.12.2017   | -26.650,00                                                                             |
| 2705212         | 31.12.1994   | 26.605,08                                                                              |
| 2705232         | 02.01.1995   | -26.605,08                                                                             |
| 5200023401      | 31.08.2016   | 26.576,51                                                                              |
| 5200023864      | 01.09.2016   | -26.576,51                                                                             |
| 5200031295      | 31.12.2014   | 26.572,87                                                                              |
| 5200010238      | 31.03.2013   | 26.539,67                                                                              |
| 5200010581      | 01.04.2013   | -26.539,67                                                                             |
| 5000002163      | 31.12.2017   | 26.534,00                                                                              |
| 5200007390      | 28.02.2013   | 26.531,86                                                                              |
| 5200007723      | 01.03.2013   | -26.531,86                                                                             |
| 5200042498      | 31.12.2017   | 26.513,38                                                                              |
| 5200001639      | 31.01.2016   | 26.441,98                                                                              |
| 5200002130      | 01.02.2016   | -26.441,98                                                                             |
| 4000377317      | 30.11.2015   | -26.384,87                                                                             |
| 5200023761      | 31.08.2013   | 26.366,74                                                                              |
| 5200024114      | 01.09.2013   | -26.366,74                                                                             |
| 5200031569      | 30.11.2013   | 26.350,19                                                                              |
| 5200031925      | 01.12.2013   | -26.350,19                                                                             |
| 5200020944      | 31.08.2014   | 26.018,41                                                                              |
| 5200021377      | 01.09.2014   | -26.018,41                                                                             |
| 5000002157      | 31.12.2017   | 26.000,00                                                                              |
| 5000002311      | 31.12.2017   | 26.000,00                                                                              |
| 5000002311      | 31.12.2017   | 26.000,00                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200015278      | 30.06.2014   | 25.989,50                                                                              |
| 5200015708      | 01.07.2014   | -25.989,50                                                                             |
| 5200009644      | 30.04.2014   | 25.950,49                                                                              |
| 5200012335      | 31.05.2014   | 25.950,49                                                                              |
| 5200010066      | 01.05.2014   | -25.950,49                                                                             |
| 5200012782      | 01.06.2014   | -25.950,49                                                                             |
| 5200018224      | 31.07.2014   | 25.944,61                                                                              |
| 5200018647      | 01.08.2014   | -25.944,61                                                                             |
| 5000002310      | 31.12.2017   | 25.898,00                                                                              |
| 5200014637      | 30.06.2012   | 25.880,66                                                                              |
| 5200014927      | 01.07.2012   | -25.880,66                                                                             |
| 5200007337      | 28.02.2013   | 25.835,77                                                                              |
| 5200007670      | 01.03.2013   | -25.835,77                                                                             |
| 5200021259      | 31.07.2013   | 25.812,63                                                                              |
| 5200021616      | 01.08.2013   | -25.812,63                                                                             |
| 2712481         | 31.08.1995   | 25.800,34                                                                              |
| 2712505         | 04.09.1995   | -25.800,34                                                                             |
| 5000002311      | 31.12.2017   | 25.787,55                                                                              |
| 5200017564      | 30.06.2015   | 25.750,17                                                                              |
| 5200017917      | 01.07.2015   | -25.750,17                                                                             |
| 5200001396      | 31.01.2014   | 25.730,50                                                                              |
| 5200001768      | 01.02.2014   | -25.730,50                                                                             |
| 5200006541      | 31.03.2012   | 25.726,08                                                                              |
| 5200006838      | 01.04.2012   | -25.726,08                                                                             |
| 5000002163      | 31.12.2017   | 25.666,87                                                                              |
| 5200014298      | 31.12.2003   | 25.656,51                                                                              |
| 5200000394      | 01.01.2004   | -25.656,51                                                                             |
| 5000002311      | 31.12.2017   | 25.600,36                                                                              |
| 5000002311      | 31.12.2017   | 25.600,00                                                                              |
| 5200018274      | 30.06.2013   | 25.570,01                                                                              |
| 5200018674      | 01.07.2013   | -25.570,01                                                                             |
| 5200004508      | 31.03.2002   | 25.560,61                                                                              |
| 5200004529      | 01.04.2002   | -25.560,61                                                                             |
| 5200022094      | 30.09.2012   | 25.522,77                                                                              |
| 5200022388      | 01.10.2012   | -25.522,77                                                                             |
| 5000000040      | 20.01.2017   | 25.500,00                                                                              |
| 5000002163      | 31.12.2017   | 25.500,00                                                                              |
| 5000002310      | 31.12.2017   | 25.500,00                                                                              |
| 5000002311      | 31.12.2017   | 25.490,06                                                                              |
| 5000002163      | 31.12.2017   | 25.480,00                                                                              |
| 5000002216      | 31.12.2017   | -25.480,00                                                                             |
| 5000002163      | 31.12.2017   | 25.307,50                                                                              |
| 5000002216      | 31.12.2017   | -25.307,50                                                                             |
| 5000002163      | 31.12.2017   | 25.300,00                                                                              |
| 5200018188      | 30.06.2013   | 25.246,69                                                                              |
| 5200018588      | 01.07.2013   | -25.246,69                                                                             |
| 2709658         | 31.05.1995   | 25.230,15                                                                              |
| 2709680         | 06.06.1995   | -25.230,15                                                                             |
| 5200028786      | 30.11.2014   | 25.182,49                                                                              |
| 5200029150      | 01.12.2014   | -25.182,49                                                                             |
| 5000002317      | 31.12.2017   | 25.181,22                                                                              |
| 5200033806      | 31.12.2015   | 25.176,30                                                                              |
| 5200000520      | 01.01.2016   | -25.176,30                                                                             |
| 5200002669      | 31.01.2017   | 25.123,73                                                                              |
| 5200003219      | 01.02.2017   | -25.123,73                                                                             |
| 5000002310      | 31.12.2017   | 25.100,00                                                                              |
| 5200028970      | 30.11.2014   | 25.050,59                                                                              |
| 5200029334      | 01.12.2014   | -25.050,59                                                                             |
| 5000002310      | 31.12.2017   | 25.043,83                                                                              |
| 5200026200      | 30.09.2015   | 25.015,93                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026615      | 01.10.2015   | -25.015,93                                                                             |
| 5000002157      | 31.12.2017   | 25.000,00                                                                              |
| 5000002163      | 31.12.2017   | 25.000,00                                                                              |
| 5000002163      | 31.12.2017   | 25.000,00                                                                              |
| 5000002163      | 31.12.2017   | 25.000,00                                                                              |
| 5000002164      | 31.12.2017   | 25.000,00                                                                              |
| 5000002310      | 31.12.2017   | 25.000,00                                                                              |
| 5000002310      | 31.12.2017   | 25.000,00                                                                              |
| 5000002310      | 31.12.2017   | 25.000,00                                                                              |
| 5000002310      | 31.12.2017   | 25.000,00                                                                              |
| 5000002310      | 31.12.2017   | 25.000,00                                                                              |
| 5000002310      | 31.12.2017   | 25.000,00                                                                              |
| 5000002311      | 31.12.2017   | 25.000,00                                                                              |
| 5000002310      | 31.12.2017   | 24.947,76                                                                              |
| 5200014859      | 31.05.2015   | 24.794,74                                                                              |
| 5200015250      | 01.06.2015   | -24.794,74                                                                             |
| 2708004         | 31.03.1995   | 24.750,85                                                                              |
| 2707929         | 07.04.1995   | -24.750,85                                                                             |
| 5000002163      | 31.12.2017   | 24.750,00                                                                              |
| 5000002163      | 31.12.2017   | 24.750,00                                                                              |
| 5000002163      | 31.12.2017   | 24.720,00                                                                              |
| 5200015220      | 30.06.2014   | 24.710,94                                                                              |
| 5200015650      | 01.07.2014   | -24.710,94                                                                             |
| 5000002310      | 31.12.2017   | 24.709,91                                                                              |
| 5200004138      | 28.02.2014   | 24.677,60                                                                              |
| 5200004539      | 01.03.2014   | -24.677,60                                                                             |
| 5000002310      | 31.12.2017   | 24.626,43                                                                              |
| 5200017735      | 31.05.2017   | 24.606,28                                                                              |
| 5200018296      | 01.06.2017   | -24.606,28                                                                             |
| 5000002163      | 31.12.2017   | 24.584,04                                                                              |
| 5200002515      | 28.02.2003   | 24.566,14                                                                              |
| 5200002542      | 01.03.2003   | -24.566,14                                                                             |
| 5200002983      | 31.01.2013   | 24.343,28                                                                              |
| 5200003325      | 01.02.2013   | -24.343,28                                                                             |
| 5200029125      | 31.10.2013   | 24.336,30                                                                              |
| 5200029467      | 01.11.2013   | -24.336,30                                                                             |
| 5200022125      | 30.09.2012   | 24.319,02                                                                              |
| 5200022419      | 01.10.2012   | -24.319,02                                                                             |
| 5200015170      | 30.06.2014   | 24.306,42                                                                              |
| 5200015600      | 01.07.2014   | -24.306,42                                                                             |
| 5200013075      | 30.04.2013   | 24.253,75                                                                              |
| 5200013426      | 01.05.2013   | -24.253,75                                                                             |
| 5000002311      | 31.12.2017   | 24.160,00                                                                              |
| 5000002163      | 31.12.2017   | 24.080,00                                                                              |
| 5000002310      | 31.12.2017   | 24.000,00                                                                              |
| 5000002310      | 31.12.2017   | 24.000,00                                                                              |
| 5000002311      | 31.12.2017   | 23.972,37                                                                              |
| 5200011780      | 31.10.2003   | 23.879,33                                                                              |
| 5200011804      | 01.11.2003   | -23.879,33                                                                             |
| 5200029025      | 31.10.2015   | 23.765,38                                                                              |
| 5200029433      | 01.11.2015   | -23.765,38                                                                             |
| 5200023323      | 31.08.2016   | 23.744,22                                                                              |
| 5200023786      | 01.09.2016   | -23.744,22                                                                             |
| 5200014544      | 31.05.2016   | 23.724,96                                                                              |
| 5200015019      | 01.06.2016   | -23.724,96                                                                             |
| 5200002309      | 31.01.2015   | 23.698,35                                                                              |
| 5200002733      | 01.02.2015   | -23.698,35                                                                             |
| 5200042656      | 31.12.2017   | 23.675,90                                                                              |
| 5000002218      | 31.12.2017   | -23.640,00                                                                             |
| 2710561         | 30.06.1995   | 23.603,99                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2710583         | 05.07.1995   | -23.603,99                                                                             |
| 5200003630      | 31.03.2003   | 23.532,19                                                                              |
| 5200003657      | 01.04.2003   | -23.532,19                                                                             |
| 5200022953      | 31.08.2015   | 23.527,51                                                                              |
| 5200023333      | 01.09.2015   | -23.527,51                                                                             |
| 5200005264      | 29.02.2016   | 23.474,02                                                                              |
| 5200005784      | 01.03.2016   | -23.474,02                                                                             |
| 5000002310      | 31.12.2017   | 23.412,82                                                                              |
| 5200013719      | 30.04.2017   | 23.397,83                                                                              |
| 5200014276      | 01.05.2017   | -23.397,83                                                                             |
| 5000002311      | 31.12.2017   | 23.388,00                                                                              |
| 5000002311      | 31.12.2017   | 23.368,39                                                                              |
| 5200022424      | 31.08.2015   | -23.341,02                                                                             |
| 5200033737      | 31.12.2015   | 23.321,79                                                                              |
| 5200000451      | 01.01.2016   | -23.321,79                                                                             |
| 5000002004      | 31.12.2017   | 23.269,65                                                                              |
| 5000002004      | 31.12.2017   | 23.269,65                                                                              |
| 5000002310      | 31.12.2017   | 23.155,38                                                                              |
| 5000002310      | 31.12.2017   | 23.064,00                                                                              |
| 5200026313      | 31.10.2014   | 23.002,47                                                                              |
| 5200026666      | 01.11.2014   | -23.002,47                                                                             |
| 5200023678      | 30.09.2014   | 23.000,85                                                                              |
| 5200024003      | 01.10.2014   | -23.000,85                                                                             |
| 5000002311      | 31.12.2017   | 23.000,00                                                                              |
| 5000002311      | 31.12.2017   | 23.000,00                                                                              |
| 5000002317      | 31.12.2017   | 23.000,00                                                                              |
| 5200009659      | 30.04.2014   | 22.972,64                                                                              |
| 5200010081      | 01.05.2014   | -22.972,64                                                                             |
| 5200021260      | 31.07.2013   | 22.905,21                                                                              |
| 5200021617      | 01.08.2013   | -22.905,21                                                                             |
| 5000002216      | 31.12.2017   | -22.878,36                                                                             |
| 5200042658      | 31.12.2017   | 22.855,36                                                                              |
| 5000002311      | 31.12.2017   | -22.848,32                                                                             |
| 5000002311      | 31.12.2017   | 22.787,00                                                                              |
| 5200004029      | 29.02.2012   | 22.722,45                                                                              |
| 5200004301      | 01.03.2012   | -22.722,45                                                                             |
| 2713394         | 30.09.1995   | 22.695,19                                                                              |
| 2713420         | 05.10.1995   | -22.695,19                                                                             |
| 5000002311      | 31.12.2017   | 22.666,00                                                                              |
| 5000002311      | 31.12.2017   | 22.500,00                                                                              |
| 5200021516      | 30.06.2017   | 22.492,49                                                                              |
| 5200022074      | 01.07.2017   | -22.492,49                                                                             |
| 5200008947      | 31.08.2003   | 22.480,77                                                                              |
| 5200008973      | 01.09.2003   | -22.480,77                                                                             |
| 5200001452      | 31.01.2016   | 22.340,44                                                                              |
| 5200001943      | 01.02.2016   | -22.340,44                                                                             |
| 5000002310      | 31.12.2017   | 22.300,00                                                                              |
| 5200026573      | 30.09.2013   | 22.252,62                                                                              |
| 5200026942      | 01.10.2013   | -22.252,62                                                                             |
| 5200033795      | 31.12.2015   | 22.233,81                                                                              |
| 5200001526      | 31.01.2016   | 22.233,81                                                                              |
| 5200000509      | 01.01.2016   | -22.233,81                                                                             |
| 5200002017      | 01.02.2016   | -22.233,81                                                                             |
| 5000002310      | 31.12.2017   | 22.120,75                                                                              |
| 5000002310      | 31.12.2017   | 22.050,00                                                                              |
| 5200008940      | 31.08.2003   | 22.043,05                                                                              |
| 5200008966      | 01.09.2003   | -22.043,05                                                                             |
| 5000002163      | 31.12.2017   | 22.000,00                                                                              |
| 5000002232      | 31.12.2017   | -22.000,00                                                                             |
| 5200009543      | 30.04.2014   | 21.997,93                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200009965      | 01.05.2014   | -21.997,93                                                                             |
| 5200031882      | 30.11.2015   | 21.940,94                                                                              |
| 5200032285      | 01.12.2015   | -21.940,94                                                                             |
| 5200025778      | 31.10.2012   | 21.901,85                                                                              |
| 5200026083      | 01.11.2012   | -21.901,85                                                                             |
| 5200010869      | 30.04.2016   | 21.887,82                                                                              |
| 5200011353      | 01.05.2016   | -21.887,82                                                                             |
| 5200028210      | 31.08.2017   | 21.884,46                                                                              |
| 5200028772      | 01.09.2017   | -21.884,46                                                                             |
| 2714372         | 01.11.1995   | 21.855,20                                                                              |
| 2714350         | 03.11.1995   | -21.855,20                                                                             |
| 5000002163      | 31.12.2017   | 21.845,89                                                                              |
| 5000002216      | 31.12.2017   | -21.845,89                                                                             |
| 5000002311      | 31.12.2017   | 21.843,00                                                                              |
| 5000002163      | 31.12.2017   | 21.836,00                                                                              |
| 5200024469      | 31.07.2017   | 21.835,97                                                                              |
| 5200025018      | 01.08.2017   | -21.835,97                                                                             |
| 5200020121      | 31.07.2015   | 21.767,70                                                                              |
| 5200020489      | 01.08.2015   | -21.767,70                                                                             |
| 5200026478      | 30.09.2013   | 21.765,56                                                                              |
| 5200026847      | 01.10.2013   | -21.765,56                                                                             |
| 5000002163      | 31.12.2017   | 21.760,00                                                                              |
| 5000002310      | 31.12.2017   | 21.700,00                                                                              |
| 5200005751      | 31.05.2003   | 21.656,37                                                                              |
| 5200005778      | 01.06.2003   | -21.656,37                                                                             |
| 5000002311      | 31.12.2017   | 21.500,00                                                                              |
| 5000002163      | 31.12.2017   | 21.475,09                                                                              |
| 5200005485      | 29.02.2016   | 21.413,84                                                                              |
| 5200006005      | 01.03.2016   | -21.413,84                                                                             |
| 5200022136      | 30.09.2012   | 21.339,25                                                                              |
| 5200022430      | 01.10.2012   | -21.339,25                                                                             |
| 5200003633      | 31.03.2003   | 21.328,22                                                                              |
| 5200003660      | 01.04.2003   | -21.328,22                                                                             |
| 5000002163      | 31.12.2017   | 21.316,06                                                                              |
| 5000002218      | 31.12.2017   | -21.300,00                                                                             |
| 5000002310      | 31.12.2017   | 21.271,50                                                                              |
| 5200017551      | 31.07.2012   | 21.244,92                                                                              |
| 5200017837      | 01.08.2012   | -21.244,92                                                                             |
| 5200003196      | 28.02.2002   | 21.215,75                                                                              |
| 5200003224      | 01.03.2002   | -21.215,75                                                                             |
| 5000002311      | 31.12.2017   | 21.194,78                                                                              |
| 5200006001      | 28.02.2017   | 21.098,34                                                                              |
| 5200006544      | 01.03.2017   | -21.098,34                                                                             |
| 5200016704      | 30.06.2016   | 21.064,27                                                                              |
| 5200017165      | 01.07.2016   | -21.064,27                                                                             |
| 5200014345      | 31.05.2016   | 21.047,61                                                                              |
| 5200014820      | 01.06.2016   | -21.047,61                                                                             |
| 5200002755      | 31.01.2017   | 21.022,29                                                                              |
| 5200003305      | 01.02.2017   | -21.022,29                                                                             |
| 5200003143      | 31.01.2013   | 21.007,36                                                                              |
| 5200003484      | 01.02.2013   | -21.007,36                                                                             |
| 5000002164      | 31.12.2017   | 21.000,00                                                                              |
| 5000002311      | 31.12.2017   | 21.000,00                                                                              |
| 5000002218      | 31.12.2017   | -21.000,00                                                                             |
| 5200006653      | 31.03.2012   | 20.954,84                                                                              |
| 5200006950      | 01.04.2012   | -20.954,84                                                                             |
| 5200013624      | 30.04.2017   | 20.890,41                                                                              |
| 5200014181      | 01.05.2017   | -20.890,41                                                                             |
| 5000002163      | 31.12.2017   | 20.872,00                                                                              |
| 5000002310      | 31.12.2017   | 20.869,86                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002311      | 31.12.2017   | 20.869,86                                                                              |
| 5000002163      | 31.12.2017   | 20.869,00                                                                              |
| 5000002310      | 31.12.2017   | 20.855,00                                                                              |
| 5000002310      | 31.12.2017   | 20.827,00                                                                              |
| 5200020897      | 31.08.2014   | 20.824,06                                                                              |
| 5200021330      | 01.09.2014   | -20.824,06                                                                             |
| 5000002163      | 31.12.2017   | 20.764,80                                                                              |
| 5000002163      | 31.12.2017   | 20.764,80                                                                              |
| 5200018176      | 31.07.2014   | 20.730,42                                                                              |
| 5200018599      | 01.08.2014   | -20.730,42                                                                             |
| 5000002163      | 31.12.2017   | 20.679,00                                                                              |
| 5000002216      | 31.12.2017   | -20.679,00                                                                             |
| 5200013169      | 30.11.2003   | 20.630,63                                                                              |
| 5200013192      | 01.12.2003   | -20.630,63                                                                             |
| 5000002163      | 31.12.2017   | 20.622,00                                                                              |
| 5200035645      | 31.10.2017   | 20.621,68                                                                              |
| 5200036201      | 01.11.2017   | -20.621,68                                                                             |
| 5000002163      | 31.12.2017   | 20.600,00                                                                              |
| 5200014280      | 31.12.2003   | 20.583,24                                                                              |
| 5200000376      | 01.01.2004   | -20.583,24                                                                             |
| 5200014705      | 31.12.2002   | 20.519,31                                                                              |
| 5200000481      | 01.01.2003   | -20.519,31                                                                             |
| 5000002310      | 31.12.2017   | 20.380,00                                                                              |
| 5200011949      | 31.05.2012   | 20.349,31                                                                              |
| 5200012223      | 01.06.2012   | -20.349,31                                                                             |
| 5200026391      | 30.09.2013   | 20.333,61                                                                              |
| 5200026760      | 01.10.2013   | -20.333,61                                                                             |
| 5200017462      | 31.07.2012   | 20.323,94                                                                              |
| 5200017748      | 01.08.2012   | -20.323,94                                                                             |
| 5200004140      | 29.02.2012   | 20.300,08                                                                              |
| 5200004412      | 01.03.2012   | -20.300,08                                                                             |
| 5000002311      | 31.12.2017   | 20.292,00                                                                              |
| 5200012054      | 31.05.2012   | 20.238,66                                                                              |
| 5200012328      | 01.06.2012   | -20.238,66                                                                             |
| 5200026248      | 30.09.2015   | 20.196,78                                                                              |
| 5200026663      | 01.10.2015   | -20.196,78                                                                             |
| 5200020113      | 31.08.2012   | 20.188,64                                                                              |
| 5200020399      | 01.09.2012   | -20.188,64                                                                             |
| 5200004146      | 29.02.2012   | 20.129,87                                                                              |
| 5200004418      | 01.03.2012   | -20.129,87                                                                             |
| 5200007513      | 28.02.2013   | 20.107,32                                                                              |
| 5200007846      | 01.03.2013   | -20.107,32                                                                             |
| 5200007420      | 28.02.2013   | 20.106,99                                                                              |
| 5200007753      | 01.03.2013   | -20.106,99                                                                             |
| 5200031982      | 30.11.2015   | 20.028,96                                                                              |
| 5200032385      | 01.12.2015   | -20.028,96                                                                             |
| 5200020106      | 31.08.2012   | 20.006,99                                                                              |
| 5200020392      | 01.09.2012   | -20.006,99                                                                             |
| 5000002164      | 31.12.2017   | 20.000,00                                                                              |
| 5000002310      | 31.12.2017   | 20.000,00                                                                              |
| 5000002310      | 31.12.2017   | 20.000,00                                                                              |
| 5000002310      | 31.12.2017   | 20.000,00                                                                              |
| 5000002310      | 31.12.2017   | 20.000,00                                                                              |
| 5000002311      | 31.12.2017   | 20.000,00                                                                              |
| 5000002311      | 31.12.2017   | 20.000,00                                                                              |
| 5000002317      | 31.12.2017   | 20.000,00                                                                              |
| 5200007398      | 28.02.2013   | 19.932,11                                                                              |
| 5200007731      | 01.03.2013   | -19.932,11                                                                             |
| 5200014757      | 30.06.2012   | 19.918,27                                                                              |
| 5200015047      | 01.07.2012   | -19.918,27                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002216      | 31.12.2017   | -19.901,00                                                                             |
| 5000002310      | 31.12.2017   | 19.879,14                                                                              |
| 5000002310      | 31.12.2017   | 19.868,10                                                                              |
| 5000002317      | 31.12.2017   | 19.800,00                                                                              |
| 5200028720      | 30.11.2012   | 19.742,11                                                                              |
| 5200029029      | 01.12.2012   | -19.742,11                                                                             |
| 5200002190      | 31.01.2012   | 19.700,34                                                                              |
| 5200002433      | 01.02.2012   | -19.700,34                                                                             |
| 5200020544      | 31.07.2016   | 19.693,17                                                                              |
| 5200021014      | 01.08.2016   | -19.693,17                                                                             |
| 5200018237      | 30.06.2013   | 19.673,70                                                                              |
| 5200018637      | 01.07.2013   | -19.673,70                                                                             |
| 5200014710      | 31.05.2015   | 19.665,57                                                                              |
| 5200015101      | 01.06.2015   | -19.665,57                                                                             |
| 5000002310      | 31.12.2017   | 19.607,00                                                                              |
| 5200007510      | 28.02.2013   | 19.577,54                                                                              |
| 5200007843      | 01.03.2013   | -19.577,54                                                                             |
| 5000002311      | 31.12.2017   | 19.577,00                                                                              |
| 5200042647      | 31.12.2017   | 19.569,65                                                                              |
| 5200001420      | 31.01.2002   | 19.558,46                                                                              |
| 5200001461      | 01.02.2002   | -19.558,46                                                                             |
| 5000002311      | 31.12.2017   | 19.545,00                                                                              |
| 5000002310      | 31.12.2017   | 19.492,00                                                                              |
| 5200023721      | 31.08.2013   | 19.490,60                                                                              |
| 5200024074      | 01.09.2013   | -19.490,60                                                                             |
| 5200011767      | 31.10.2003   | 19.443,22                                                                              |
| 5200011791      | 01.11.2003   | -19.443,22                                                                             |
| 5200025804      | 31.10.2012   | 19.389,85                                                                              |
| 5200026109      | 01.11.2012   | -19.389,85                                                                             |
| 5200000019      | 30.04.2001   | 19.374,78                                                                              |
| 5200000046      | 01.05.2001   | -19.374,78                                                                             |
| 5000002163      | 31.12.2017   | 19.364,00                                                                              |
| 5000002163      | 31.12.2017   | 19.364,00                                                                              |
| 5000002163      | 31.12.2017   | 19.348,00                                                                              |
| 5000002163      | 31.12.2017   | 19.348,00                                                                              |
| 5200021073      | 31.07.2013   | 19.322,89                                                                              |
| 5200021430      | 01.08.2013   | -19.322,89                                                                             |
| 2708707         | 30.04.1995   | 19.290,09                                                                              |
| 2708729         | 04.05.1995   | -19.290,09                                                                             |
| 5200033848      | 31.12.2015   | 19.281,86                                                                              |
| 5200000562      | 01.01.2016   | -19.281,86                                                                             |
| 5000002311      | 31.12.2017   | 19.258,76                                                                              |
| 5200031224      | 31.12.2014   | 19.242,62                                                                              |
| 5200002205      | 31.01.2015   | 19.242,62                                                                              |
| 5200004496      | 28.02.2015   | 19.242,62                                                                              |
| 5200007732      | 31.03.2015   | 19.242,62                                                                              |
| 5200000551      | 01.01.2015   | -19.242,62                                                                             |
| 5200002629      | 01.02.2015   | -19.242,62                                                                             |
| 5200004927      | 01.03.2015   | -19.242,62                                                                             |
| 5200008136      | 01.04.2015   | -19.242,62                                                                             |
| 5200021037      | 31.08.2014   | 19.214,77                                                                              |
| 5200021470      | 01.09.2014   | -19.214,77                                                                             |
| 5000002310      | 31.12.2017   | 19.200,27                                                                              |
| 5000002004      | 31.12.2017   | 19.200,00                                                                              |
| 5200031970      | 30.09.2017   | 19.160,66                                                                              |
| 5200032528      | 01.10.2017   | -19.160,66                                                                             |
| 5200023515      | 30.09.2014   | 19.076,49                                                                              |
| 5200023840      | 01.10.2014   | -19.076,49                                                                             |
| 5200020227      | 31.07.2015   | 18.980,26                                                                              |
| 5200020595      | 01.08.2015   | -18.980,26                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002163      | 31.12.2017   | 18.961,06                                                                              |
| 5000002216      | 31.12.2017   | -18.961,06                                                                             |
| 5000002311      | 31.12.2017   | 18.949,83                                                                              |
| 5000002311      | 31.12.2017   | 18.949,83                                                                              |
| 5200005430      | 29.02.2016   | 18.905,21                                                                              |
| 5200005950      | 01.03.2016   | -18.905,21                                                                             |
| 5000002310      | 31.12.2017   | 18.850,00                                                                              |
| 5000002310      | 31.12.2017   | 18.850,00                                                                              |
| 5200029065      | 31.10.2015   | 18.848,24                                                                              |
| 5200029473      | 01.11.2015   | -18.848,24                                                                             |
| 5200032003      | 30.11.2015   | 18.830,33                                                                              |
| 5200032406      | 01.12.2015   | -18.830,33                                                                             |
| 5200022992      | 31.08.2015   | 18.793,32                                                                              |
| 5200023372      | 01.09.2015   | -18.793,32                                                                             |
| 5200015656      | 31.05.2013   | 18.751,63                                                                              |
| 5200016016      | 01.06.2013   | -18.751,63                                                                             |
| 2714370         | 01.11.1995   | 18.693,78                                                                              |
| 2714348         | 03.11.1995   | -18.693,78                                                                             |
| 5000002163      | 31.12.2017   | 18.688,32                                                                              |
| 5200015505      | 31.05.2013   | 18.657,24                                                                              |
| 5200021111      | 31.07.2013   | 18.657,24                                                                              |
| 5200015865      | 01.06.2013   | -18.657,24                                                                             |
| 5200021468      | 01.08.2013   | -18.657,24                                                                             |
| 5000002310      | 31.12.2017   | 18.654,78                                                                              |
| 5200036284      | 30.11.2001   | 18.650,55                                                                              |
| 5200036310      | 01.12.2001   | -18.650,55                                                                             |
| 5000002310      | 31.12.2017   | 18.638,43                                                                              |
| 5000002310      | 31.12.2017   | 18.637,00                                                                              |
| 5000002163      | 31.12.2017   | 18.635,08                                                                              |
| 5000002216      | 31.12.2017   | -18.635,08                                                                             |
| 5200017530      | 30.06.2015   | 18.590,36                                                                              |
| 5200017883      | 01.07.2015   | -18.590,36                                                                             |
| 5200013717      | 30.04.2017   | 18.583,90                                                                              |
| 5200014274      | 01.05.2017   | -18.583,90                                                                             |
| 5200001607      | 31.01.2016   | 18.521,95                                                                              |
| 5200002098      | 01.02.2016   | -18.521,95                                                                             |
| 5200008508      | 31.03.2016   | 18.521,80                                                                              |
| 5200010820      | 30.04.2016   | 18.521,80                                                                              |
| 5200008997      | 01.04.2016   | -18.521,80                                                                             |
| 5200011304      | 01.05.2016   | -18.521,80                                                                             |
| 5000002310      | 31.12.2017   | 18.430,00                                                                              |
| 5000002311      | 31.12.2017   | 18.420,00                                                                              |
| 5000002163      | 31.12.2017   | 18.401,57                                                                              |
| 5200020191      | 31.08.2012   | 18.376,63                                                                              |
| 5200020477      | 01.09.2012   | -18.376,63                                                                             |
| 5000002311      | 31.12.2017   | 18.338,64                                                                              |
| 5000002163      | 31.12.2017   | 18.321,00                                                                              |
| 5000002310      | 31.12.2017   | 18.320,00                                                                              |
| 5200032521      | 30.11.2016   | 18.315,67                                                                              |
| 5200032988      | 01.12.2016   | -18.315,67                                                                             |
| 5200040252      | 30.11.2017   | 18.304,16                                                                              |
| 5200040802      | 01.12.2017   | -18.304,16                                                                             |
| 5000002310      | 31.12.2017   | 18.301,55                                                                              |
| 5200023013      | 31.08.2015   | 18.296,82                                                                              |
| 5200023393      | 01.09.2015   | -18.296,82                                                                             |
| 5200012929      | 30.04.2013   | 18.268,65                                                                              |
| 5200013280      | 01.05.2013   | -18.268,65                                                                             |
| 5200019724      | 31.07.2015   | 18.254,56                                                                              |
| 5000002310      | 31.12.2017   | 18.235,00                                                                              |
| 5200014632      | 30.06.2012   | 18.224,86                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014922      | 01.07.2012   | -18.224,86                                                                             |
| 2716266         | 31.12.1995   | 18.177,53                                                                              |
| 2715915         | 31.12.1995   | 18.177,53                                                                              |
| 2716466         | 06.01.1996   | 18.177,53                                                                              |
| 2716458         | 31.12.1995   | -18.177,53                                                                             |
| 2715923         | 06.01.1996   | -18.177,53                                                                             |
| 2716274         | 06.01.1996   | -18.177,53                                                                             |
| 5200020126      | 31.12.2011   | 18.108,34                                                                              |
| 5200000599      | 01.01.2012   | -18.108,34                                                                             |
| 5200013625      | 30.04.2017   | 18.013,12                                                                              |
| 5200014182      | 01.05.2017   | -18.013,12                                                                             |
| 5000002310      | 31.12.2017   | 18.000,00                                                                              |
| 5000002311      | 31.12.2017   | 18.000,00                                                                              |
| 5000002317      | 31.12.2017   | 18.000,00                                                                              |
| 5200011999      | 30.04.2015   | 17.866,76                                                                              |
| 5200012413      | 01.05.2015   | -17.866,76                                                                             |
| 5200015457      | 31.05.2013   | 17.858,71                                                                              |
| 5200015817      | 01.06.2013   | -17.858,71                                                                             |
| 5000002317      | 31.12.2017   | 17.820,00                                                                              |
| 5000002311      | 31.12.2017   | 17.820,00                                                                              |
| 5200029539      | 31.10.2016   | 17.815,26                                                                              |
| 5200029990      | 01.11.2016   | -17.815,26                                                                             |
| 5200034479      | 31.12.2016   | 17.714,43                                                                              |
| 5200000575      | 01.01.2017   | -17.714,43                                                                             |
| 5200003039      | 31.01.2013   | 17.708,75                                                                              |
| 5200003381      | 01.02.2013   | -17.708,75                                                                             |
| 5000000328      | 31.03.2015   | 17.700,00                                                                              |
| 5200031808      | 30.09.2017   | 17.698,28                                                                              |
| 5200035481      | 31.10.2017   | 17.698,28                                                                              |
| 5200032366      | 01.10.2017   | -17.698,28                                                                             |
| 5200036037      | 01.11.2017   | -17.698,28                                                                             |
| 2714374         | 01.11.1995   | 17.681,98                                                                              |
| 2714352         | 03.11.1995   | -17.681,98                                                                             |
| 5000002310      | 31.12.2017   | 17.680,00                                                                              |
| 5000002311      | 31.12.2017   | 17.663,41                                                                              |
| 5000002310      | 31.12.2017   | 17.663,00                                                                              |
| 5000002310      | 31.12.2017   | 17.576,05                                                                              |
| 5200020248      | 31.07.2015   | 17.553,75                                                                              |
| 5200020616      | 01.08.2015   | -17.553,75                                                                             |
| 5000002310      | 31.12.2017   | 17.500,00                                                                              |
| 5000002216      | 31.12.2017   | -17.440,00                                                                             |
| 5000002310      | 31.12.2017   | 17.367,06                                                                              |
| 5000002310      | 31.12.2017   | 17.353,96                                                                              |
| 5000002163      | 31.12.2017   | 17.339,00                                                                              |
| 5200007629      | 31.03.2015   | 17.315,91                                                                              |
| 5200008033      | 01.04.2015   | -17.315,91                                                                             |
| 5000002164      | 31.12.2017   | 17.304,00                                                                              |
| 5200017548      | 30.06.2015   | 17.291,12                                                                              |
| 5200017901      | 01.07.2015   | -17.291,12                                                                             |
| 5200020292      | 31.07.2015   | 17.277,47                                                                              |
| 5200020660      | 01.08.2015   | -17.277,47                                                                             |
| 5200007350      | 28.02.2013   | 17.269,68                                                                              |
| 5200007683      | 01.03.2013   | -17.269,68                                                                             |
| 5200009026      | 30.04.2012   | 17.269,38                                                                              |
| 5200009304      | 01.05.2012   | -17.269,38                                                                             |
| 5200018126      | 31.07.2014   | 17.243,99                                                                              |
| 5200018549      | 01.08.2014   | -17.243,99                                                                             |
| 5000002163      | 31.12.2017   | 17.237,26                                                                              |
| 5000002163      | 31.12.2017   | 17.234,49                                                                              |
| 5200015172      | 30.06.2014   | 17.226,77                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200015602      | 01.07.2014   | -17.226,77                                                                             |
| 5000002311      | 31.12.2017   | 17.200,00                                                                              |
| 5200033772      | 31.12.2013   | 17.162,95                                                                              |
| 5200000466      | 01.01.2014   | -17.162,95                                                                             |
| 5200008899      | 30.04.2012   | 17.160,99                                                                              |
| 5200009177      | 01.05.2012   | -17.160,99                                                                             |
| 5200002254      | 31.01.2012   | 17.136,00                                                                              |
| 5200002497      | 01.02.2012   | -17.136,00                                                                             |
| 5200023052      | 31.08.2015   | 17.113,60                                                                              |
| 5200023432      | 01.09.2015   | -17.113,60                                                                             |
| 5200028933      | 30.11.2014   | 17.109,91                                                                              |
| 5200029297      | 01.12.2014   | -17.109,91                                                                             |
| 5000002310      | 31.12.2017   | 17.000,00                                                                              |
| 5000002311      | 31.12.2017   | 16.956,00                                                                              |
| 5200020129      | 31.12.2011   | 16.952,75                                                                              |
| 5200000602      | 01.01.2012   | -16.952,75                                                                             |
| 5000002310      | 31.12.2017   | 16.906,25                                                                              |
| 2708697         | 30.04.1995   | 16.877,76                                                                              |
| 2708719         | 04.05.1995   | -16.877,76                                                                             |
| 5000002311      | 31.12.2017   | 16.800,00                                                                              |
| 5200029048      | 31.10.2015   | 16.799,77                                                                              |
| 5200029456      | 01.11.2015   | -16.799,77                                                                             |
| 2712479         | 31.08.1995   | 16.780,06                                                                              |
| 2712503         | 04.09.1995   | -16.780,06                                                                             |
| 5000002310      | 31.12.2017   | 16.695,88                                                                              |
| 5000002310      | 31.12.2017   | 16.695,88                                                                              |
| 5000002311      | 31.12.2017   | 16.695,88                                                                              |
| 5000002163      | 31.12.2017   | 16.597,00                                                                              |
| 5000002317      | 31.12.2017   | 16.539,12                                                                              |
| 5000002311      | 31.12.2017   | 16.517,12                                                                              |
| 5000002311      | 31.12.2017   | 16.500,00                                                                              |
| 5200031981      | 30.11.2015   | 16.498,33                                                                              |
| 5200032384      | 01.12.2015   | -16.498,33                                                                             |
| 5000002163      | 31.12.2017   | 16.480,00                                                                              |
| 5000002163      | 31.12.2017   | 16.480,00                                                                              |
| 5000002163      | 31.12.2017   | 16.480,00                                                                              |
| 5000002163      | 31.12.2017   | 16.480,00                                                                              |
| 5200004388      | 28.02.2015   | 16.477,98                                                                              |
| 5200004819      | 01.03.2015   | -16.477,98                                                                             |
| 5200026223      | 30.09.2015   | 16.459,93                                                                              |
| 5200026638      | 01.10.2015   | -16.459,93                                                                             |
| 5200033826      | 31.12.2015   | 16.443,98                                                                              |
| 5200001571      | 31.01.2016   | 16.443,98                                                                              |
| 5200000540      | 01.01.2016   | -16.443,98                                                                             |
| 5200002062      | 01.02.2016   | -16.443,98                                                                             |
| 5000002310      | 31.12.2017   | 16.430,00                                                                              |
| 5200005392      | 29.02.2016   | 16.416,80                                                                              |
| 5200008473      | 31.03.2016   | 16.416,80                                                                              |
| 5200010786      | 30.04.2016   | 16.416,80                                                                              |
| 5200005912      | 01.03.2016   | -16.416,80                                                                             |
| 5200008962      | 01.04.2016   | -16.416,80                                                                             |
| 5200011270      | 01.05.2016   | -16.416,80                                                                             |
| 5200014462      | 31.05.2016   | 16.401,82                                                                              |
| 5200016731      | 30.06.2016   | 16.401,82                                                                              |
| 5200020468      | 31.07.2016   | 16.401,82                                                                              |
| 5200023427      | 31.08.2016   | 16.401,82                                                                              |
| 5200026603      | 30.09.2016   | 16.401,82                                                                              |
| 5200029650      | 31.10.2016   | 16.401,82                                                                              |
| 5200014937      | 01.06.2016   | -16.401,82                                                                             |
| 5200017192      | 01.07.2016   | -16.401,82                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020938      | 01.08.2016   | -16.401,82                                                                             |
| 5200023890      | 01.09.2016   | -16.401,82                                                                             |
| 5200027059      | 01.10.2016   | -16.401,82                                                                             |
| 5200030101      | 01.11.2016   | -16.401,82                                                                             |
| 5200001736      | 31.05.2001   | 16.393,75                                                                              |
| 5200001763      | 01.06.2001   | -16.393,75                                                                             |
| 5000002163      | 31.12.2017   | 16.385,24                                                                              |
| 5200031075      | 31.12.2012   | 16.345,89                                                                              |
| 5200000692      | 01.01.2013   | -16.345,89                                                                             |
| 5200020082      | 31.08.2012   | 16.323,03                                                                              |
| 5200020368      | 01.09.2012   | -16.323,03                                                                             |
| 5000002310      | 31.12.2017   | 16.320,23                                                                              |
| 5000002163      | 31.12.2017   | 16.320,00                                                                              |
| 5000002216      | 31.12.2017   | -16.320,00                                                                             |
| 5200003162      | 30.06.2001   | 16.318,26                                                                              |
| 5200004256      | 31.07.2001   | 16.318,26                                                                              |
| 5200003200      | 01.07.2001   | -16.318,26                                                                             |
| 5200004283      | 01.08.2001   | -16.318,26                                                                             |
| 5200000008      | 30.04.2001   | 16.317,31                                                                              |
| 5200000035      | 01.05.2001   | -16.317,31                                                                             |
| 5200001658      | 31.01.2016   | 16.297,18                                                                              |
| 5200002149      | 01.02.2016   | -16.297,18                                                                             |
| 5200004387      | 28.02.2015   | 16.277,44                                                                              |
| 5200004818      | 01.03.2015   | -16.277,44                                                                             |
| 5000002310      | 31.12.2017   | 16.241,73                                                                              |
| 5200020103      | 31.08.2012   | 16.235,75                                                                              |
| 5200020389      | 01.09.2012   | -16.235,75                                                                             |
| 5200026136      | 31.10.2014   | 16.223,77                                                                              |
| 5200026489      | 01.11.2014   | -16.223,77                                                                             |
| 5200026576      | 30.09.2016   | 16.152,46                                                                              |
| 5200027032      | 01.10.2016   | -16.152,46                                                                             |
| 5200004500      | 31.03.2002   | 16.100,36                                                                              |
| 5200004521      | 01.04.2002   | -16.100,36                                                                             |
| 5000002310      | 31.12.2017   | 16.060,00                                                                              |
| 5200010371      | 31.03.2013   | 16.020,82                                                                              |
| 5200010714      | 01.04.2013   | -16.020,82                                                                             |
| 5000002311      | 31.12.2017   | 16.018,00                                                                              |
| 5000002164      | 31.12.2017   | 16.006,20                                                                              |
| 5000002310      | 31.12.2017   | 16.000,00                                                                              |
| 5000002311      | 31.12.2017   | 16.000,00                                                                              |
| 5000002317      | 31.12.2017   | 16.000,00                                                                              |
| 5200028718      | 30.11.2012   | 15.979,26                                                                              |
| 5200029027      | 01.12.2012   | -15.979,26                                                                             |
| 5200042657      | 31.12.2017   | 15.955,00                                                                              |
| 5200034553      | 31.12.2016   | 15.927,22                                                                              |
| 5200000649      | 01.01.2017   | -15.927,22                                                                             |
| 5200028972      | 30.11.2014   | 15.925,97                                                                              |
| 5200029336      | 01.12.2014   | -15.925,97                                                                             |
| 5200031084      | 31.12.2012   | 15.903,88                                                                              |
| 5200003139      | 31.01.2013   | 15.903,88                                                                              |
| 5200000701      | 01.01.2013   | -15.903,88                                                                             |
| 5200003480      | 01.02.2013   | -15.903,88                                                                             |
| 5000002163      | 31.12.2017   | 15.825,74                                                                              |
| 5200007630      | 31.03.2015   | 15.824,18                                                                              |
| 5200008034      | 01.04.2015   | -15.824,18                                                                             |
| 5200002096      | 31.01.2015   | 15.823,01                                                                              |
| 5200002520      | 01.02.2015   | -15.823,01                                                                             |
| 5200022424      | 31.08.2015   | 15.804,85                                                                              |
| 2709660         | 31.05.1995   | 15.744,40                                                                              |
| 2709682         | 06.06.1995   | -15.744,40                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200017733      | 31.05.2017   | 15.728,78                                                                              |
| 5200018294      | 01.06.2017   | -15.728,78                                                                             |
| 5200026491      | 30.09.2016   | 15.696,11                                                                              |
| 5200026947      | 01.10.2016   | -15.696,11                                                                             |
| 5200021447      | 30.06.2017   | 15.683,68                                                                              |
| 5200022005      | 01.07.2017   | -15.683,68                                                                             |
| 5200006783      | 31.03.2014   | 15.625,13                                                                              |
| 5200007189      | 01.04.2014   | -15.625,13                                                                             |
| 5200009233      | 31.03.2017   | 15.612,84                                                                              |
| 5200009772      | 01.04.2017   | -15.612,84                                                                             |
| 5000002310      | 31.12.2017   | 15.608,00                                                                              |
| 5200029085      | 31.10.2015   | 15.573,62                                                                              |
| 5200029493      | 01.11.2015   | -15.573,62                                                                             |
| 5200023670      | 31.08.2013   | 15.516,43                                                                              |
| 5200024023      | 01.09.2013   | -15.516,43                                                                             |
| 5000002163      | 31.12.2017   | 15.500,00                                                                              |
| 5000002311      | 31.12.2017   | 15.500,00                                                                              |
| 5200013178      | 30.11.2003   | 15.492,59                                                                              |
| 5200013201      | 01.12.2003   | -15.492,59                                                                             |
| 5200036278      | 30.11.2001   | 15.483,49                                                                              |
| 5200036304      | 01.12.2001   | -15.483,49                                                                             |
| 5200029129      | 31.10.2015   | 15.465,72                                                                              |
| 5200029537      | 01.11.2015   | -15.465,72                                                                             |
| 5200021187      | 31.07.2013   | 15.430,69                                                                              |
| 5200021544      | 01.08.2013   | -15.430,69                                                                             |
| 5200011775      | 31.10.2003   | 15.391,16                                                                              |
| 5200011799      | 01.11.2003   | -15.391,16                                                                             |
| 5000001476      | 30.11.2016   | -15.390,00                                                                             |
| 5200039483      | 30.11.2017   | 15.379,14                                                                              |
| 4000368526      | 30.11.2017   | -15.379,14                                                                             |
| 5200022222      | 30.09.2012   | 15.352,69                                                                              |
| 5200022516      | 01.10.2012   | -15.352,69                                                                             |
| 5200026269      | 30.09.2015   | 15.340,39                                                                              |
| 5200026684      | 01.10.2015   | -15.340,39                                                                             |
| 5000002311      | 31.12.2017   | 15.314,83                                                                              |
| 5200004017      | 28.02.2014   | 15.256,52                                                                              |
| 5200004418      | 01.03.2014   | -15.256,52                                                                             |
| 5200007400      | 28.02.2013   | 15.240,99                                                                              |
| 5200007733      | 01.03.2013   | -15.240,99                                                                             |
| 5200003011      | 31.01.2013   | 15.213,00                                                                              |
| 5200003353      | 01.02.2013   | -15.213,00                                                                             |
| 5000002163      | 31.12.2017   | 15.200,00                                                                              |
| 5000002216      | 31.12.2017   | -15.200,00                                                                             |
| 5200002658      | 31.01.2017   | 15.189,21                                                                              |
| 5200003208      | 01.02.2017   | -15.189,21                                                                             |
| 5200033869      | 31.12.2015   | 15.187,33                                                                              |
| 5200000583      | 01.01.2016   | -15.187,33                                                                             |
| 5000002163      | 31.12.2017   | 15.143,88                                                                              |
| 5200018127      | 31.07.2014   | 15.138,67                                                                              |
| 5200018550      | 01.08.2014   | -15.138,67                                                                             |
| 5000002216      | 31.12.2017   | -15.133,00                                                                             |
| 5000002310      | 31.12.2017   | 15.026,30                                                                              |
| 5000002311      | 31.12.2017   | 15.011,83                                                                              |
| 5000002157      | 31.12.2017   | 15.000,00                                                                              |
| 5000002163      | 31.12.2017   | 15.000,00                                                                              |
| 5000002310      | 31.12.2017   | 15.000,00                                                                              |
| 5000002311      | 31.12.2017   | 15.000,00                                                                              |
| 5000002317      | 31.12.2017   | 15.000,00                                                                              |
| 5200023680      | 30.09.2014   | 14.998,75                                                                              |
| 5200024005      | 01.10.2014   | -14.998,75                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002311      | 31.12.2017   | 14.988,00                                                                              |
| 5200012063      | 31.05.2012   | 14.980,28                                                                              |
| 5200012337      | 01.06.2012   | -14.980,28                                                                             |
| 5200014113      | 30.11.2002   | 14.953,79                                                                              |
| 5200014136      | 01.12.2002   | -14.953,79                                                                             |
| 5000002163      | 31.12.2017   | 14.950,66                                                                              |
| 5000002311      | 31.12.2017   | 14.945,32                                                                              |
| 2708702         | 30.04.1995   | 14.931,37                                                                              |
| 2708724         | 04.05.1995   | -14.931,37                                                                             |
| 5200033799      | 31.12.2013   | 14.930,05                                                                              |
| 5200000493      | 01.01.2014   | -14.930,05                                                                             |
| 5200001576      | 31.01.2016   | 14.882,92                                                                              |
| 5200002067      | 01.02.2016   | -14.882,92                                                                             |
| 5000002163      | 31.12.2017   | 14.778,44                                                                              |
| 5200026315      | 30.09.2015   | 14.769,32                                                                              |
| 5200026730      | 01.10.2015   | -14.769,32                                                                             |
| 5200013187      | 30.11.2003   | 14.767,96                                                                              |
| 5200013210      | 01.12.2003   | -14.767,96                                                                             |
| 2534017         | 30.09.1998   | 14.738,53                                                                              |
| 2534018         | 07.10.1998   | -14.738,53                                                                             |
| 5200020849      | 31.08.2014   | 14.732,34                                                                              |
| 5200021282      | 01.09.2014   | -14.732,34                                                                             |
| 5000002310      | 31.12.2017   | 14.687,00                                                                              |
| 5200017583      | 30.06.2015   | 14.651,27                                                                              |
| 5200017936      | 01.07.2015   | -14.651,27                                                                             |
| 5000002163      | 31.12.2017   | 14.626,00                                                                              |
| 5000002216      | 31.12.2017   | -14.626,00                                                                             |
| 5200028616      | 30.11.2012   | 14.624,08                                                                              |
| 5200028925      | 01.12.2012   | -14.624,08                                                                             |
| 5200025809      | 31.10.2012   | 14.617,59                                                                              |
| 5200026114      | 01.11.2012   | -14.617,59                                                                             |
| 5000002311      | 31.12.2017   | 14.600,00                                                                              |
| 5200022141      | 30.09.2012   | 14.550,84                                                                              |
| 5200022435      | 01.10.2012   | -14.550,84                                                                             |
| 5000002310      | 31.12.2017   | 14.527,33                                                                              |
| 5200014710      | 30.06.2012   | 14.507,46                                                                              |
| 5200015000      | 01.07.2012   | -14.507,46                                                                             |
| 5000002310      | 31.12.2017   | 14.500,00                                                                              |
| 5200032025      | 30.11.2015   | 14.489,77                                                                              |
| 5200032428      | 01.12.2015   | -14.489,77                                                                             |
| 5200034467      | 31.12.2016   | 14.484,87                                                                              |
| 5200000563      | 01.01.2017   | -14.484,87                                                                             |
| 5000002310      | 31.12.2017   | 14.453,09                                                                              |
| 5200011802      | 30.04.2015   | 14.436,54                                                                              |
| 5200012216      | 01.05.2015   | -14.436,54                                                                             |
| 5200009167      | 31.03.2017   | 14.425,64                                                                              |
| 5200009706      | 01.04.2017   | -14.425,64                                                                             |
| 5200000010      | 30.04.2001   | 14.409,68                                                                              |
| 5200000037      | 01.05.2001   | -14.409,68                                                                             |
| 5000002311      | 31.12.2017   | 14.407,71                                                                              |
| 5200009343      | 31.07.2002   | 14.389,59                                                                              |
| 5200009367      | 01.08.2002   | -14.389,59                                                                             |
| 5200001634      | 31.01.2016   | 14.379,91                                                                              |
| 5200005456      | 29.02.2016   | 14.379,91                                                                              |
| 5200008529      | 31.03.2016   | 14.379,91                                                                              |
| 5200010842      | 30.04.2016   | 14.379,91                                                                              |
| 5200002125      | 01.02.2016   | -14.379,91                                                                             |
| 5200005976      | 01.03.2016   | -14.379,91                                                                             |
| 5200009018      | 01.04.2016   | -14.379,91                                                                             |
| 5200011326      | 01.05.2016   | -14.379,91                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2713396         | 30.09.1995   | 14.377,68                                                                              |
| 2713422         | 05.10.1995   | -14.377,68                                                                             |
| 5200007606      | 30.06.2002   | 14.314,49                                                                              |
| 5200007629      | 01.07.2002   | -14.314,49                                                                             |
| 5200040181      | 30.11.2017   | 14.297,80                                                                              |
| 5200040731      | 01.12.2017   | -14.297,80                                                                             |
| 5200000027      | 30.04.2001   | 14.295,79                                                                              |
| 5200000054      | 01.05.2001   | -14.295,79                                                                             |
| 5200017535      | 31.07.2012   | 14.292,68                                                                              |
| 5200017821      | 01.08.2012   | -14.292,68                                                                             |
| 5000002163      | 31.12.2017   | 14.263,44                                                                              |
| 5200023649      | 30.09.2014   | 14.256,32                                                                              |
| 5200023974      | 01.10.2014   | -14.256,32                                                                             |
| 5200017554      | 30.06.2015   | 14.250,42                                                                              |
| 5200017907      | 01.07.2015   | -14.250,42                                                                             |
| 5200013021      | 30.04.2013   | 14.245,19                                                                              |
| 5200013372      | 01.05.2013   | -14.245,19                                                                             |
| 5200017439      | 31.07.2012   | 14.244,57                                                                              |
| 5200017725      | 01.08.2012   | -14.244,57                                                                             |
| 5000002310      | 31.12.2017   | 14.226,10                                                                              |
| 5200012910      | 30.04.2013   | 14.185,26                                                                              |
| 5200013261      | 01.05.2013   | -14.185,26                                                                             |
| 5000002163      | 31.12.2017   | 14.174,04                                                                              |
| 2711534         | 31.07.1995   | 14.149,30                                                                              |
| 2711559         | 03.08.1995   | -14.149,30                                                                             |
| 5200001307      | 31.01.2014   | 14.140,20                                                                              |
| 5200001679      | 01.02.2014   | -14.140,20                                                                             |
| 5200033901      | 31.12.2015   | 14.123,39                                                                              |
| 5000002311      | 31.12.2017   | 14.070,00                                                                              |
| 5200042564      | 31.12.2017   | 14.048,28                                                                              |
| 5000002163      | 31.12.2017   | 14.047,14                                                                              |
| 5200001415      | 31.01.2002   | 14.033,26                                                                              |
| 5200001454      | 01.02.2002   | -14.033,26                                                                             |
| 5200020130      | 31.08.2012   | 14.010,01                                                                              |
| 5200020416      | 01.09.2012   | -14.010,01                                                                             |
| 5000002216      | 31.12.2017   | -14.000,17                                                                             |
| 5000002164      | 31.12.2017   | 14.000,00                                                                              |
| 5000002310      | 31.12.2017   | 14.000,00                                                                              |
| 5000002311      | 31.12.2017   | 14.000,00                                                                              |
| 5000002218      | 31.12.2017   | -14.000,00                                                                             |
| 2708006         | 31.03.1995   | 13.997,78                                                                              |
| 2707931         | 07.04.1995   | -13.997,78                                                                             |
| 5200020131      | 31.12.2011   | 13.944,24                                                                              |
| 5200000604      | 01.01.2012   | -13.944,24                                                                             |
| 5200031690      | 30.11.2013   | 13.933,28                                                                              |
| 5200032046      | 01.12.2013   | -13.933,28                                                                             |
| 5000002310      | 31.12.2017   | 13.921,00                                                                              |
| 5200031126      | 31.12.2014   | 13.890,74                                                                              |
| 5200000453      | 01.01.2015   | -13.890,74                                                                             |
| 5200006792      | 31.03.2014   | 13.860,00                                                                              |
| 5200007198      | 01.04.2014   | -13.860,00                                                                             |
| 5000002163      | 31.12.2017   | 13.841,55                                                                              |
| 5200012003      | 30.04.2015   | 13.829,77                                                                              |
| 5200012417      | 01.05.2015   | -13.829,77                                                                             |
| 2713391         | 30.09.1995   | 13.808,78                                                                              |
| 2713417         | 05.10.1995   | -13.808,78                                                                             |
| 2708699         | 30.04.1995   | 13.804,31                                                                              |
| 2708721         | 04.05.1995   | -13.804,31                                                                             |
| 5000002310      | 31.12.2017   | 13.800,00                                                                              |
| 5000002004      | 31.12.2017   | 13.764,00                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000615      | 01.01.2016   | -13.731,07                                                                             |
| 5000002311      | 31.12.2017   | 13.693,22                                                                              |
| 5200001653      | 31.01.2016   | 13.682,70                                                                              |
| 5200002144      | 01.02.2016   | -13.682,70                                                                             |
| 5000002311      | 31.12.2017   | 13.642,00                                                                              |
| 5200032061      | 30.11.2015   | 13.605,86                                                                              |
| 5200032464      | 01.12.2015   | -13.605,86                                                                             |
| 5200011957      | 30.04.2015   | 13.582,49                                                                              |
| 5200012371      | 01.05.2015   | -13.582,49                                                                             |
| 5200002784      | 31.01.2017   | 13.562,49                                                                              |
| 5200003334      | 01.02.2017   | -13.562,49                                                                             |
| 5200014842      | 31.05.2015   | 13.558,01                                                                              |
| 5200015233      | 01.06.2015   | -13.558,01                                                                             |
| 5200007619      | 30.06.2002   | 13.526,44                                                                              |
| 5200007642      | 01.07.2002   | -13.526,44                                                                             |
| 5200023453      | 31.08.2016   | 13.524,84                                                                              |
| 5200023916      | 01.09.2016   | -13.524,84                                                                             |
| 5000002163      | 31.12.2017   | 13.500,00                                                                              |
| 5000002216      | 31.12.2017   | -13.428,00                                                                             |
| 5200007764      | 31.03.2015   | 13.423,17                                                                              |
| 5200008168      | 01.04.2015   | -13.423,17                                                                             |
| 5200008568      | 31.03.2016   | 13.373,71                                                                              |
| 5200009057      | 01.04.2016   | -13.373,71                                                                             |
| 5200015323      | 30.06.2014   | 13.373,51                                                                              |
| 5200015753      | 01.07.2014   | -13.373,51                                                                             |
| 5200001668      | 31.01.2016   | 13.327,48                                                                              |
| 5200002159      | 01.02.2016   | -13.327,48                                                                             |
| 5000002310      | 31.12.2017   | 13.326,82                                                                              |
| 5200010879      | 30.04.2016   | 13.316,56                                                                              |
| 5200011363      | 01.05.2016   | -13.316,56                                                                             |
| 5000002311      | 31.12.2017   | 13.284,02                                                                              |
| 5000002317      | 31.12.2017   | 13.279,66                                                                              |
| 5200001423      | 31.01.2002   | 13.275,54                                                                              |
| 5200001464      | 01.02.2002   | -13.275,54                                                                             |
| 5200007439      | 28.02.2013   | 13.261,53                                                                              |
| 5200007772      | 01.03.2013   | -13.261,53                                                                             |
| 5200024467      | 31.07.2017   | 13.260,34                                                                              |
| 5200025016      | 01.08.2017   | -13.260,34                                                                             |
| 5200005496      | 29.02.2016   | 13.254,75                                                                              |
| 5200006016      | 01.03.2016   | -13.254,75                                                                             |
| 2714369         | 01.11.1995   | 13.254,09                                                                              |
| 2714347         | 03.11.1995   | -13.254,09                                                                             |
| 5200004027      | 29.02.2012   | 13.245,38                                                                              |
| 5200004299      | 01.03.2012   | -13.245,38                                                                             |
| 5000002311      | 31.12.2017   | 13.222,00                                                                              |
| 5000002164      | 31.12.2017   | 13.220,72                                                                              |
| 2706965         | 28.02.1995   | 13.203,73                                                                              |
| 2706986         | 07.03.1995   | -13.203,73                                                                             |
| 2710558         | 30.06.1995   | 13.174,60                                                                              |
| 2710580         | 05.07.1995   | -13.174,60                                                                             |
| 5000002311      | 31.12.2017   | 13.140,07                                                                              |
| 5200006641      | 31.03.2012   | 13.139,01                                                                              |
| 5200006938      | 01.04.2012   | -13.139,01                                                                             |
| 5200008995      | 30.04.2012   | 13.134,17                                                                              |
| 5200009273      | 01.05.2012   | -13.134,17                                                                             |
| 5000002311      | 31.12.2017   | 13.090,00                                                                              |
| 2760765         | 31.10.1998   | 13.066,82                                                                              |
| 2760772         | 04.11.1998   | -13.066,82                                                                             |
| 5200026315      | 31.10.2014   | 13.065,44                                                                              |
| 5200026668      | 01.11.2014   | -13.065,44                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200033818      | 31.12.2015   | 13.062,61                                                                              |
| 5200000532      | 01.01.2016   | -13.062,61                                                                             |
| 5000002311      | 31.12.2017   | 13.046,00                                                                              |
| 5200012233      | 31.05.2014   | 13.044,95                                                                              |
| 5200012680      | 01.06.2014   | -13.044,95                                                                             |
| 5000002310      | 31.12.2017   | 13.000,00                                                                              |
| 5000002317      | 31.12.2017   | 13.000,00                                                                              |
| 5000002317      | 31.12.2017   | 13.000,00                                                                              |
| 5200028876      | 30.11.2014   | 12.990,94                                                                              |
| 5200029240      | 01.12.2014   | -12.990,94                                                                             |
| 5000002311      | 31.12.2017   | 12.950,00                                                                              |
| 5000002311      | 31.12.2017   | 12.948,00                                                                              |
| 5000002311      | 31.12.2017   | 12.900,00                                                                              |
| 5000002311      | 31.12.2017   | 12.893,78                                                                              |
| 5200014878      | 31.05.2015   | 12.831,71                                                                              |
| 5200015269      | 01.06.2015   | -12.831,71                                                                             |
| 5200029115      | 31.10.2013   | 12.799,25                                                                              |
| 5200029457      | 01.11.2013   | -12.799,25                                                                             |
| 5200028208      | 31.08.2017   | 12.755,58                                                                              |
| 5200028770      | 01.09.2017   | -12.755,58                                                                             |
| 5200014700      | 31.05.2015   | 12.743,06                                                                              |
| 5200015091      | 01.06.2015   | -12.743,06                                                                             |
| 5200030282      | 11.11.2015   | -12.743,06                                                                             |
| 5000002311      | 31.12.2017   | 12.741,48                                                                              |
| 5000002311      | 31.12.2017   | 12.732,05                                                                              |
| 5000002163      | 31.12.2017   | 12.689,60                                                                              |
| 5000002216      | 31.12.2017   | -12.689,60                                                                             |
| 5200008914      | 30.04.2012   | 12.679,93                                                                              |
| 5200009192      | 01.05.2012   | -12.679,93                                                                             |
| 2707997         | 31.03.1995   | 12.679,74                                                                              |
| 2707922         | 07.04.1995   | -12.679,74                                                                             |
| 5200001657      | 31.01.2016   | 12.677,27                                                                              |
| 5200002148      | 01.02.2016   | -12.677,27                                                                             |
| 5000002317      | 31.12.2017   | 12.676,00                                                                              |
| 5200017547      | 31.07.2012   | 12.670,12                                                                              |
| 5200017833      | 01.08.2012   | -12.670,12                                                                             |
| 5200003189      | 28.02.2002   | 12.659,06                                                                              |
| 5200003217      | 01.03.2002   | -12.659,06                                                                             |
| 5200025794      | 31.10.2012   | 12.643,33                                                                              |
| 5200028601      | 30.11.2012   | 12.643,33                                                                              |
| 5200030979      | 31.12.2012   | 12.643,33                                                                              |
| 5200026099      | 01.11.2012   | -12.643,33                                                                             |
| 5200028910      | 01.12.2012   | -12.643,33                                                                             |
| 5200000596      | 01.01.2013   | -12.643,33                                                                             |
| 5200013780      | 30.04.2017   | 12.612,25                                                                              |
| 5200014337      | 01.05.2017   | -12.612,25                                                                             |
| 5200001414      | 31.01.2002   | 12.552,48                                                                              |
| 5200001449      | 01.02.2002   | -12.552,48                                                                             |
| 2708695         | 30.04.1995   | 12.525,05                                                                              |
| 2708717         | 04.05.1995   | -12.525,05                                                                             |
| 5000002311      | 31.12.2017   | 12.521,91                                                                              |
| 5200025830      | 31.10.2012   | 12.502,95                                                                              |
| 5200026135      | 01.11.2012   | -12.502,95                                                                             |
| 5200028877      | 30.11.2014   | 12.500,88                                                                              |
| 5200029241      | 01.12.2014   | -12.500,88                                                                             |
| 5000002310      | 31.12.2017   | 12.500,00                                                                              |
| 5000002163      | 31.12.2017   | 12.487,31                                                                              |
| 5000002163      | 31.12.2017   | 12.474,89                                                                              |
| 5200042389      | 31.12.2017   | 12.403,95                                                                              |
| 5000002163      | 31.12.2017   | 12.360,00                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001320      | 31.01.2014   | 12.352,98                                                                              |
| 5200001692      | 01.02.2014   | -12.352,98                                                                             |
| 5200011963      | 31.05.2012   | 12.278,61                                                                              |
| 5200012237      | 01.06.2012   | -12.278,61                                                                             |
| 5200015238      | 30.06.2014   | 12.251,03                                                                              |
| 5200015668      | 01.07.2014   | -12.251,03                                                                             |
| 5200015470      | 31.05.2013   | 12.233,32                                                                              |
| 5200015830      | 01.06.2013   | -12.233,32                                                                             |
| 5000002311      | 31.12.2017   | 12.225,76                                                                              |
| 5200032606      | 30.11.2016   | 12.224,31                                                                              |
| 5200033073      | 01.12.2016   | -12.224,31                                                                             |
| 5200029549      | 31.10.2016   | 12.213,72                                                                              |
| 5200030000      | 01.11.2016   | -12.213,72                                                                             |
| 5200009604      | 30.04.2014   | 12.200,05                                                                              |
| 5200012299      | 31.05.2014   | 12.200,05                                                                              |
| 5200010026      | 01.05.2014   | -12.200,05                                                                             |
| 5200012746      | 01.06.2014   | -12.200,05                                                                             |
| 5200007800      | 31.07.2003   | 12.187,77                                                                              |
| 5200007828      | 01.08.2003   | -12.187,77                                                                             |
| 5200011770      | 31.10.2003   | 12.172,14                                                                              |
| 5200011794      | 01.11.2003   | -12.172,14                                                                             |
| 5000002311      | 31.12.2017   | 12.118,00                                                                              |
| 5200007801      | 31.03.2015   | 12.111,35                                                                              |
| 5200008205      | 01.04.2015   | -12.111,35                                                                             |
| 5000002310      | 31.12.2017   | 12.100,00                                                                              |
| 5200031221      | 30.09.2017   | 12.015,73                                                                              |
| 5200020234      | 31.07.2015   | 12.013,72                                                                              |
| 5200020602      | 01.08.2015   | -12.013,72                                                                             |
| 5000002157      | 31.12.2017   | 12.000,00                                                                              |
| 5000002157      | 31.12.2017   | 12.000,00                                                                              |
| 5000002310      | 31.12.2017   | 12.000,00                                                                              |
| 5000002311      | 31.12.2017   | 12.000,00                                                                              |
| 5000002311      | 31.12.2017   | 12.000,00                                                                              |
| 5000002317      | 31.12.2017   | 12.000,00                                                                              |
| 5000002311      | 31.12.2017   | 11.961,58                                                                              |
| 5200004092      | 29.02.2012   | 11.917,42                                                                              |
| 5200004364      | 01.03.2012   | -11.917,42                                                                             |
| 5000002310      | 31.12.2017   | 11.818,62                                                                              |
| 5200007815      | 31.07.2003   | 11.804,31                                                                              |
| 5200007843      | 01.08.2003   | -11.804,31                                                                             |
| 5200031901      | 30.09.2017   | 11.793,96                                                                              |
| 5200032459      | 01.10.2017   | -11.793,96                                                                             |
| 5000002163      | 31.12.2017   | 11.793,00                                                                              |
| 5200034573      | 31.12.2016   | 11.775,60                                                                              |
| 5200000669      | 01.01.2017   | -11.775,60                                                                             |
| 5200020947      | 31.08.2014   | 11.748,95                                                                              |
| 5200021380      | 01.09.2014   | -11.748,95                                                                             |
| 5000002310      | 31.12.2017   | 11.740,00                                                                              |
| 5200030999      | 31.12.2012   | 11.731,21                                                                              |
| 5200000616      | 01.01.2013   | -11.731,21                                                                             |
| 5200007765      | 31.03.2015   | 11.722,93                                                                              |
| 5200008169      | 01.04.2015   | -11.722,93                                                                             |
| 5200023593      | 30.09.2014   | 11.701,28                                                                              |
| 5200023918      | 01.10.2014   | -11.701,28                                                                             |
| 5200022150      | 30.09.2012   | 11.686,23                                                                              |
| 5200022444      | 01.10.2012   | -11.686,23                                                                             |
| 5000002218      | 31.12.2017   | -11.680,20                                                                             |
| 5200033877      | 31.12.2013   | 11.666,35                                                                              |
| 5200000571      | 01.01.2014   | -11.666,35                                                                             |
| 5200029624      | 31.10.2016   | 11.639,26                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200030075      | 01.11.2016   | -11.639,26                                                                             |
| 5200017557      | 30.06.2015   | 11.516,85                                                                              |
| 5200017910      | 01.07.2015   | -11.516,85                                                                             |
| 5200023312      | 31.08.2016   | 11.423,90                                                                              |
| 5200023775      | 01.09.2016   | -11.423,90                                                                             |
| 5200023516      | 30.09.2014   | 11.384,80                                                                              |
| 5200023841      | 01.10.2014   | -11.384,80                                                                             |
| 5200004161      | 28.02.2014   | 11.375,06                                                                              |
| 5200004562      | 01.03.2014   | -11.375,06                                                                             |
| 5200022156      | 30.09.2012   | 11.372,84                                                                              |
| 5200022450      | 01.10.2012   | -11.372,84                                                                             |
| 5200014851      | 31.05.2015   | 11.356,55                                                                              |
| 5200015242      | 01.06.2015   | -11.356,55                                                                             |
| 5000002310      | 31.12.2017   | 11.350,00                                                                              |
| 5200005271      | 29.02.2016   | 11.330,80                                                                              |
| 5200005791      | 01.03.2016   | -11.330,80                                                                             |
| 5000002310      | 31.12.2017   | 11.329,83                                                                              |
| 5000002164      | 31.12.2017   | 11.250,00                                                                              |
| 5000002310      | 31.12.2017   | 11.200,00                                                                              |
| 5000002310      | 31.12.2017   | 11.200,00                                                                              |
| 5000002310      | 31.12.2017   | 11.200,00                                                                              |
| 5000002311      | 31.12.2017   | 11.200,00                                                                              |
| 5000002163      | 31.12.2017   | 11.196,51                                                                              |
| 5200033782      | 31.12.2013   | 11.134,98                                                                              |
| 5200000476      | 01.01.2014   | -11.134,98                                                                             |
| 5200010862      | 30.04.2016   | 11.056,65                                                                              |
| 5200011346      | 01.05.2016   | -11.056,65                                                                             |
| 5000002310      | 31.12.2017   | 11.000,00                                                                              |
| 5000002310      | 31.12.2017   | 11.000,00                                                                              |
| 5200006113      | 30.09.2001   | 10.990,59                                                                              |
| 5200006140      | 01.10.2001   | -10.990,59                                                                             |
| 5200010268      | 31.03.2013   | 10.987,86                                                                              |
| 5200010611      | 01.04.2013   | -10.987,86                                                                             |
| 5200007804      | 31.07.2003   | 10.973,01                                                                              |
| 5200007832      | 01.08.2003   | -10.973,01                                                                             |
| 5200001437      | 31.01.2014   | 10.951,55                                                                              |
| 5200001809      | 01.02.2014   | -10.951,55                                                                             |
| 5200031016      | 31.12.2012   | 10.896,84                                                                              |
| 5200000633      | 01.01.2013   | -10.896,84                                                                             |
| 5200004258      | 31.07.2001   | 10.886,74                                                                              |
| 5200004285      | 01.08.2001   | -10.886,74                                                                             |
| 5000002163      | 31.12.2017   | 10.876,80                                                                              |
| 5000002216      | 31.12.2017   | -10.876,80                                                                             |
| 5200031572      | 30.11.2013   | 10.869,68                                                                              |
| 5200031928      | 01.12.2013   | -10.869,68                                                                             |
| 5200004502      | 31.03.2002   | 10.711,98                                                                              |
| 5200004523      | 01.04.2002   | -10.711,98                                                                             |
| 5200022956      | 31.08.2015   | 10.675,77                                                                              |
| 5200023336      | 01.09.2015   | -10.675,77                                                                             |
| 5200014849      | 31.05.2015   | 10.673,53                                                                              |
| 5200015240      | 01.06.2015   | -10.673,53                                                                             |
| 5200014348      | 31.05.2016   | 10.641,89                                                                              |
| 5200014823      | 01.06.2016   | -10.641,89                                                                             |
| 5200014622      | 30.06.2012   | 10.630,77                                                                              |
| 5200014912      | 01.07.2012   | -10.630,77                                                                             |
| 5200009541      | 30.04.2014   | 10.623,02                                                                              |
| 5200009963      | 01.05.2014   | -10.623,02                                                                             |
| 5200042662      | 31.12.2017   | 10.603,52                                                                              |
| 5200001308      | 31.01.2014   | 10.573,70                                                                              |
| 5200001680      | 01.02.2014   | -10.573,70                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031085      | 31.12.2012   | 10.554,24                                                                              |
| 5200000702      | 01.01.2013   | -10.554,24                                                                             |
| 5200010276      | 30.09.2003   | 10.552,51                                                                              |
| 5200010302      | 01.10.2003   | -10.552,51                                                                             |
| 5200032033      | 30.11.2015   | 10.537,49                                                                              |
| 5200032436      | 01.12.2015   | -10.537,49                                                                             |
| 5200020858      | 31.08.2014   | 10.530,00                                                                              |
| 5200021291      | 01.09.2014   | -10.530,00                                                                             |
| 5200028280      | 31.08.2017   | 10.529,92                                                                              |
| 5200028842      | 01.09.2017   | -10.529,92                                                                             |
| 2708705         | 30.04.1995   | 10.519,18                                                                              |
| 2708727         | 04.05.1995   | -10.519,18                                                                             |
| 5000002311      | 31.12.2017   | 10.500,00                                                                              |
| 5000002216      | 31.12.2017   | -10.476,87                                                                             |
| 5000002163      | 31.12.2017   | 10.464,80                                                                              |
| 5000002164      | 31.12.2017   | 10.448,32                                                                              |
| 4000304579      | 29.09.2015   | -10.425,14                                                                             |
| 5000002310      | 31.12.2017   | 10.400,00                                                                              |
| 5000002311      | 31.12.2017   | 10.400,00                                                                              |
| 5200001341      | 31.01.2014   | 10.390,93                                                                              |
| 5200001713      | 01.02.2014   | -10.390,93                                                                             |
| 5000002163      | 31.12.2017   | 10.354,85                                                                              |
| 5000002216      | 31.12.2017   | -10.354,85                                                                             |
| 5200035576      | 31.10.2017   | 10.329,39                                                                              |
| 5200036132      | 01.11.2017   | -10.329,39                                                                             |
| 5000002163      | 31.12.2017   | 10.300,00                                                                              |
| 5000002163      | 31.12.2017   | 10.300,00                                                                              |
| 5000002163      | 31.12.2017   | 10.300,00                                                                              |
| 5000002163      | 31.12.2017   | 10.300,00                                                                              |
| 5200017802      | 31.05.2017   | 10.276,36                                                                              |
| 5200018363      | 01.06.2017   | -10.276,36                                                                             |
| 5200017491      | 31.07.2012   | 10.275,78                                                                              |
| 5200017777      | 01.08.2012   | -10.275,78                                                                             |
| 5000002163      | 31.12.2017   | 10.275,28                                                                              |
| 5200032631      | 30.11.2016   | 10.251,14                                                                              |
| 5200034577      | 31.12.2016   | 10.251,14                                                                              |
| 5200002788      | 31.01.2017   | 10.251,14                                                                              |
| 5200006035      | 28.02.2017   | 10.251,14                                                                              |
| 5200009200      | 31.03.2017   | 10.251,14                                                                              |
| 5200013748      | 30.04.2017   | 10.251,14                                                                              |
| 5200017767      | 31.05.2017   | 10.251,14                                                                              |
| 5200021480      | 30.06.2017   | 10.251,14                                                                              |
| 5200024502      | 31.07.2017   | 10.251,14                                                                              |
| 5200028244      | 31.08.2017   | 10.251,14                                                                              |
| 5200031934      | 30.09.2017   | 10.251,14                                                                              |
| 5200035611      | 31.10.2017   | 10.251,14                                                                              |
| 5200040217      | 30.11.2017   | 10.251,14                                                                              |
| 5200042530      | 31.12.2017   | 10.251,14                                                                              |
| 5200033098      | 01.12.2016   | -10.251,14                                                                             |
| 5200000673      | 01.01.2017   | -10.251,14                                                                             |
| 5200003338      | 01.02.2017   | -10.251,14                                                                             |
| 5200006578      | 01.03.2017   | -10.251,14                                                                             |
| 5200009739      | 01.04.2017   | -10.251,14                                                                             |
| 5200014305      | 01.05.2017   | -10.251,14                                                                             |
| 5200018328      | 01.06.2017   | -10.251,14                                                                             |
| 5200022038      | 01.07.2017   | -10.251,14                                                                             |
| 5200025051      | 01.08.2017   | -10.251,14                                                                             |
| 5200028806      | 01.09.2017   | -10.251,14                                                                             |
| 5200032492      | 01.10.2017   | -10.251,14                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200036167      | 01.11.2017   | -10.251,14                                                                             |
| 5200040767      | 01.12.2017   | -10.251,14                                                                             |
| 2713405         | 30.09.1995   | 10.230,45                                                                              |
| 2713431         | 05.10.1995   | -10.230,45                                                                             |
| 5200002255      | 31.01.2012   | 10.203,06                                                                              |
| 5200002498      | 01.02.2012   | -10.203,06                                                                             |
| 5000002218      | 31.12.2017   | -10.200,15                                                                             |
| 5200006813      | 31.03.2014   | 10.199,25                                                                              |
| 5200007219      | 01.04.2014   | -10.199,25                                                                             |
| 5200002500      | 28.02.2003   | 10.158,62                                                                              |
| 5200002527      | 01.03.2003   | -10.158,62                                                                             |
| 5200042496      | 31.12.2017   | 10.146,66                                                                              |
| 2708008         | 31.03.1995   | 10.145,83                                                                              |
| 2707933         | 07.04.1995   | -10.145,83                                                                             |
| 5200031337      | 30.11.2015   | 10.136,75                                                                              |
| 2711532         | 31.07.1995   | 10.130,97                                                                              |
| 2711557         | 03.08.1995   | -10.130,97                                                                             |
| 5000002310      | 31.12.2017   | 10.091,51                                                                              |
| 5200002249      | 31.01.2015   | 10.076,64                                                                              |
| 5200002673      | 01.02.2015   | -10.076,64                                                                             |
| 5000002310      | 31.12.2017   | 10.040,00                                                                              |
| 5200004245      | 31.07.2001   | 10.020,57                                                                              |
| 5200004272      | 01.08.2001   | -10.020,57                                                                             |
| 5200012427      | 31.05.2014   | 10.015,33                                                                              |
| 5200012874      | 01.06.2014   | -10.015,33                                                                             |
| 5200025833      | 31.10.2012   | 10.005,42                                                                              |
| 5200026138      | 01.11.2012   | -10.005,42                                                                             |
| 5000002157      | 31.12.2017   | 10.000,00                                                                              |
| 5000002157      | 31.12.2017   | 10.000,00                                                                              |
| 5000002310      | 31.12.2017   | 10.000,00                                                                              |
| 5000002310      | 31.12.2017   | 10.000,00                                                                              |
| 5000002311      | 31.12.2017   | 10.000,00                                                                              |
| 5000002311      | 31.12.2017   | 10.000,00                                                                              |
| 5000002311      | 31.12.2017   | 10.000,00                                                                              |
| 5000002311      | 31.12.2017   | 10.000,00                                                                              |
| 5000002311      | 31.12.2017   | 10.000,00                                                                              |
| 5000002311      | 31.12.2017   | 10.000,00                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## V. Other provisions

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001215      | 30.09.2014   | 76.000.000,00                                                                          |
| 5000001814      | 31.12.2015   | 56.825.927,31                                                                          |
| 5000001231      | 20.10.2016   | -29.000.000,00                                                                         |
| 5000001720      | 31.12.2014   | -23.000.000,00                                                                         |
| 5000001353      | 31.10.2014   | 14.000.000,00                                                                          |
| 5000001354      | 31.10.2015   | -12.500.000,00                                                                         |
| 5000001454      | 30.11.2014   | 11.472.000,00                                                                          |
| 5000000781      | 30.06.2016   | 8.067.500,00                                                                           |
| 5000001491      | 30.11.2016   | -7.900.000,00                                                                          |
| 5000002518      | 31.12.2017   | 7.000.000,00                                                                           |
| 5000000202      | 29.02.2016   | -6.556.259,98                                                                          |
| 5000001349      | 31.10.2015   | -6.112.290,46                                                                          |
| 5000002523      | 31.12.2017   | 5.600.000,00                                                                           |
| 5000001098      | 26.09.2016   | -5.258.445,67                                                                          |
| 5000001343      | 31.10.2015   | -4.707.985,00                                                                          |
| 5000000082      | 31.01.2015   | -4.081.030,52                                                                          |
| 5000000509      | 30.04.2016   | -3.980.961,01                                                                          |
| 5000001298      | 31.10.2016   | -3.699.766,27                                                                          |
| 5000001667      | 22.12.2015   | -3.614.483,27                                                                          |
| 5000001067      | 31.08.2014   | 3.555.664,31                                                                           |
| 5000001797      | 31.12.2015   | 2.928.337,77                                                                           |
| 5000001910      | 31.12.2015   | 2.900.000,00                                                                           |
| 5000001907      | 31.12.2015   | -2.900.000,00                                                                          |
| 5000001910      | 31.12.2015   | -2.900.000,00                                                                          |
| 5000001622      | 31.12.2015   | 2.726.897,00                                                                           |
| 5000001657      | 18.12.2015   | -2.700.140,68                                                                          |
| 5000000200      | 28.02.2015   | -2.536.246,12                                                                          |
| 5000001984      | 31.12.2016   | -2.374.750,00                                                                          |
| 5000001559      | 19.12.2014   | -2.295.492,00                                                                          |
| 5000002043      | 31.12.2017   | 2.120.000,00                                                                           |
| 5000001987      | 31.12.2016   | -2.100.000,00                                                                          |
| 5000000802      | 30.06.2016   | -2.032.695,58                                                                          |
| 5000001210      | 30.09.2014   | 2.000.000,00                                                                           |
| 5000001987      | 31.12.2016   | -2.000.000,00                                                                          |
| 5000000819      | 31.05.2017   | -2.000.000,00                                                                          |
| 5000000096      | 31.01.2016   | -1.966.114,76                                                                          |
| 5000001465      | 26.11.2015   | -1.900.000,00                                                                          |
| 5000002043      | 31.12.2017   | 1.831.000,00                                                                           |
| 5000000819      | 31.05.2017   | -1.700.000,00                                                                          |
| 5000001585      | 30.11.2013   | 1.692.000,00                                                                           |
| 5000001841      | 31.12.2013   | 1.692.000,00                                                                           |
| 5000001521      | 30.11.2015   | -1.514.534,95                                                                          |
| 5000001626      | 22.12.2016   | -1.434.092,24                                                                          |
| 5000000082      | 31.01.2015   | -1.406.717,68                                                                          |
| 5000000349      | 31.03.2015   | -1.379.136,39                                                                          |
| 5000001658      | 31.12.2015   | 1.341.000,00                                                                           |
| 5000001766      | 01.10.2010   | 1.233.475,38                                                                           |
| 5000001785      | 31.12.2014   | -1.200.000,00                                                                          |
| 5000000927      | 31.07.2016   | -1.191.462,37                                                                          |
| 5000001636      | 31.12.2014   | -1.135.523,00                                                                          |
| 5000000747      | 30.06.2015   | -1.129.145,15                                                                          |
| 5000001035      | 31.08.2015   | -1.129.145,15                                                                          |
| 5000001797      | 31.12.2015   | -1.079.727,49                                                                          |
| 5000000950      | 31.07.2015   | -1.058.400,00                                                                          |
| 5000002043      | 31.12.2017   | 1.000.000,00                                                                           |
| 5000001332      | 30.10.2015   | -1.000.000,00                                                                          |
| 5000000608      | 31.05.2016   | -967.600,34                                                                            |
| 5000000696      | 30.04.2017   | -941.892,84                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000827      | 31.05.2017   | 905.155,95                                                                             |
| 5000000827      | 31.05.2017   | -905.155,95                                                                            |
| 5000000365      | 31.03.2016   | -815.079,42                                                                            |
| 5000000846      | 30.06.2014   | 792.000,00                                                                             |
| 5000001211      | 30.09.2015   | 791.359,28                                                                             |
| 5000000105      | 31.01.2016   | -760.815,81                                                                            |
| 5000001298      | 31.10.2016   | -720.492,30                                                                            |
| 4500001669      | 29.09.2017   | -652.929,80                                                                            |
| 5000000605      | 31.05.2015   | -647.632,43                                                                            |
| 4500002164      | 30.11.2017   | -641.595,00                                                                            |
| 4500001670      | 29.09.2017   | -639.073,60                                                                            |
| 5000000200      | 28.02.2015   | -609.645,60                                                                            |
| 5000001655      | 18.12.2015   | -591.000,00                                                                            |
| 5000002043      | 31.12.2017   | 589.000,00                                                                             |
| 5000001211      | 30.09.2015   | 578.663,81                                                                             |
| 5000001189      | 30.09.2016   | -574.202,07                                                                            |
| 5000001842      | 30.11.2017   | -544.734,91                                                                            |
| 5000001519      | 31.12.2014   | -500.000,00                                                                            |
| 5000001491      | 30.11.2016   | -500.000,00                                                                            |
| 5000001664      | 31.10.2017   | -500.000,00                                                                            |
| 5000001384      | 24.11.2016   | -500.000,00                                                                            |
| 5000000340      | 31.03.2015   | -495.907,04                                                                            |
| 5000001189      | 30.09.2016   | -494.557,89                                                                            |
| 4300209699      | 31.08.2017   | -489.905,95                                                                            |
| 4300234320      | 18.10.2017   | -489.905,95                                                                            |
| 5000000940      | 31.07.2015   | -484.454,15                                                                            |
| 5000000491      | 30.04.2015   | -466.320,27                                                                            |
| 5000002046      | 31.12.2017   | 463.000,00                                                                             |
| 5000001502      | 30.11.2016   | -439.669,84                                                                            |
| 5000000340      | 31.03.2015   | -428.510,45                                                                            |
| 5000002371      | 31.12.2017   | 423.077,21                                                                             |
| 5000001578      | 31.12.2014   | -417.600,00                                                                            |
| 5000000030      | 16.01.2017   | -400.000,00                                                                            |
| 5000000407      | 27.03.2017   | -400.000,00                                                                            |
| 5000001159      | 30.09.2015   | -398.833,09                                                                            |
| 5000000611      | 31.05.2015   | -370.146,86                                                                            |
| 5000001815      | 31.12.2016   | -367.439,99                                                                            |
| 5000001034      | 31.08.2015   | -353.701,75                                                                            |
| 5000000746      | 30.06.2015   | -345.638,51                                                                            |
| 5000000605      | 31.05.2015   | -345.124,83                                                                            |
| 5000000747      | 30.06.2015   | -316.058,80                                                                            |
| 5000001035      | 31.08.2015   | -316.058,80                                                                            |
| 5000001053      | 31.08.2016   | -313.142,89                                                                            |
| 5000001194      | 31.07.2017   | -275.000,00                                                                            |
| 5000001723      | 10.11.2017   | -275.000,00                                                                            |
| 5000000450      | 30.04.2015   | -264.418,62                                                                            |
| 5000001863      | 30.11.2017   | -246.000,00                                                                            |
| 5000000358      | 31.03.2017   | 239.750,00                                                                             |
| 5000000927      | 31.07.2016   | -229.964,30                                                                            |
| 5000000096      | 31.01.2016   | -227.078,00                                                                            |
| 5000000914      | 31.07.2015   | -222.954,68                                                                            |
| 5000001349      | 31.10.2015   | -220.359,63                                                                            |
| 5000000409      | 31.03.2013   | 215.029,35                                                                             |
| 5000000802      | 30.06.2016   | -208.164,42                                                                            |
| 5000000340      | 31.03.2015   | -207.672,02                                                                            |
| 5800000206      | 30.04.2016   | 207.091,58                                                                             |
| 5800000755      | 31.12.2017   | 206.054,07                                                                             |
| 5000000365      | 31.03.2016   | -204.550,10                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5800000616      | 31.10.2017   | 204.359,89                                                                             |
| 5800000548      | 30.09.2017   | 201.667,69                                                                             |
| 5800000678      | 30.11.2017   | 200.154,56                                                                             |
| 5000000819      | 31.05.2017   | -200.000,00                                                                            |
| 5800000216      | 30.04.2017   | 199.595,13                                                                             |
| 5000000365      | 31.03.2016   | -199.588,74                                                                            |
| 5800000484      | 31.08.2017   | 197.946,51                                                                             |
| 5000000605      | 31.05.2015   | -197.095,21                                                                            |
| 5000001328      | 31.10.2015   | -196.580,38                                                                            |
| 5800000415      | 31.07.2017   | 196.409,63                                                                             |
| 5800000338      | 30.06.2017   | 195.774,27                                                                             |
| 5800000279      | 31.05.2017   | 194.384,74                                                                             |
| 4500001883      | 17.11.2016   | -186.988,06                                                                            |
| 5800000035      | 31.01.2017   | 186.733,65                                                                             |
| 5800000089      | 28.02.2017   | 186.668,73                                                                             |
| 5000000940      | 31.07.2015   | -178.344,68                                                                            |
| 5000001502      | 30.11.2016   | -173.540,71                                                                            |
| 5000000608      | 31.05.2016   | -169.280,53                                                                            |
| 5000000200      | 28.02.2015   | -161.534,38                                                                            |
| 5000000202      | 29.02.2016   | -156.589,17                                                                            |
| 5000001504      | 30.11.2016   | -154.503,50                                                                            |
| 5000001211      | 30.09.2015   | -152.128,19                                                                            |
| 5000001053      | 31.08.2016   | -149.194,88                                                                            |
| 5000000096      | 31.01.2016   | -147.932,59                                                                            |
| 5000002523      | 31.12.2017   | 140.000,00                                                                             |
| 5000000347      | 31.03.2015   | 140.000,00                                                                             |
| 5000001818      | 29.11.2017   | -140.000,00                                                                            |
| 5000000927      | 31.07.2016   | -130.470,59                                                                            |
| 5000000365      | 31.03.2016   | -117.073,88                                                                            |
| 5000001198      | 31.07.2017   | 115.066,44                                                                             |
| 5000001221      | 30.09.2014   | -114.515,77                                                                            |
| 5000000202      | 29.02.2016   | 113.302,47                                                                             |
| 5000001521      | 30.11.2015   | -107.186,77                                                                            |
| 5000000347      | 31.03.2015   | 100.000,00                                                                             |
| 5000000541      | 31.03.2017   | 96.413,24                                                                              |
| 5000001885      | 31.12.2016   | -95.056,57                                                                             |
| 5200001488      | 25.03.2010   | -94.566,48                                                                             |
| 5200002257      | 25.03.2011   | -94.566,48                                                                             |
| 5200003340      | 25.03.2012   | -94.566,48                                                                             |
| 5200005914      | 25.03.2013   | -94.566,48                                                                             |
| 5200003410      | 25.03.2014   | -94.566,48                                                                             |
| 5200002876      | 25.03.2015   | -94.566,48                                                                             |
| 5200003717      | 25.03.2016   | -94.566,48                                                                             |
| 5200004662      | 25.03.2017   | -94.566,48                                                                             |
| 5000000605      | 31.05.2015   | -87.338,66                                                                             |
| 5000000096      | 31.01.2016   | -86.487,52                                                                             |
| 5000000082      | 31.01.2015   | -81.532,01                                                                             |
| 5000001815      | 31.12.2016   | -79.814,12                                                                             |
| 5000002505      | 31.12.2017   | 78.725,61                                                                              |
| 5000001504      | 30.11.2016   | -78.019,93                                                                             |
| 5000000035      | 18.01.2017   | -75.954,56                                                                             |
| 5000000696      | 30.04.2017   | -75.767,00                                                                             |
| 5000001996      | 15.12.2017   | -74.251,28                                                                             |
| 5000000202      | 29.02.2016   | -72.751,94                                                                             |
| 5000002523      | 31.12.2017   | 70.000,00                                                                              |
| 4500002460      | 28.12.2017   | -69.813,95                                                                             |
| 5000001797      | 31.12.2015   | -66.885,81                                                                             |
| 5000000802      | 30.06.2016   | -64.380,16                                                                             |
| 5000000340      | 31.03.2015   | -64.187,07                                                                             |
| 5000000509      | 30.04.2016   | 62.449,80                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001502      | 30.09.2017   | 60.110,36                                                                              |
| 5000000450      | 30.04.2015   | -55.827,70                                                                             |
| 5000000509      | 30.04.2016   | -55.594,04                                                                             |
| 5000000450      | 30.04.2015   | -54.664,53                                                                             |
| 5000001521      | 30.11.2015   | -50.661,08                                                                             |
| 5000001047      | 30.06.2017   | -48.073,11                                                                             |
| 5000001211      | 30.09.2015   | -47.750,36                                                                             |
| 5000000822      | 31.05.2017   | -46.550,51                                                                             |
| 5000000313      | 28.02.2017   | -45.335,82                                                                             |
| 5000001211      | 30.09.2015   | 42.683,71                                                                              |
| 5200001488      | 25.03.2010   | -42.486,39                                                                             |
| 5200002257      | 25.03.2011   | -42.486,39                                                                             |
| 5200003340      | 25.03.2012   | -42.486,39                                                                             |
| 5200005914      | 25.03.2013   | -42.486,39                                                                             |
| 5200003410      | 25.03.2014   | -42.486,39                                                                             |
| 5200002876      | 25.03.2015   | -42.486,39                                                                             |
| 5200003717      | 25.03.2016   | -42.486,39                                                                             |
| 5200004662      | 25.03.2017   | -42.486,39                                                                             |
| 5000001728      | 31.12.2014   | 39.398,09                                                                              |
| 5000001879      | 31.12.2013   | -39.239,52                                                                             |
| 5000001815      | 31.12.2016   | -37.675,35                                                                             |
| 5000000608      | 31.05.2016   | -37.345,44                                                                             |
| 5000001349      | 31.10.2015   | -37.213,01                                                                             |
| 5000000130      | 31.01.2017   | -36.723,49                                                                             |
| 5000000313      | 28.02.2017   | -33.122,61                                                                             |
| 5000000940      | 31.07.2015   | -29.595,17                                                                             |
| 5000000130      | 31.01.2017   | -29.482,41                                                                             |
| 5000001853      | 31.12.2014   | 28.590,32                                                                              |
| 5000000696      | 30.04.2017   | -28.399,95                                                                             |
| 5000000096      | 31.01.2016   | -28.391,65                                                                             |
| 5000001797      | 31.12.2015   | -27.279,96                                                                             |
| 5000001728      | 31.12.2014   | -26.230,91                                                                             |
| 5000001800      | 31.12.2015   | 25.838,11                                                                              |
| 5000002212      | 31.12.2017   | -24.940,00                                                                             |
| 5000001349      | 31.10.2015   | -22.784,96                                                                             |
| 5000000130      | 31.01.2017   | -22.555,11                                                                             |
| 5000000138      | 31.01.2017   | -22.126,48                                                                             |
| 5000001504      | 30.11.2016   | -21.189,17                                                                             |
| 5000001189      | 30.09.2016   | -20.629,59                                                                             |
| 5000000202      | 29.02.2016   | -20.572,49                                                                             |
| 5000001330      | 31.08.2017   | -20.115,21                                                                             |
| 5000000313      | 28.02.2017   | -20.108,54                                                                             |
| 5000000509      | 30.04.2016   | -19.670,56                                                                             |
| 5000001047      | 30.06.2017   | -17.885,28                                                                             |
| 5000000541      | 31.03.2017   | -17.451,34                                                                             |
| 5000000200      | 28.02.2015   | -17.187,70                                                                             |
| 5000001771      | 01.10.2010   | 16.035,18                                                                              |
| 5000000386      | 31.03.2014   | 15.653,07                                                                              |
| 5000001879      | 31.12.2013   | -15.653,07                                                                             |
| 5000000940      | 31.07.2015   | -15.272,67                                                                             |
| 5000000509      | 31.03.2011   | 15.033,33                                                                              |
| 5000002220      | 31.12.2010   | 14.840,41                                                                              |
| 5000001885      | 31.12.2016   | 14.835,93                                                                              |
| 5000000202      | 29.02.2016   | -14.810,41                                                                             |
| 5000001771      | 01.10.2010   | 14.649,96                                                                              |
| 5000001504      | 30.11.2016   | -14.563,40                                                                             |
| 5000001771      | 01.10.2010   | 14.461,95                                                                              |
| 5000000538      | 31.03.2012   | 13.978,36                                                                              |
| 5000000365      | 31.03.2016   | -13.811,65                                                                             |
| 5000002885      | 31.12.2011   | 13.798,97                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 9.4.b**  
Uncertain liabilities Healthcare

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001831      | 30.09.2011   | 13.621,89                                                                              |
| 5000001185      | 30.06.2011   | 13.447,08                                                                              |
| 5000001198      | 31.07.2017   | -13.350,21                                                                             |
| 5000001821      | 31.12.2015   | 13.153,52                                                                              |
| 5000000379      | 31.03.2013   | 12.867,45                                                                              |
| 5000001521      | 30.11.2015   | -12.819,99                                                                             |
| 5000001934      | 31.12.2012   | 12.702,32                                                                              |
| 5000001423      | 30.09.2012   | 12.539,31                                                                              |
| 5000000999      | 30.06.2012   | 12.378,39                                                                              |
| 5000001189      | 30.09.2016   | -12.174,75                                                                             |
| 5000001885      | 31.12.2013   | 11.547,52                                                                              |
| 5000001240      | 30.09.2013   | 11.399,33                                                                              |
| 5000000756      | 30.06.2013   | 11.253,04                                                                              |
| 5000001815      | 31.12.2016   | -10.854,55                                                                             |
| 5000001298      | 31.10.2016   | -10.283,64                                                                             |
| 5000000747      | 30.06.2015   | -10.197,96                                                                             |
| 5000001035      | 31.08.2015   | -10.197,96                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## **Annex 10.2**

### Contractual relationships Healthcare



**I. Contracts recorded in the Legal Document Management System (LDMS) of the KGaA (naming the respective LDMS number)<sup>1</sup>****1. Clinical Outsourcing**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-107499 | LCM-107508 | LCM-107822 | LCM-107995 | LCM-108570 | LCM-109654 |
| LCM-114672 | LCM-116367 | LCM-116368 | LCM-116369 | LCM-116370 | LCM-116371 |
| LCM-116373 | LCM-116375 | LCM-116380 | LCM-116382 | LCM-116396 | LCM-116549 |
| LCM-117209 | LCM-117783 | LCM-118099 | LCM-118100 | LCM-118227 | LCM-119993 |
| LCM-121074 | LCM-124582 | LCM-125684 | LCM-126179 | LCM-126223 | LCM-126238 |
| LCM-126632 | LCM-127598 | LCM-128128 | LCM-128142 | LCM-128555 | LCM-128621 |
| LCM-128624 | LCM-128660 | LCM-128662 | LCM-128663 | LCM-128664 | LCM-128665 |
| LCM-128667 | LCM-128712 | LCM-134677 | LCM-140280 | LCM-141400 | LCM-142285 |
| LCM-142586 | LCM-142740 | LCM-143533 | LCM-143608 | LCM-194094 | LCM-194237 |
| LCM-195504 | LCM-199113 | LCM-211809 | LCM-213839 | LCM-216335 | LCM-216422 |
| LCM-216633 | LCM-218138 | LCM-222882 | LCM-222999 | LCM-223594 | LCM-224229 |
| LCM-224904 | LCM-224961 | LCM-225554 | LCM-227163 | LCM-233730 | LCM-235855 |
| LCM-235993 | LCM-238476 | LCM-238481 | LCM-238483 | LCM-238486 | LCM-238489 |
| LCM-238494 | LCM-238497 | LCM-239657 | LCM-240634 | LCM-240636 | LCM-241227 |
| LCM-242275 | LCM-38479  | LCM-38802  | LCM-39188  | LCM-39322  | LCM-95406  |
| LCM-95991  | LCM-96357  | LCM-96441  | LCM-96703  | LCM-96704  | LCM-96900  |
| LCM-97118  | LCM-98862  | LCM-99011  | LCM-99531  | LCM-99974  |            |

**2. Corporate Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-119193 | LCM-124201 | LCM-140661 | LCM-143255 | LCM-210983 | LCM-220218 |
| LCM-228483 | LCM-99463  |            |            |            |            |

**3. Data Privacy Agreements**

|            |            |            |
|------------|------------|------------|
| LCM-119628 | LCM-132160 | LCM-132162 |
|------------|------------|------------|

**4. Distribution Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-115902 | LCM-116759 | LCM-120382 | LCM-120386 | LCM-121317 | LCM-122736 |
| LCM-124147 | LCM-124303 | LCM-125457 | LCM-126428 | LCM-133430 | LCM-137247 |
| LCM-195309 | LCM-215260 | LCM-59417  | LCM-99371  | LCM-99618  |            |

**5. Finance Agreements**

|            |            |            |
|------------|------------|------------|
| LCM-125977 | LCM-141711 | LCM-221410 |
|------------|------------|------------|

**6. Intercompany Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-108152 | LCM-119928 | LCM-120648 | LCM-120657 | LCM-120680 | LCM-120704 |
| LCM-120705 | LCM-120709 | LCM-126501 | LCM-127592 | LCM-128144 | LCM-128146 |
| LCM-128390 | LCM-128397 | LCM-128422 | LCM-128424 | LCM-128427 | LCM-128428 |
| LCM-128430 | LCM-128431 | LCM-128432 | LCM-128433 | LCM-128434 | LCM-128435 |
| LCM-128437 | LCM-128438 | LCM-128440 | LCM-129792 | LCM-134659 | LCM-143644 |
| LCM-196684 | LCM-201327 | LCM-201820 | LCM-242424 | LCM-242427 | LCM-242428 |
| LCM-244390 | LCM-48342  | LCM-90705  | LCM-96899  | LCM-96961  | LCM-99193  |

<sup>1</sup> Listed under I. of the annex are contracts with their respective contract number, both being registered in the contract database "Legal Document Management System" of Merck KGaA, Darmstadt, Deutschland.

**Annex 10.2**  
Contractual relationships Healthcare

LCM-99194

**7. IP License Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-112622 | LCM-112711 | LCM-118541 | LCM-121069 | LCM-122788 | LCM-123454 |
| LCM-123943 | LCM-124143 | LCM-124230 | LCM-125099 | LCM-125150 | LCM-125696 |
| LCM-126675 | LCM-128521 | LCM-128522 | LCM-128523 | LCM-128764 | LCM-128951 |
| LCM-129906 | LCM-130096 | LCM-133401 | LCM-134322 | LCM-137328 | LCM-138752 |
| LCM-139559 | LCM-139662 | LCM-142314 | LCM-196300 | LCM-197012 | LCM-207218 |
| LCM-207502 | LCM-208328 | LCM-208754 | LCM-214346 | LCM-221465 | LCM-223418 |
| LCM-224346 | LCM-225527 | LCM-226951 | LCM-227893 | LCM-227898 | LCM-227910 |
| LCM-227915 | LCM-229691 | LCM-236061 | LCM-238226 | LCM-239721 | LCM-240544 |
| LCM-242725 | LCM-242726 | LCM-242737 | LCM-47198  | LCM-48761  | LCM-53356  |
| LCM-54035  | LCM-59526  | LCM-63616  | LCM-63722  | LCM-65586  | LCM-65601  |
| LCM-66609  | LCM-69711  | LCM-85324  | LCM-85680  | LCM-91076  | LCM-95416  |

**8. IT-contracts**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-103736 | LCM-117086 | LCM-118095 | LCM-195344 | LCM-210815 | LCM-218034 |
| LCM-218117 | LCM-218128 | LCM-218221 | LCM-220532 | LCM-230586 | LCM-233893 |
| LCM-234328 | LCM-239642 | LCM-243179 | LCM-243182 | LCM-243183 | LCM-243187 |
| LCM-71741  | LCM-95464  | LCM-99406  |            |            |            |

**9. Letter of Intent**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-128709 | LCM-201946 | LCM-203749 | LCM-208997 | LCM-209181 | LCM-222062 |
| LCM-232932 | LCM-39066  |            |            |            |            |

**10. Material Transfer Agreements – MTA**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-107900 | LCM-108696 | LCM-115624 | LCM-115811 | LCM-115900 | LCM-117155 |
| LCM-117476 | LCM-117707 | LCM-119756 | LCM-121015 | LCM-121022 | LCM-121276 |
| LCM-121536 | LCM-122346 | LCM-124653 | LCM-128101 | LCM-130811 | LCM-131731 |
| LCM-132975 | LCM-133039 | LCM-133631 | LCM-137329 | LCM-138657 | LCM-139623 |
| LCM-139655 | LCM-139668 | LCM-140275 | LCM-141379 | LCM-141894 | LCM-141895 |
| LCM-142108 | LCM-199387 | LCM-202885 | LCM-203927 | LCM-204219 | LCM-207829 |
| LCM-210720 | LCM-211492 | LCM-212259 | LCM-213429 | LCM-213961 | LCM-215253 |
| LCM-215510 | LCM-221631 | LCM-225898 | LCM-231956 | LCM-236294 | LCM-236841 |
| LCM-241678 | LCM-241760 | LCM-242606 | LCM-243626 | LCM-243766 | LCM-86476  |
| LCM-90166  | LCM-96287  | LCM-96396  | LCM-99195  | LCM-99211  | LCM-99299  |
| LCM-99373  |            |            |            |            |            |

**11. Other Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-106959 | LCM-106960 | LCM-106984 | LCM-107100 | LCM-107101 | LCM-107316 |
| LCM-107761 | LCM-107792 | LCM-107795 | LCM-107832 | LCM-107863 | LCM-107869 |
| LCM-107879 | LCM-107899 | LCM-107915 | LCM-107928 | LCM-107933 | LCM-108004 |
| LCM-108667 | LCM-114612 | LCM-114791 | LCM-114886 | LCM-114971 | LCM-115093 |
| LCM-115154 | LCM-115205 | LCM-115335 | LCM-116384 | LCM-116536 | LCM-117196 |
| LCM-117325 | LCM-117589 | LCM-117590 | LCM-117591 | LCM-117594 | LCM-117610 |
| LCM-118014 | LCM-118015 | LCM-118029 | LCM-118031 | LCM-118096 | LCM-118169 |
| LCM-118344 | LCM-118422 | LCM-118461 | LCM-118509 | LCM-118522 | LCM-118960 |
| LCM-118961 | LCM-119006 | LCM-119008 | LCM-119121 | LCM-119454 | LCM-119464 |
| LCM-119507 | LCM-119512 | LCM-119581 | LCM-119647 | LCM-119662 | LCM-119720 |
| LCM-119758 | LCM-119913 | LCM-120107 | LCM-120148 | LCM-120277 | LCM-120377 |
| LCM-120387 | LCM-120469 | LCM-120479 | LCM-120517 | LCM-120633 | LCM-120783 |
| LCM-120805 | LCM-120927 | LCM-120934 | LCM-120944 | LCM-120946 | LCM-121005 |

## Annex 10.2

## Contractual relationships Healthcare

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-121043 | LCM-121073 | LCM-121248 | LCM-121252 | LCM-121257 | LCM-121258 |
| LCM-121262 | LCM-121359 | LCM-121515 | LCM-121531 | LCM-121533 | LCM-121534 |
| LCM-121541 | LCM-121585 | LCM-121652 | LCM-121900 | LCM-121924 | LCM-121928 |
| LCM-121953 | LCM-122267 | LCM-122289 | LCM-123107 | LCM-123128 | LCM-123427 |
| LCM-123572 | LCM-123575 | LCM-123634 | LCM-123857 | LCM-123950 | LCM-124031 |
| LCM-124101 | LCM-124145 | LCM-124187 | LCM-124199 | LCM-124204 | LCM-124205 |
| LCM-124206 | LCM-124231 | LCM-124298 | LCM-124345 | LCM-124355 | LCM-124465 |
| LCM-124602 | LCM-124629 | LCM-124713 | LCM-124854 | LCM-125007 | LCM-125163 |
| LCM-125215 | LCM-125361 | LCM-125365 | LCM-125413 | LCM-125685 | LCM-125998 |
| LCM-126061 | LCM-126211 | LCM-126279 | LCM-126322 | LCM-126367 | LCM-126384 |
| LCM-126435 | LCM-126443 | LCM-126699 | LCM-126772 | LCM-127073 | LCM-127725 |
| LCM-128099 | LCM-128255 | LCM-128305 | LCM-128486 | LCM-128952 | LCM-128953 |
| LCM-129396 | LCM-129404 | LCM-129597 | LCM-129624 | LCM-129876 | LCM-130095 |
| LCM-130220 | LCM-131285 | LCM-131625 | LCM-131638 | LCM-131639 | LCM-132295 |
| LCM-132305 | LCM-132306 | LCM-132307 | LCM-132403 | LCM-132443 | LCM-132478 |
| LCM-132775 | LCM-132995 | LCM-133209 | LCM-133455 | LCM-133568 | LCM-133705 |
| LCM-133982 | LCM-134786 | LCM-134788 | LCM-134809 | LCM-134816 | LCM-136747 |
| LCM-136869 | LCM-137488 | LCM-138749 | LCM-139301 | LCM-139841 | LCM-139843 |
| LCM-140003 | LCM-140264 | LCM-140415 | LCM-140420 | LCM-140424 | LCM-140500 |
| LCM-140700 | LCM-140849 | LCM-141130 | LCM-141470 | LCM-141502 | LCM-141943 |
| LCM-142078 | LCM-142286 | LCM-142350 | LCM-142351 | LCM-142499 | LCM-143237 |
| LCM-143338 | LCM-143353 | LCM-143359 | LCM-143365 | LCM-143429 | LCM-143532 |
| LCM-193842 | LCM-196309 | LCM-196332 | LCM-196572 | LCM-196815 | LCM-196826 |
| LCM-196827 | LCM-197013 | LCM-197113 | LCM-197189 | LCM-197289 | LCM-197333 |
| LCM-197435 | LCM-197478 | LCM-197481 | LCM-198121 | LCM-199159 | LCM-199448 |
| LCM-199531 | LCM-199769 | LCM-200494 | LCM-201216 | LCM-202835 | LCM-202880 |
| LCM-203538 | LCM-203557 | LCM-203636 | LCM-203739 | LCM-203752 | LCM-203832 |
| LCM-204307 | LCM-204314 | LCM-205106 | LCM-205470 | LCM-205474 | LCM-205813 |
| LCM-206056 | LCM-206415 | LCM-206932 | LCM-207039 | LCM-207376 | LCM-208199 |
| LCM-208200 | LCM-208568 | LCM-209004 | LCM-209033 | LCM-209772 | LCM-210325 |
| LCM-210740 | LCM-210744 | LCM-210745 | LCM-210793 | LCM-211057 | LCM-211058 |
| LCM-211059 | LCM-211661 | LCM-211866 | LCM-212278 | LCM-212523 | LCM-213331 |
| LCM-213334 | LCM-213448 | LCM-213502 | LCM-213541 | LCM-214120 | LCM-214242 |
| LCM-215255 | LCM-215503 | LCM-215514 | LCM-215519 | LCM-215752 | LCM-216079 |
| LCM-216095 | LCM-216124 | LCM-217932 | LCM-221188 | LCM-221190 | LCM-221284 |
| LCM-221505 | LCM-221518 | LCM-221530 | LCM-222538 | LCM-223050 | LCM-223729 |
| LCM-224349 | LCM-224740 | LCM-225346 | LCM-225472 | LCM-225473 | LCM-225478 |
| LCM-225480 | LCM-225498 | LCM-225499 | LCM-225505 | LCM-225507 | LCM-225510 |
| LCM-225511 | LCM-225538 | LCM-226506 | LCM-226648 | LCM-226655 | LCM-227057 |
| LCM-227058 | LCM-227086 | LCM-227135 | LCM-227139 | LCM-227165 | LCM-227171 |
| LCM-227437 | LCM-227579 | LCM-228102 | LCM-228152 | LCM-229735 | LCM-229828 |
| LCM-229836 | LCM-229838 | LCM-229839 | LCM-229842 | LCM-230353 | LCM-230354 |
| LCM-230360 | LCM-230361 | LCM-230362 | LCM-230363 | LCM-231686 | LCM-231687 |
| LCM-231944 | LCM-232309 | LCM-232363 | LCM-233383 | LCM-233395 | LCM-233409 |
| LCM-233587 | LCM-233651 | LCM-233961 | LCM-234016 | LCM-234313 | LCM-234400 |
| LCM-234607 | LCM-235309 | LCM-235312 | LCM-235316 | LCM-235561 | LCM-235657 |
| LCM-235660 | LCM-235836 | LCM-235932 | LCM-236000 | LCM-236060 | LCM-236617 |
| LCM-236946 | LCM-237110 | LCM-237163 | LCM-238234 | LCM-238297 | LCM-238298 |
| LCM-238300 | LCM-238301 | LCM-238611 | LCM-238615 | LCM-238626 | LCM-238654 |
| LCM-238658 | LCM-238674 | LCM-238680 | LCM-238688 | LCM-238692 | LCM-238705 |
| LCM-238706 | LCM-238723 | LCM-238737 | LCM-238738 | LCM-238747 | LCM-238749 |
| LCM-240220 | LCM-240230 | LCM-240476 | LCM-241540 | LCM-241541 | LCM-241542 |
| LCM-241911 | LCM-242376 | LCM-242431 | LCM-242476 | LCM-242479 | LCM-242482 |
| LCM-242485 | LCM-242486 | LCM-242489 | LCM-242492 | LCM-242494 | LCM-242506 |
| LCM-242733 | LCM-242734 | LCM-242744 | LCM-242745 | LCM-242747 | LCM-242794 |

**Annex 10.2****Contractual relationships Healthcare**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-242798 | LCM-242822 | LCM-242823 | LCM-242826 | LCM-242874 | LCM-242876 |
| LCM-242880 | LCM-242886 | LCM-242891 | LCM-242894 | LCM-242899 | LCM-242909 |
| LCM-242910 | LCM-242911 | LCM-242915 | LCM-242918 | LCM-242921 | LCM-242922 |
| LCM-242924 | LCM-242926 | LCM-242927 | LCM-242930 | LCM-243006 | LCM-243036 |
| LCM-243041 | LCM-243043 | LCM-243047 | LCM-243051 | LCM-243052 | LCM-243053 |
| LCM-243054 | LCM-243055 | LCM-243056 | LCM-243057 | LCM-243059 | LCM-243067 |
| LCM-243074 | LCM-243077 | LCM-243311 | LCM-243316 | LCM-243319 | LCM-243323 |
| LCM-243328 | LCM-243330 | LCM-243334 | LCM-243427 | LCM-243483 | LCM-243485 |
| LCM-243487 | LCM-243498 | LCM-243500 | LCM-243501 | LCM-243616 | LCM-243618 |
| LCM-243623 | LCM-243624 | LCM-243625 | LCM-243629 | LCM-243631 | LCM-243632 |
| LCM-243637 | LCM-243762 | LCM-243781 | LCM-243787 | LCM-243792 | LCM-243794 |
| LCM-243796 | LCM-243800 | LCM-243802 | LCM-243806 | LCM-243808 | LCM-243814 |
| LCM-243819 | LCM-243823 | LCM-244002 | LCM-244009 | LCM-244012 | LCM-244015 |
| LCM-244017 | LCM-244018 | LCM-244021 | LCM-244022 | LCM-244028 | LCM-244029 |
| LCM-244060 | LCM-244063 | LCM-244064 | LCM-244068 | LCM-244069 | LCM-244070 |
| LCM-244071 | LCM-244072 | LCM-244073 | LCM-244084 | LCM-244086 | LCM-244150 |
| LCM-244158 | LCM-244159 | LCM-244160 | LCM-244162 | LCM-244163 | LCM-244166 |
| LCM-244168 | LCM-244170 | LCM-244172 | LCM-244174 | LCM-244175 | LCM-244177 |
| LCM-244179 | LCM-244182 | LCM-244183 | LCM-244185 | LCM-244186 | LCM-244187 |
| LCM-244189 | LCM-244190 | LCM-244191 | LCM-244192 | LCM-244194 | LCM-244195 |
| LCM-244196 | LCM-244197 | LCM-244199 | LCM-244200 | LCM-244201 | LCM-244202 |
| LCM-244203 | LCM-244204 | LCM-244205 | LCM-244206 | LCM-244208 | LCM-244209 |
| LCM-244210 | LCM-244212 | LCM-244213 | LCM-244214 | LCM-244215 | LCM-244216 |
| LCM-244217 | LCM-244218 | LCM-244220 | LCM-244221 | LCM-244222 | LCM-244223 |
| LCM-244224 | LCM-244226 | LCM-244227 | LCM-244228 | LCM-244229 | LCM-244243 |
| LCM-244244 | LCM-244245 | LCM-244247 | LCM-244248 | LCM-244249 | LCM-244252 |
| LCM-244253 | LCM-244254 | LCM-244255 | LCM-244256 | LCM-244258 | LCM-244269 |
| LCM-244274 | LCM-244277 | LCM-244282 | LCM-244400 | LCM-244480 | LCM-244482 |
| LCM-244492 | LCM-244944 | LCM-244946 | LCM-51909  | LCM-58978  | LCM-59464  |
| LCM-63233  | LCM-65105  | LCM-66972  | LCM-67351  | LCM-67426  | LCM-68523  |
| LCM-85787  | LCM-90670  | LCM-92248  | LCM-92474  | LCM-92594  | LCM-95420  |
| LCM-95423  | LCM-95437  | LCM-96285  | LCM-96931  | LCM-96935  | LCM-97848  |
| LCM-98538  | LCM-98792  | LCM-99217  | LCM-99274  | LCM-99313  | LCM-99329  |
| LCM-99527  | LCM-99783  | LCM-100206 | LCM-100760 | LCM-100809 | LCM-104370 |
| LCM-116314 | LCM-143511 | LCM-31902  | LCM-32048  | LCM-32803  | LCM-33189  |
| LCM-33724  | LCM-33790  | LCM-33836  | LCM-34545  | LCM-34710  | LCM-35378  |
| LCM-37224  | LCM-37424  | LCM-37567  | LCM-37962  | LCM-38187  | LCM-38264  |
| LCM-38276  | LCM-38455  | LCM-41884  | LCM-64477  | LCM-65995  | LCM-66057  |
| LCM-68285  | LCM-68310  | LCM-68360  | LCM-68381  | LCM-86651  | LCM-94131  |
| LCM-94133  | LCM-242613 | LCM-243297 | LCM-247297 |            |            |

**12. Participants Agreements**

|            |            |            |            |
|------------|------------|------------|------------|
| LCM-121271 | LCM-132301 | LCM-196318 | LCM-196320 |
|------------|------------|------------|------------|

**13. Procurement Agreements -In**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-100340 | LCM-100341 | LCM-100750 | LCM-103509 | LCM-103550 | LCM-105879 |
| LCM-114915 | LCM-115798 | LCM-115817 | LCM-115837 | LCM-129102 | LCM-130870 |
| LCM-133201 | LCM-133204 | LCM-134454 | LCM-137031 | LCM-137128 | LCM-137242 |
| LCM-138030 | LCM-138318 | LCM-138684 | LCM-140134 | LCM-140148 | LCM-140340 |
| LCM-140344 | LCM-141409 | LCM-142161 | LCM-142300 | LCM-194548 | LCM-196137 |
| LCM-198972 | LCM-202018 | LCM-203056 | LCM-203271 | LCM-203534 | LCM-204020 |

**Annex 10.2****Contractual relationships Healthcare**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-205514 | LCM-208415 | LCM-208993 | LCM-209290 | LCM-211024 | LCM-211956 |
| LCM-213078 | LCM-213194 | LCM-213202 | LCM-225126 | LCM-227436 | LCM-229709 |
| LCM-231893 | LCM-232008 | LCM-232439 | LCM-233536 | LCM-235812 | LCM-235937 |
| LCM-236301 | LCM-237493 | LCM-243174 | LCM-39509  | LCM-53150  | LCM-72351  |
| LCM-85323  | LCM-95599  | LCM-95724  | LCM-97423  | LCM-98540  | LCM-99161  |

**14. Product Development Agreement**

|            |           |           |           |
|------------|-----------|-----------|-----------|
| LCM-221372 | LCM-52205 | LCM-53030 | LCM-84483 |
|------------|-----------|-----------|-----------|

**15. Quality Assurance Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-123578 | LCM-126280 | LCM-197326 | LCM-200601 | LCM-202528 | LCM-203240 |
| LCM-203242 | LCM-203243 | LCM-203244 | LCM-203245 | LCM-203246 | LCM-203248 |
| LCM-203335 | LCM-203336 | LCM-203338 | LCM-203339 | LCM-203341 | LCM-203344 |
| LCM-203345 | LCM-203347 | LCM-203349 | LCM-203350 | LCM-203352 | LCM-204018 |
| LCM-206486 | LCM-230036 | LCM-54454  | LCM-86791  | LCM-95568  |            |

**16. Research and Development Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-100233 | LCM-107763 | LCM-115979 | LCM-118621 | LCM-118645 | LCM-119122 |
| LCM-119733 | LCM-119734 | LCM-119737 | LCM-120932 | LCM-121099 | LCM-121256 |
| LCM-121408 | LCM-121798 | LCM-122413 | LCM-124004 | LCM-125111 | LCM-125112 |
| LCM-129875 | LCM-130342 | LCM-131541 | LCM-133443 | LCM-134315 | LCM-137543 |
| LCM-137866 | LCM-137938 | LCM-138415 | LCM-139531 | LCM-139613 | LCM-139926 |
| LCM-140231 | LCM-141702 | LCM-142111 | LCM-142204 | LCM-183020 | LCM-194138 |
| LCM-195348 | LCM-197390 | LCM-198234 | LCM-198528 | LCM-198532 | LCM-198534 |
| LCM-198536 | LCM-198597 | LCM-198606 | LCM-198773 | LCM-198774 | LCM-198775 |
| LCM-198778 | LCM-198779 | LCM-198781 | LCM-198839 | LCM-199633 | LCM-202573 |
| LCM-202575 | LCM-202611 | LCM-202758 | LCM-203753 | LCM-205606 | LCM-205867 |
| LCM-205868 | LCM-207031 | LCM-207073 | LCM-207138 | LCM-207169 | LCM-207593 |
| LCM-207662 | LCM-208190 | LCM-208998 | LCM-209984 | LCM-211496 | LCM-213362 |
| LCM-213966 | LCM-217926 | LCM-221280 | LCM-221469 | LCM-221620 | LCM-221878 |
| LCM-222820 | LCM-226667 | LCM-226824 | LCM-226953 | LCM-227439 | LCM-227441 |
| LCM-227879 | LCM-227905 | LCM-228310 | LCM-233629 | LCM-235025 | LCM-235322 |
| LCM-236059 | LCM-236159 | LCM-238204 | LCM-238815 | LCM-242742 | LCM-62555  |
| LCM-64744  | LCM-67352  | LCM-91010  | LCM-92172  | LCM-95373  | LCM-95375  |
| LCM-95667  |            |            |            |            |            |

**17. Safety Data Exchange Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-107755 | LCM-107757 | LCM-114720 | LCM-114883 | LCM-115033 | LCM-142493 |
| LCM-208785 | LCM-208788 | LCM-208790 | LCM-208793 | LCM-209910 | LCM-212260 |
| LCM-215237 | LCM-215238 | LCM-215240 | LCM-242258 | LCM-242273 | LCM-242364 |
| LCM-242472 | LCM-242739 | LCM-96480  |            |            |            |

**18. Sales Agreements-Out direct**

|            |            |
|------------|------------|
| LCM-206495 | LCM-236057 |
|------------|------------|

**19. Service Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-103925 | LCM-107875 | LCM-107887 | LCM-107893 | LCM-107908 | LCM-107911 |
| LCM-108647 | LCM-108648 | LCM-109739 | LCM-109746 | LCM-109804 | LCM-115208 |
| LCM-115514 | LCM-116046 | LCM-116048 | LCM-116049 | LCM-116052 | LCM-116132 |
| LCM-116133 | LCM-116191 | LCM-116192 | LCM-116194 | LCM-116198 | LCM-116269 |
| LCM-116508 | LCM-117511 | LCM-117896 | LCM-119460 | LCM-120572 | LCM-121434 |

## Annex 10.2

## Contractual relationships Healthcare

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-122337 | LCM-122412 | LCM-122804 | LCM-123646 | LCM-124381 | LCM-124681 |
| LCM-124754 | LCM-125322 | LCM-125423 | LCM-125510 | LCM-126011 | LCM-126064 |
| LCM-127993 | LCM-129238 | LCM-129546 | LCM-132395 | LCM-133531 | LCM-134083 |
| LCM-134655 | LCM-137171 | LCM-138017 | LCM-139656 | LCM-140033 | LCM-140074 |
| LCM-140075 | LCM-140076 | LCM-140590 | LCM-140659 | LCM-140670 | LCM-141876 |
| LCM-141903 | LCM-142452 | LCM-142697 | LCM-142739 | LCM-142897 | LCM-143084 |
| LCM-143138 | LCM-193832 | LCM-193990 | LCM-196523 | LCM-197299 | LCM-198529 |
| LCM-198539 | LCM-198596 | LCM-198603 | LCM-198605 | LCM-198607 | LCM-198609 |
| LCM-198610 | LCM-198627 | LCM-198629 | LCM-198633 | LCM-198667 | LCM-198668 |
| LCM-198669 | LCM-198670 | LCM-198671 | LCM-202261 | LCM-202262 | LCM-202568 |
| LCM-202586 | LCM-203713 | LCM-203714 | LCM-203889 | LCM-203893 | LCM-205857 |
| LCM-205859 | LCM-205860 | LCM-205861 | LCM-205863 | LCM-205864 | LCM-205866 |
| LCM-206133 | LCM-207656 | LCM-207947 | LCM-207948 | LCM-207950 | LCM-207994 |
| LCM-208010 | LCM-208044 | LCM-208127 | LCM-208516 | LCM-208631 | LCM-208686 |
| LCM-208752 | LCM-211055 | LCM-211657 | LCM-211793 | LCM-211869 | LCM-212120 |
| LCM-212710 | LCM-212860 | LCM-213197 | LCM-213356 | LCM-213616 | LCM-213800 |
| LCM-214637 | LCM-214877 | LCM-215233 | LCM-215511 | LCM-215512 | LCM-217236 |
| LCM-217873 | LCM-219043 | LCM-219166 | LCM-220247 | LCM-220553 | LCM-220555 |
| LCM-220556 | LCM-220561 | LCM-220570 | LCM-220571 | LCM-220572 | LCM-220576 |
| LCM-220577 | LCM-220583 | LCM-220587 | LCM-220589 | LCM-220621 | LCM-220622 |
| LCM-220655 | LCM-220668 | LCM-220840 | LCM-220846 | LCM-220880 | LCM-220883 |
| LCM-221007 | LCM-221009 | LCM-221162 | LCM-221353 | LCM-221354 | LCM-221877 |
| LCM-221880 | LCM-221890 | LCM-221936 | LCM-221938 | LCM-222180 | LCM-222194 |
| LCM-222268 | LCM-222499 | LCM-222793 | LCM-223038 | LCM-223040 | LCM-223371 |
| LCM-223379 | LCM-223454 | LCM-223677 | LCM-223678 | LCM-223680 | LCM-223684 |
| LCM-223687 | LCM-223756 | LCM-223757 | LCM-223767 | LCM-223768 | LCM-223769 |
| LCM-223771 | LCM-223772 | LCM-223773 | LCM-223827 | LCM-223832 | LCM-223833 |
| LCM-223835 | LCM-223837 | LCM-223838 | LCM-223841 | LCM-223845 | LCM-223848 |
| LCM-223849 | LCM-223852 | LCM-223854 | LCM-223855 | LCM-223856 | LCM-223857 |
| LCM-223858 | LCM-223860 | LCM-223862 | LCM-223863 | LCM-223864 | LCM-223865 |
| LCM-223866 | LCM-223867 | LCM-223868 | LCM-223869 | LCM-223870 | LCM-224036 |
| LCM-224037 | LCM-224038 | LCM-224041 | LCM-224043 | LCM-224045 | LCM-224047 |
| LCM-224049 | LCM-224051 | LCM-224053 | LCM-224054 | LCM-224055 | LCM-224057 |
| LCM-224060 | LCM-224062 | LCM-224064 | LCM-224066 | LCM-224067 | LCM-224068 |
| LCM-224351 | LCM-224354 | LCM-224358 | LCM-224359 | LCM-224360 | LCM-224361 |
| LCM-224362 | LCM-224364 | LCM-224365 | LCM-224366 | LCM-224367 | LCM-224368 |
| LCM-224370 | LCM-224373 | LCM-224374 | LCM-224375 | LCM-224380 | LCM-224383 |
| LCM-224384 | LCM-224388 | LCM-224392 | LCM-224393 | LCM-224394 | LCM-224395 |
| LCM-224396 | LCM-224397 | LCM-224398 | LCM-224434 | LCM-224435 | LCM-224436 |
| LCM-224437 | LCM-224438 | LCM-224439 | LCM-224440 | LCM-224441 | LCM-224442 |
| LCM-224443 | LCM-224444 | LCM-224446 | LCM-224447 | LCM-224449 | LCM-224450 |
| LCM-224451 | LCM-224454 | LCM-224461 | LCM-224463 | LCM-224689 | LCM-224694 |
| LCM-224697 | LCM-224699 | LCM-224701 | LCM-224702 | LCM-224703 | LCM-224705 |
| LCM-224735 | LCM-224737 | LCM-224738 | LCM-224739 | LCM-224741 | LCM-224742 |
| LCM-224743 | LCM-224744 | LCM-224745 | LCM-224747 | LCM-224748 | LCM-224750 |
| LCM-224752 | LCM-224756 | LCM-224758 | LCM-224760 | LCM-224762 | LCM-224764 |
| LCM-224765 | LCM-224769 | LCM-224770 | LCM-224772 | LCM-224774 | LCM-224775 |
| LCM-224777 | LCM-224778 | LCM-224780 | LCM-224782 | LCM-224798 | LCM-224800 |
| LCM-224801 | LCM-224803 | LCM-224807 | LCM-224808 | LCM-224809 | LCM-224810 |
| LCM-224812 | LCM-224945 | LCM-224950 | LCM-224952 | LCM-224953 | LCM-224956 |
| LCM-224958 | LCM-224960 | LCM-224962 | LCM-224963 | LCM-224964 | LCM-224965 |
| LCM-225923 | LCM-225927 | LCM-225963 | LCM-225965 | LCM-225967 | LCM-225969 |
| LCM-225970 | LCM-225971 | LCM-226260 | LCM-226265 | LCM-226269 | LCM-226273 |
| LCM-226282 | LCM-226284 | LCM-226324 | LCM-226325 | LCM-226327 | LCM-226328 |
| LCM-226329 | LCM-226331 | LCM-226332 | LCM-226336 | LCM-226405 | LCM-226425 |

## Annex 10.2

## Contractual relationships Healthcare

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-226427 | LCM-226430 | LCM-226436 | LCM-226649 | LCM-226652 | LCM-226710 |
| LCM-226733 | LCM-227010 | LCM-227012 | LCM-227013 | LCM-227014 | LCM-227016 |
| LCM-227018 | LCM-227020 | LCM-227021 | LCM-227022 | LCM-227024 | LCM-227025 |
| LCM-227028 | LCM-227029 | LCM-227031 | LCM-227032 | LCM-227082 | LCM-227084 |
| LCM-227089 | LCM-227147 | LCM-227149 | LCM-227152 | LCM-227495 | LCM-227496 |
| LCM-227498 | LCM-227500 | LCM-227501 | LCM-227514 | LCM-227518 | LCM-227525 |
| LCM-227527 | LCM-227591 | LCM-227600 | LCM-227610 | LCM-227627 | LCM-227634 |
| LCM-227694 | LCM-227696 | LCM-227697 | LCM-227698 | LCM-227699 | LCM-227701 |
| LCM-227705 | LCM-227792 | LCM-227793 | LCM-227794 | LCM-227796 | LCM-227800 |
| LCM-227801 | LCM-228135 | LCM-228137 | LCM-228141 | LCM-228144 | LCM-228219 |
| LCM-228221 | LCM-228222 | LCM-228223 | LCM-228224 | LCM-228225 | LCM-228226 |
| LCM-228227 | LCM-228228 | LCM-228229 | LCM-228231 | LCM-228232 | LCM-228235 |
| LCM-228237 | LCM-228240 | LCM-228242 | LCM-228244 | LCM-228246 | LCM-228247 |
| LCM-228250 | LCM-228251 | LCM-228253 | LCM-228254 | LCM-228493 | LCM-228495 |
| LCM-228498 | LCM-228500 | LCM-228501 | LCM-228502 | LCM-228506 | LCM-228512 |
| LCM-228514 | LCM-228518 | LCM-228519 | LCM-228521 | LCM-228522 | LCM-228564 |
| LCM-228565 | LCM-228566 | LCM-228567 | LCM-228572 | LCM-228575 | LCM-228580 |
| LCM-228586 | LCM-228587 | LCM-228716 | LCM-228729 | LCM-228740 | LCM-228742 |
| LCM-228744 | LCM-228794 | LCM-228809 | LCM-229339 | LCM-229346 | LCM-229351 |
| LCM-229362 | LCM-229376 | LCM-229555 | LCM-229560 | LCM-229568 | LCM-229569 |
| LCM-229574 | LCM-229629 | LCM-229630 | LCM-229642 | LCM-229696 | LCM-229859 |
| LCM-229925 | LCM-229926 | LCM-229932 | LCM-229942 | LCM-229944 | LCM-230033 |
| LCM-230035 | LCM-230037 | LCM-230039 | LCM-230054 | LCM-230055 | LCM-230056 |
| LCM-230318 | LCM-230319 | LCM-230320 | LCM-230321 | LCM-230322 | LCM-230323 |
| LCM-230325 | LCM-230326 | LCM-230331 | LCM-230378 | LCM-230938 | LCM-231171 |
| LCM-231173 | LCM-231174 | LCM-231176 | LCM-231183 | LCM-231184 | LCM-231185 |
| LCM-231186 | LCM-231188 | LCM-231190 | LCM-231191 | LCM-231193 | LCM-231236 |
| LCM-231237 | LCM-231239 | LCM-231240 | LCM-231242 | LCM-231243 | LCM-231247 |
| LCM-231249 | LCM-231250 | LCM-231252 | LCM-231253 | LCM-231255 | LCM-231448 |
| LCM-231451 | LCM-231452 | LCM-231453 | LCM-231454 | LCM-231455 | LCM-231456 |
| LCM-231458 | LCM-231459 | LCM-231460 | LCM-231461 | LCM-231462 | LCM-231463 |
| LCM-231464 | LCM-231466 | LCM-231467 | LCM-231469 | LCM-231514 | LCM-231515 |
| LCM-231518 | LCM-231520 | LCM-231743 | LCM-231746 | LCM-231747 | LCM-231749 |
| LCM-231751 | LCM-231764 | LCM-231768 | LCM-231770 | LCM-231771 | LCM-231772 |
| LCM-231773 | LCM-231828 | LCM-231829 | LCM-231831 | LCM-231833 | LCM-232002 |
| LCM-232009 | LCM-232010 | LCM-232011 | LCM-232012 | LCM-232013 | LCM-232014 |
| LCM-232015 | LCM-232016 | LCM-232017 | LCM-232223 | LCM-232227 | LCM-232228 |
| LCM-232231 | LCM-232232 | LCM-232233 | LCM-232239 | LCM-232240 | LCM-232241 |
| LCM-232243 | LCM-232245 | LCM-232246 | LCM-232434 | LCM-232470 | LCM-232472 |
| LCM-232473 | LCM-232474 | LCM-232476 | LCM-232477 | LCM-232666 | LCM-232667 |
| LCM-232668 | LCM-232671 | LCM-232675 | LCM-232947 | LCM-233385 | LCM-233466 |
| LCM-233468 | LCM-233470 | LCM-233472 | LCM-233476 | LCM-233481 | LCM-233483 |
| LCM-233484 | LCM-233511 | LCM-233514 | LCM-233517 | LCM-233581 | LCM-233582 |
| LCM-233583 | LCM-233584 | LCM-233780 | LCM-233782 | LCM-233784 | LCM-233785 |
| LCM-233786 | LCM-233787 | LCM-233788 | LCM-233852 | LCM-234103 | LCM-234107 |
| LCM-234193 | LCM-234455 | LCM-234798 | LCM-234927 | LCM-234930 | LCM-235083 |
| LCM-235084 | LCM-235085 | LCM-235086 | LCM-235087 | LCM-235089 | LCM-235092 |
| LCM-235093 | LCM-235095 | LCM-235098 | LCM-235236 | LCM-235237 | LCM-235239 |
| LCM-235240 | LCM-235244 | LCM-235246 | LCM-235248 | LCM-235249 | LCM-235296 |
| LCM-235801 | LCM-235817 | LCM-235892 | LCM-235896 | LCM-235907 | LCM-235977 |
| LCM-235978 | LCM-235980 | LCM-236121 | LCM-236148 | LCM-236149 | LCM-236150 |
| LCM-236151 | LCM-236152 | LCM-236153 | LCM-236349 | LCM-236350 | LCM-236351 |
| LCM-236352 | LCM-236353 | LCM-236360 | LCM-236609 | LCM-236610 | LCM-236614 |
| LCM-236616 | LCM-236697 | LCM-236700 | LCM-236701 | LCM-237220 | LCM-237221 |
| LCM-237222 | LCM-237224 | LCM-237227 | LCM-237229 | LCM-237287 | LCM-237288 |

**Annex 10.2****Contractual relationships Healthcare**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-237289 | LCM-237306 | LCM-237307 | LCM-237311 | LCM-237314 | LCM-237317 |
| LCM-237486 | LCM-237487 | LCM-237489 | LCM-237496 | LCM-237497 | LCM-237498 |
| LCM-237503 | LCM-237504 | LCM-237579 | LCM-237584 | LCM-237586 | LCM-237691 |
| LCM-237745 | LCM-238325 | LCM-238482 | LCM-238649 | LCM-239105 | LCM-239176 |
| LCM-239177 | LCM-239181 | LCM-239964 | LCM-243488 | LCM-38530  | LCM-59579  |
| LCM-60198  | LCM-60235  | LCM-60236  | LCM-65604  | LCM-65983  | LCM-66141  |
| LCM-71670  | LCM-72083  | LCM-72436  | LCM-72533  | LCM-85972  | LCM-90845  |
| LCM-92162  | LCM-95304  | LCM-95309  | LCM-95314  | LCM-95333  | LCM-95352  |
| LCM-95422  | LCM-95733  | LCM-95795  | LCM-95813  | LCM-96356  | LCM-96372  |
| LCM-247298 |            |            |            |            |            |

**20. Sponsoring and Donation Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-107796 | LCM-107934 | LCM-119171 | LCM-119670 | LCM-119726 | LCM-121017 |
| LCM-122343 | LCM-127952 | LCM-133123 | LCM-212015 | LCM-212530 | LCM-222163 |
| LCM-222164 | LCM-224030 | LCM-240243 | LCM-95798  |            |            |



**II. Trademark agreements (including the respective contract number)<sup>2</sup>****1. License agreements with respect to trademark and brand rights**

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| A1432BR00 | A1599GR00 | A6068IR00 | A5174IT00 | A5162GB00 | A3564WW00 |
| A4803TR00 | A4341IT00 | A4338CN00 | A4339CN00 | A4344AU00 | A4342SM00 |
| A5044ZA00 | A4460IT00 | A4343VA00 | A5464WW00 | A2307IT00 | A1691DE00 |
| A1393WW00 | A1385IN00 | A1351IN00 | A1187KR00 | A1172IN00 | A1159CL00 |
| A1083WW00 | A3194IN00 | A3193IN00 | A5154KG00 | A4314LB00 | A4132WW00 |
| A3880IN00 | A4337CN00 | A5155WW00 | A4132RU00 | A5302WW00 | A3250IR00 |
| A5761LK00 | A1266WW00 | A6127MT00 | A3302WW00 | A2200DE00 | A1487WW00 |
| A1380WW00 | A5931WW00 | A4954ES00 | A4858MX00 | A4190DE00 | A3301WW00 |
| A2088IN00 | A1388WW00 | A1379DE00 | A5225WW00 | A5039WW00 | A2195AR00 |
| A1699WW00 | A1160WW00 | A7689WW00 | A5153IT00 | A6223WW00 | A3094WW00 |
| A5611LY00 | A1378WW00 | A1484WW00 | A3685IN00 | A5086AR00 | A3304WW00 |
| A3195PH00 | A2154IN00 | A2117GR00 | A1394WW00 | A1392ID00 | A2194DE00 |
| A6071ID00 |           |           |           |           |           |

**2. Other agreements with respect to trademark and brand rights**

|           |           |            |            |           |           |
|-----------|-----------|------------|------------|-----------|-----------|
| A5757DE00 | A5755WW00 | A5754WW00  | A5741WW00  | A5736WW00 | A5731WW00 |
| A5753DE00 | A1624DE00 | A5756WW00  | A5752WW00  | A1492DE00 | A5744WW00 |
| A5735WW00 | A5734WW00 | A5737DE00  | A5739WO00  | A5745WW00 | A5748WW00 |
| A5763DE00 | A1497DE00 | A1538DE00  | A1291DE00  | A5325DE00 | A5079DE00 |
| A5073WW00 | A4896DE00 | A1085DE00  | A3925WW00  | A3714DE00 | A3346DE00 |
| A3333DE00 | A3437DE00 | A3538WW00  | A5078WW00  | A5080DE00 | A5732WW00 |
| A5733WW00 | A5738WW00 | A5740DE00  | A5742DE00  | A5743DE00 | A5746DE00 |
| A5747WW00 | A5749WW00 | A5750DE00  | A5751WW00  | A2100DE00 | A1980DE00 |
| A3374BR00 | A1668GR00 | A2006DE00  | A2005DE00  | A1519WW00 | A5141DO00 |
| A3107ZA00 | A1126ES00 | A6069AR00  | A5396WW00  | A5387IT00 | A3458FR00 |
| A4972AR00 | A2192AR00 | A4735WW00  | A1616EC00  | A3543SE00 | A4815AR00 |
| A1926WW00 | A1707DE00 | A1706WW00  | A1586BR00  | A1453WW00 | A5683WW00 |
| A5668DZ00 | A5651DE00 | A1335DE00  | A1327DE00  | A5653GB00 | A5676SE00 |
| A5684WW00 | A1454WW00 | A1489AR00  | A1731ES00  | A1871WW00 | A5491WW00 |
| A5458WW00 | A5403WW00 | A5401WW00  | A5400WW00  | A5399WW00 | A5378BR00 |
| A5370DE00 | A1255DE00 | A12540IN00 | A5298WW00  | A5297WW00 | A1229WW00 |
| A5230WW00 | A1227AT00 | A5226WW00  | A1218WW00  | A1195WW00 | A5169EU00 |
| A5069EU00 | A1166WW00 | A4933WW00  | A1139WW00  | A1124WW00 | A4843EU00 |
| A1122WW00 | A1121DE00 | A1114WW00  | A4734WW00  | A4731DE00 | A4730WW00 |
| A1101WW00 | A1077WW00 | A4431IT00  | A1021DE00  | A1020WW00 | A1016WW00 |
| A1013WW00 | A1009DE00 | A1001JO00  | A4219DE00  | A4127WW00 | A4036EU00 |
| A3920WW00 | A3760FR00 | A3633EU00  | A3579WW00  | A3545AR00 | A3544AR00 |
| A3515GR00 | A3512GB00 | A3511GB00  | A3509FI00  | A3506DK00 | A3484WW00 |
| A3482DE00 | A3481WW00 | A3480DE00  | A3478DE00  | A3477DE00 | A3476DE00 |
| A3474DE00 | A3473WW00 | A3472DE00  | A3470DE00  | A3469DE00 | A3468DE00 |
| A3466DE00 | A3457WW00 | A3456FR00  | A3367WW00  | A3351FR00 | A3271WW00 |
| A2985US00 | A3356WW00 | A3467WW00  | A3471WW00  | A3475WW00 | A3485DE00 |
| A3507WW00 | A3590WW00 | A3662MX00  | A25571WW00 | A4299WW00 | A4491DE00 |
| A4732WW00 | A4733WW00 | A4736WW00  | A4737WW00  | A4738WW00 | A4801WW00 |
| A4931WW00 | A5051BR00 | A5227DE00  | A5228DE00  | A5294WW00 | A5295WW00 |

<sup>2</sup> Listed in the Annex under II. are the trademark agreements with their respective contract numbers, both being registered in the database “Patricia” of Merck KGaA, Darmstadt, Germany.

## Annex 10.2

## Contractual relationships Healthcare

|           |           |           |            |           |           |
|-----------|-----------|-----------|------------|-----------|-----------|
| A5296WW00 | A5317DE00 | A5318WW00 | A5358BR00  | A5368WW00 | A5371WW00 |
| A5372WW00 | A5374WW00 | A5397BR00 | A5398WW00  | A5402WW00 | A5492WW00 |
| A5534IT00 | A5649ES00 | A5654GB00 | A5656EU00  | A5673SE00 | A5678DE00 |
| A5679WW00 | A5680SE00 | A2095CH00 | A2063WW00  | A5955WW00 | A2002DE00 |
| A7201WW00 | A7201WW01 | A1968WW00 | A4657AU00  | A1737WW00 | A1466IN00 |
| A1219WW00 | A1112WW00 | A1100WW00 | A4071AR00  | A3701AR00 | A3968GR00 |
| A1929WW00 | A1948DE00 | A1940BR00 | A1927Z200  | A1685WW00 | A1560AR00 |
| A1535DE00 | A1494DE00 | A1429WW00 | A1427WW00  | A1420AR00 | A1418AR00 |
| A1416ES00 | A1383US00 | A1344WW00 | A1325WW00  | A1349KP00 | A1417AT00 |
| A1419DE00 | A1421AR00 | A1426US00 | A1428WW00  | A1642WO00 | A1645WW00 |
| A1299WW00 | A1163WW00 | A1128US00 | A1091EU00  | A1069AR00 | A1029WW00 |
| A4062WW00 | A3935EU00 | A3777AR00 | A3776AR00  | A3774WW00 | A3773WW00 |
| A3757WW00 | A3696WW00 | A3686US00 | A3606DE00  | A3539WW00 | A3534IN00 |
| A3490WW00 | A3362AR00 | A3354WW00 | A3345WW00  | A3340AR00 | A3313WW00 |
| A3249WW00 | A3132WW00 | A3331WW00 | A3396WW00  | A4639WW00 | A2235WW00 |
| A2013WW00 | A1972DE00 | A6156CZ00 | A2111WW00  | A4019AR00 | A4083UY00 |
| A3406AR00 | A4038AR00 | A4095AR00 | A4726AR00  | A4497WW00 | A3486AR00 |
| A1695AR00 | A1483WW00 | A1946MX00 | A12013IN00 | A4357WW00 | A4048Z200 |
| A3993EC00 | A3970CO00 | A3875WW00 | A3412WW00  | A3347WW00 | A3811DO00 |
| A3886AR00 | A4832EC00 | A5075WW00 | A2115EU00  | A2113WW00 | A7488IN00 |
| A4146EG00 | A4145RU01 | A4145RU00 | A4133IR00  | A4120IR00 | A4084HK00 |
| A3885VN00 | A3884CH00 | A3883CH00 | A3882PE00  | A3881NI00 | A3879CR00 |
| A3878BO00 | A3307EC00 | A3245EC00 | A3244EC00  | A3128CO00 | A2048IS00 |
| A2047BR00 | A2046BR00 | A4141CN00 | A1574EU00  | A4146GT00 | A7488PA00 |
| A7488NG00 | A4252MX01 | A4252MX00 | A4231CL00  | A4201GT00 | A4199IL00 |
| A4186HK00 | A4168IL00 | A7488VE00 | A4151CN00  | A4727AR00 | A5166WW00 |
| A1295DE00 | A5471DE00 | A1249WW00 | A5173DE00  | A1148WW00 | A3574HU00 |
| A3353BX00 | A3350EU00 | A4430WW00 | A4435WW00  | A4958WW00 | A4966ES00 |
| A5171DE00 | A5172DE00 | A5184WW00 | A5489WW00  | A5527WW00 | A3158WW00 |
| A4353AR00 | A3682WW00 | A3768EU00 | A3309WW00  | A4322HK00 | A4253AR00 |
| A3175WW00 | A5308DK00 | A5989IN00 | A5846DE00  | A5816WW00 | A5779DE00 |
| A5539SE00 | A5377AR00 | A3247BO00 | A5108AR00  | A3335AR00 | A3172DK00 |
| A3039CL00 | A4741AR00 | A5811DE00 | A4808AR00  | A4254AR00 | A1959Z200 |
| A1952GB00 | A1958WW00 | A7530IN01 | A6693WW03  | A1726VE00 | A1721DE00 |
| A1692WW00 | A1674WW00 | A5899WW00 | A5892DE00  | A5891WW00 | A1588EC00 |
| A5795WW00 | A5794WW00 | A1517AR00 | A5785WW00  | A5777DE00 | A5776WW00 |
| A5775DE00 | A5767WW00 | A1482BR00 | A5722WW00  | A1459BR00 | A1411WW00 |
| A1348WW00 | A1353DO00 | A5723WW00 | A1480DE00  | A5768WW00 | A5771WW00 |
| A5778DE00 | A5781WW00 | A5786WW00 | A5789WW00  | A5798DE00 | A5812WW00 |
| A5845BX00 | A1593Z200 | A5895WW00 | A1596BR00  | A5900WW00 | A5908WW00 |
| A1679BR00 | A1305WW00 | A1722HN00 | A1296WW00  | A1953GB00 | A1962WW00 |
| A1264Z200 | A1235WW00 | A1230WW00 | A1186GT00  | A1182AR00 | A5031WW00 |
| A5028WW00 | A5021WW00 | A5017WW00 | A5016WW00  | A5010DE00 | A5009WW00 |
| A1149WW00 | A1132WW00 | A1129BR00 | A4796WW00  | A1116BR00 | A4652WW00 |
| A1081CL00 | A1076CL00 | A1075Z200 | A1071WW00  | A4450WW00 | A1033CL00 |
| A1024WW00 | A1010DE00 | A4312WW00 | A4193WW00  | A4140WW00 | A4010WW00 |
| A3966WW00 | A3965DE00 | A3926DE00 | A3668WW00  | A3359AR00 | A3336EU00 |
| A3244Z200 | A3236DE00 | A3235WW00 | A3234DE00  | A3233WW00 | A3232WW00 |
| A3231DE00 | A3230WW00 | A3228WW00 | A3227DE00  | A3226DE00 | A3218DE00 |
| A3217DE00 | A3216WW00 | A3214DE00 | A3212WW00  | A3211WW00 | A3210WW00 |
| A3209WW00 | A3208WW00 | A3207WW00 | A3203WW00  | A3202DE00 | A3200DE00 |
| A3199DE00 | A3198WW00 | A3188WW00 | A3187WW00  | A3186WW00 | A3185WW00 |
| A3184WW00 | A3182WW00 | A3181WW00 | A3180WW00  | A3178WW00 | A3177WW00 |
| A3176DE00 | A3173DE00 | A3153GB00 | A3139BR00  | A3104AR00 | A3174WW00 |
| A3179WW00 | A3183WW00 | A3197WW00 | A3201WW00  | A3206DE00 | A3215DE00 |

## Annex 10.2

## Contractual relationships Healthcare

|           |           |           |           |           |            |
|-----------|-----------|-----------|-----------|-----------|------------|
| A3225DE00 | A3229WW00 | A3019WW00 | A3002DE00 | A3431JP00 | A2665WW00  |
| A3980WW00 | A4009DE00 | A2643MX00 | A4240EU00 | A4556WW00 | A4692DE00  |
| A4702WW00 | A4779Z200 | A5004WW00 | A5025WW00 | A5026WW00 | A5029WW00  |
| A5030WW00 | A5032WW00 | A5033ES00 | A5088EU00 | A2247BR00 | A2230EU00  |
| A5714PL00 | A5724DE00 | A2155WW00 | A5758PE00 | A5764WW00 | A5765WW00  |
| A5766WW00 | A2156WW00 | A5769WW00 | A5770WW00 | A5772WW00 | A5773WW00  |
| A5774WW00 | A5782DE00 | A5783WW00 | A5784WW00 | A5787WW00 | A5788WW00  |
| A5791WW00 | A5792WW00 | A5793WW00 | A5796WW00 | A5797DE00 | A5799WW00  |
| A5800WW00 | A5801WW00 | A5810CL00 | A5813WW00 | A5815WW00 | A5893WW00  |
| A5894WW00 | A5896WW00 | A5897DE00 | A5898WW00 | A2030GB00 | A5901WW00  |
| A5906WW00 | A5909WW00 | A2050MX00 | A2044HK00 | A6693WW00 | A6693WW01  |
| A6693WW02 | A2089IN00 | A5064ZW00 | A5995WW00 | A3443DE00 | A25349PT00 |
| A1516WW00 | A6134ID00 | A3894AR00 | A3459AR00 | A5213WW00 | A5204WW00  |
| A5276DE00 | A5273DE00 | A5344WW00 | A5407DE00 | A5538CL00 | A5913DO00  |
| A5729DE00 | A5728WW00 | A5720WW00 | A5434AR00 | A5274DE00 | A5267DE00  |
| A5266DE00 | A5265DE00 | A4969AR00 | A5192DE00 | A5197DE00 | A5193DE00  |
| A3810IN00 | A5143PE00 | A5209WW00 | A5205WW00 | A5269DE00 | A5207DE00  |
| A4855AR00 | A5636WW00 | A5685DE00 | A5686DE00 | A5730WW00 | A4498AR00  |
| A1951EU00 | A5807WW00 | A5712DE00 | A5711WW00 | A5703WW00 | A5698WW00  |
| A5697WW00 | A5696WW00 | A5695DE00 | A1431BR00 | A5637WW00 | A5635EU00  |
| A5625WW00 | A5616WW00 | A5615WW00 | A5594WW00 | A5588DE00 | A5587WW00  |
| A5586WW00 | A5577WW00 | A5564WW00 | A5561WW00 | A5560WW00 | A5579DE00  |
| A5582DE00 | A5589WW00 | A5595DE00 | A5556WW00 | A5619WW00 | A5626WW00  |
| A5630DE00 | A5638WW00 | A5640WW00 | A5657CL00 | A5689WW00 | A5553DE00  |
| A5552DE00 | A5699WW00 | A5704WW00 | A5707DE00 | A5717WW00 | A5726WW00  |
| A5544WW00 | A1509WW00 | A5542WW00 | A5808WW00 | A5541WW00 | A5540WW00  |
| A5985GB00 | A6693DE00 | A5490Z200 | A5446WW00 | A5443WW00 | A5442WW00  |
| A5438WW00 | A5435CR00 | A5413WW00 | A5410WW00 | A5409DE00 | A5383WW00  |
| A5293WW00 | A5283ES00 | A5275WW00 | A5270DE00 | A5268DE00 | A5259DE00  |
| A5256WW00 | A5234DE00 | A5231DZ00 | A5223WW00 | A5222DE00 | A5218WW00  |
| A5215DE00 | A5214WW00 | A5208WW00 | A5206WW00 | A5202WW00 | A5201WW00  |
| A5200WW00 | A5195DE00 | A5188WW00 | A5187WW00 | A5160PY00 | A1157WW00  |
| A1153BR00 | A1144CL00 | A4911WW00 | A4908WW00 | A4907WW00 | A1038WW00  |
| A1030WW00 | A4329WW00 | A4321VE00 | A4274WW00 | A4111WW00 | A4020AR00  |
| A3964DE00 | A3528WW00 | A3525WO00 | A3500EU00 | A3462Z200 | A3461WW00  |
| A3365AR00 | A3279DE00 | A3087WW00 | A3326CO00 | A3371WW00 | A3820WW00  |
| A2684WW00 | A2681WW00 | A2680WW00 | A2679WW00 | A2678WW00 | A4044AR00  |
| A4315WW00 | A4316DE00 | A4906WW00 | A4909WW00 | A4910WW00 | A4912WW00  |
| A4913WW00 | A5008WW00 | A5159Z200 | A5191DE00 | A5194DE00 | A5196DE00  |
| A5198DE00 | A5199WW00 | A5210DE00 | A5211WW00 | A5212WW00 | A5216WW00  |
| A5217WW00 | A5219DE00 | A5220WW00 | A5221WW00 | A5224WW00 | A5233WW00  |
| A5257DE00 | A5258WW00 | A5260WW00 | A5261DE00 | A5264NI00 | A5271DE00  |
| A5272WW00 | A5277WW00 | A5281AT00 | A5292DE00 | A5359WW00 | A5360WW00  |
| A5381SE00 | A5406WW00 | A5408WW00 | A5411WW00 | A5412WW00 | A5414WW00  |
| A5415WW00 | A5436WW00 | A5437WW00 | A5439WW00 | A5440DE00 | A5441WW00  |
| A5444WW00 | A5445WW00 | A5447WW00 | A5456EU00 | A5457WW00 | A5535WW00  |
| A5537ES00 | A5543WW00 | A5545WW00 | A5548WW00 | A5549WW00 | A5554DE00  |
| A5555WW00 | A5557WW00 | A5558WW00 | A5559WW00 | A5562WW00 | A5563WW00  |
| A5576WW00 | A5580ZA00 | A5581WW00 | A5583WW00 | A5584WW00 | A5585WW00  |
| A5590WW00 | A5591WW00 | A5593WW00 | A5612WW00 | A5613WW00 | A5614WW00  |
| A5617WW00 | A5618DE00 | A5620WW00 | A5623DE00 | A5624WW00 | A5631WW00  |
| A5633WW00 | A5634WW00 | A5639DE00 | A5644DE00 | A5645WW00 | A5658WW00  |
| A5659CO00 | A2227WW00 | A5687WW00 | A5688WW00 | A5690WW00 | A5693DE00  |
| A5694DE00 | A5700DE00 | A5701WW00 | A5702WW00 | A5705WW00 | A5706WW00  |
| A5708WW00 | A5709WW00 | A5710WW00 | A5713DE00 | A5718WW00 | A5719WW00  |

**Annex 10.2**

## Contractual relationships Healthcare

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| A5721WW00 | A2199AR00 | A5725DE00 | A5727WW00 | A5809FR00 | A2096PA00 |
| A2091DE00 | A2085DE00 | A2083WW00 | A2081DE00 | A2077WW00 | A2075DE00 |
| A2073WW00 | A2078WW00 | A2071DE00 | A2069WW00 | A2068WW00 | A2067WW00 |
| A2070WW00 | A2072WW00 | A2066WW00 | A2079WW00 | A2080WW00 | A2076WW00 |
| A2082WW00 | A2084WW00 | A2090DE00 | A2087WW00 | A2086WW00 | A2008AR00 |
| A1979Z200 | A1977WW00 | A1975AR00 | A1700WW00 | A1415PK00 | A2197WW00 |
| A4834WW00 | A4086EC00 | A4067AR00 | A4077IN00 | A4066WW00 | A3981WW00 |
| A3804WW00 | A3667BR00 | A3584WW00 | A3327WW00 | A2652WW00 | A4366IN00 |
| A4916IN00 | A2219WW00 | A1179DE00 | A1154DE00 | A1140DE00 | A1137DE00 |
| A1078DE00 | A5628DE00 | A1233WW00 | A2101WW00 | A3798WW00 | A3531MX00 |
| A2041WW00 |           |           |           |           |           |

### III. Patent agreements (including the respective contract number)<sup>3</sup>

#### 1. License agreements with respect to patent rights

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| CNT-00021 | CNT-00037 | CNT-00040 | CNT-00050 | CNT-00104 | CNT-00131 |
| CNT-00184 | CNT-00211 | CNT-00278 | CNT-00279 | CNT-00294 | CNT-00339 |
| CNT-00368 | CNT-00416 | CNT-00437 | CNT-00440 | CNT-00450 | CNT-00461 |
| CNT-00466 | CNT-00543 | CNT-00558 | CNT-00573 | CNT-00592 | CNT-00633 |
| CNT-00646 |           |           |           |           |           |

#### 2. Other agreements with respect to patent rights

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| CNT-00008 | CNT-00029 | CNT-00047 | CNT-00051 | CNT-00060 | CNT-00098 |
| CNT-00099 | CNT-00101 | CNT-00102 | CNT-00105 | CNT-00152 | CNT-00168 |
| CNT-00173 | CNT-00175 | CNT-00187 | CNT-00214 | CNT-00216 | CNT-00222 |
| CNT-00223 | CNT-00230 | CNT-00232 | CNT-00236 | CNT-00238 | CNT-00239 |
| CNT-00248 | CNT-00252 | CNT-00258 | CNT-00271 | CNT-00283 | CNT-00287 |
| CNT-00288 | CNT-00290 | CNT-00291 | CNT-00292 | CNT-00293 | CNT-00338 |
| CNT-00359 | CNT-00371 | CNT-00376 | CNT-00385 | CNT-00397 | CNT-00398 |
| CNT-00400 | CNT-00420 | CNT-00421 | CNT-00423 | CNT-00424 | CNT-00432 |
| CNT-00433 | CNT-00434 | CNT-00446 | CNT-00457 | CNT-00458 | CNT-00459 |
| CNT-00460 | CNT-00464 | CNT-00467 | CNT-00468 | CNT-00471 | CNT-00472 |
| CNT-00499 | CNT-00506 | CNT-00517 | CNT-00519 | CNT-00525 | CNT-00540 |
| CNT-00545 | CNT-00565 | CNT-00571 | CNT-00572 | CNT-00578 | CNT-00586 |
| CNT-00589 | CNT-00590 | CNT-00595 | CNT-00613 | CNT-00619 | CNT-00630 |
| CNT-00635 | CNT-00636 | CNT-00651 |           |           |           |

<sup>3</sup> Listed in the Annex under III. are the trademark agreements with their respective contract numbers, both being registered in the database “Patricia” of Merck KGaA, Darmstadt, Germany.

## **Annex 11.1**

### Employment relationships Healthcare

**Position keys of employees according to the personnel administration system, allocated to the  
Operating Unit "KGaA Healthcare Darmstadt" at the Closing Balance Effective Date**

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
| 70302911 | 77215160 | 76189120 | 72271070 | 72271020 | 76264040 | 70273855 |
| 70304794 | 70065330 | 70051873 | 76342040 | 76025080 | 70175089 | 76274070 |
| 76323120 | 77215170 | 76058060 | 76108050 | 70298427 | 77215370 | 70064376 |
| 76068200 | 77008100 | 76154020 | 70309702 | 76061110 | 70298044 | 72224010 |
| 76073150 | 70298936 | 70179210 | 76182110 | 76299030 | 77020140 | 77008150 |
| 76147230 | 77007100 | 70114585 | 76360020 | 76296050 | 74341130 | 77205070 |
| 76073030 | 77215240 | 76052020 | 76111020 | 76109010 | 70063027 | 72042180 |
| 70056493 | 72265120 | 76273040 | 70312255 | 70053236 | 70295608 | 71010030 |
| 70270455 | 70056488 | 76371010 | 70126677 | 76370010 | 77209160 | 70008239 |
| 77004330 | 77197020 | 76059030 | 70283630 | 70061732 | 77008180 | 70092785 |
| 76190060 | 70056484 | 76274102 | 76294070 | 76186230 | 70076707 | 70287201 |
| 76051070 | 70060948 | 76191040 | 76315030 | 70039252 | 70169693 | 70298812 |
| 76067030 | 70056477 | 76053030 | 70311177 | 70112159 | 70307335 | 70074841 |
| 76068190 | 77009210 | 76274110 | 76110030 | 76284150 | 70039906 | 70306356 |
| 77008130 | 70079628 | 70192381 | 76324050 | 76374020 | 77018160 | 70311533 |
| 70296106 | 70065332 | 76190080 | 76311040 | 76072040 | 76214090 | 70297088 |
| 76016110 | 76070080 | 76405020 | 76058192 | 74689250 | 70275591 | 77205140 |
| 76323020 | 70108063 | 76191180 | 76060140 | 76192050 | 70301627 | 70299945 |
| 77013090 | 70052344 | 76295020 | 76301050 | 76207070 | 70068621 | 70302651 |
| 70304510 | 70050122 | 76109050 | 76264220 | 70097297 | 70035355 | 70052636 |
| 76073090 | 77194070 | 76343012 | 76059160 | 74681030 | 70277897 | 70291496 |
| 70056482 | 70281368 | 74448010 | 72033020 | 76051020 | 76067090 | 70299006 |
| 77015040 | 76052050 | 76266080 | 70186281 | 76294020 | 76370020 | 76057050 |
| 70313241 | 76184080 | 76211010 | 70267522 | 76061100 | 70008857 | 70177983 |
| 70073440 | 70042226 | 76066060 | 74689060 | 76061120 | 76314030 | 76189060 |
| 77002010 | 74112440 | 76372060 | 76114010 | 76192040 | 72265190 | 76188100 |
| 76068110 | 77008220 | 70305677 | 70062867 | 76353020 | 70039943 | 70270452 |
| 77015250 | 70058980 | 76182080 | 70109601 | 70270295 | 70310876 | 70551020 |
| 77004270 | 77215210 | 76053060 | 76279030 | 70275915 | 70307107 | 74661080 |
| 77015010 | 76196150 | 76342050 | 76302020 | 70272516 | 70056527 | 76194090 |
| 77209060 | 70243145 | 76154070 | 76285080 | 70115960 | 77018190 | 76314010 |
| 77008050 | 70072055 | 70073443 | 76058191 | 70046106 | 77023270 | 72292050 |
| 76061050 | 70052349 | 70306507 | 70020677 | 70301514 | 70046120 | 76113020 |
| 70018446 | 70305204 | 70309072 | 76373030 | 70021169 | 77001150 | 70006276 |
| 77007160 | 77215360 | 70082257 | 70042208 | 70053829 | 70309955 | 70307616 |
| 77195040 | 70313423 | 76264260 | 76194010 | 70277650 | 77007200 | 70040057 |
| 76073140 | 77020170 | 70069786 | 70278701 | 70093151 | 77018250 | 70009598 |
| 70100758 | 70043036 | 76148030 | 76316130 | 76316120 | 70304925 | 72265200 |
| 76191140 | 70053244 | 76289050 | 76111010 | 76273110 | 76316100 | 70009985 |
| 70022731 | 77007190 | 70031631 | 70010524 | 76340030 | 76301030 | 70284892 |
| 77016230 | 77021110 | 70279647 | 76114060 | 70031630 | 70283402 | 76279040 |
| 72013100 | 77018150 | 76147020 | 70009418 | 70050567 | 70015400 | 70270285 |
| 70076473 | 72012070 | 70110680 | 76194050 | 70269737 | 70187100 | 72212030 |
| 72266200 | 77011020 | 76209080 | 70022430 | 76323090 | 70091382 | 70076500 |
| 76191160 | 70079630 | 76057100 | 70275592 | 70310412 | 70304782 | 72261140 |
| 70306679 | 77215140 | 76323070 | 76277040 | 74689240 | 70061736 | 76274150 |
| 70066194 | 70309494 | 76210110 | 75077030 | 70301918 | 76008010 | 74480050 |
| 76059020 | 70313675 | 76259090 | 70007998 | 70311256 | 77021230 | 70052433 |
| 76068130 | 77023110 | 76264230 | 76168030 | 70030875 | 70025981 | 70244114 |
| 76196130 | 70305182 | 76274060 | 70130769 | 76368030 | 77015290 | 70039907 |
| 70056485 | 70043038 | 70012626 | 70170366 | 76259060 | 77015300 | 70078827 |
| 76061130 | 76156120 | 70084627 | 76116060 | 70198389 | 77196040 | 70059664 |
| 77007030 | 77215380 | 70031652 | 76110040 | 76259050 | 77017100 | 72261260 |
| 77215130 | 77215280 | 72261090 | 76121040 | 70270284 | 70006274 | 70252965 |
| 70076813 | 76289080 | 76112040 | 70071088 | 70033141 | 76168100 | 70056083 |
| 76147210 | 72031040 | 76184070 | 70050815 | 76191200 | 70307260 | 76070060 |
| 70307563 | 70058979 | 70271844 | 70192207 | 76273060 | 77008190 | 72293020 |
| 77215150 | 70056476 | 76187130 | 76116020 | 70165231 | 70006275 | 70006270 |
| 77215100 | 70033142 | 76273080 | 76315040 | 74689140 | 70080084 | 72261060 |
| 70304605 | 74341090 | 72292020 | 70200797 | 76316090 | 77009080 | 75032010 |
| 76059190 | 76273100 | 76052120 | 70104600 | 70053825 | 72261150 | 75032070 |
| 70039402 | 76020010 | 70036275 | 70256949 | 70137353 | 70301493 | 70295607 |
| 70053239 | 70136775 | 72032050 | 76147250 | 70294991 | 76184090 | 70311869 |
| 76045010 | 76191050 | 72224020 | 70084618 | 70277811 | 77195090 | 70262458 |
| 77004290 | 76190090 | 76066030 | 76372030 | 77209190 | 70137352 | 70203019 |
| 70311057 | 71045020 | 76169090 | 70134486 | 70057032 | 70007622 | 72224090 |
| 70304652 | 76188060 | 70038638 | 76211080 | 72265180 | 76323130 | 72271010 |
| 76199150 | 76191060 | 70031350 | 76147060 | 70311982 | 70023039 | 72261300 |

## Employment Relationships Healthcare

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
| 70310479 | 70064377 | 70313550 | 75077090 | 70019106 | 70101001 | 70308839 |
| 70079774 | 70313405 | 70060944 | 70065341 | 70140248 | 70107054 | 70295922 |
| 70043033 | 70066187 | 70248999 | 70042231 | 70053237 | 70313377 | 70308966 |
| 70057531 | 70091620 | 70299664 | 70076810 | 70303810 | 70225912 | 70302910 |
| 70061733 | 70039911 | 70279144 | 70051903 | 70207279 | 70281236 | 70307526 |
| 76008080 | 70305003 | 77009150 | 70053242 | 70304037 | 70080054 | 70295231 |
| 70281899 | 70181681 | 70042227 | 70302427 | 70271074 | 70093577 | 70313710 |
| 70046065 | 70300895 | 70072053 | 70064374 | 70270288 | 70042159 | 70093936 |
| 70058976 | 70053830 | 70296091 | 76274030 | 70051597 | 70035053 | 70202928 |
| 70313457 | 70046033 | 70307530 | 70080075 | 70096697 | 70278334 | 70301186 |
| 70310276 | 70056525 | 70302891 | 70277833 | 70053837 | 70084584 | 70258112 |
| 70039912 | 77208110 | 77004360 | 70045172 | 70019376 | 70277455 | 70303480 |
| 77195130 | 70026006 | 70065335 | 70294515 | 70046102 | 70069387 | 75032030 |
| 70043325 | 70026829 | 70053240 | 70085614 | 70053245 | 70061000 | 70114586 |
| 70301919 | 70264843 | 70038997 | 76156030 | 70052387 | 70065336 | 70313069 |
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## Employment Relationships Healthcare

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## Employment Relationships Healthcare

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| 70299724 | 70301838 | 70303188 | 70304670 | 70306062 | 70307192 | 70307859 |
| 70299894 | 70301856 | 70303189 | 70304191 | 70306094 | 70307203 | 70307847 |
| 70299887 | 70313206 | 70312939 | 70312479 | 70306118 | 70307207 | 70307926 |
| 70309797 | 70309981 | 70303216 | 70304521 | 70306183 | 70307062 | 70307928 |
| 70299926 | 70301955 | 70303198 | 70304169 | 70306117 | 70307198 | 70307930 |
| 70299962 | 70301988 | 70313898 | 70304765 | 70306191 | 70307214 | 70307933 |
| 70300082 | 70301998 | 70303220 | 70306602 | 70306197 | 70307215 | 70308643 |
| 70312932 | 70301997 | 70303275 | 70304773 | 70306220 | 70307276 | 70308653 |
| 70300012 | 70304937 | 70303295 | 70311584 | 70306258 | 70307255 | 70308669 |
| 70311394 | 70302080 | 70305014 | 70304770 | 70306317 | 70307286 | 70308708 |
| 70300126 | 70309133 | 70303344 | 70304771 | 70306321 | 70307257 | 70308715 |
| 70300135 | 70307590 | 70302994 | 70304903 | 70306319 | 70307288 | 70308716 |
| 70300163 | 70302056 | 70303371 | 70313702 | 70306320 | 70307296 | 70308721 |
| 70300146 | 70302101 | 70312042 | 70304910 | 70306318 | 70307299 | 70308719 |
| 70311116 | 70302118 | 70303448 | 70304944 | 70306279 | 70307249 | 70308738 |
| 70300229 | 70302114 | 70303458 | 70304935 | 70306420 | 70307295 | 70312706 |
| 70300252 | 70302116 | 70303451 | 70304950 | 70306421 | 70307294 | 70308756 |
| 70300250 | 70302161 | 70303409 | 70311187 | 70306376 | 70307338 | 70308641 |
| 70307244 | 70302165 | 70303483 | 70305000 | 70306341 | 70307341 | 70308812 |
| 70300377 | 70302245 | 70303488 | 70310034 | 70306471 | 70307342 | 70308817 |
| 70309904 | 70307233 | 70303465 | 70309627 | 70306380 | 70307352 | 70308845 |
| 70300455 | 70302290 | 70313409 | 70304942 | 70306480 | 70307426 | 70308814 |
| 70306554 | 70302292 | 70303494 | 70305101 | 70306563 | 70307431 | 70308823 |
| 70312592 | 70309984 | 70310502 | 70305109 | 70306585 | 70312224 | 70308822 |
| 70300530 | 70302294 | 70303534 | 70305202 | 70306603 | 70307312 | 70308862 |
| 70300526 | 70302305 | 70303517 | 70305215 | 70306599 | 70307461 | 70308864 |
| 70300545 | 70302301 | 70312708 | 70305214 | 70306556 | 70307458 | 70308932 |
| 70300549 | 70302353 | 70307305 | 70305193 | 70306613 | 70307382 | 70308952 |
| 70300632 | 70302402 | 70303585 | 70305192 | 70306654 | 70307467 | 70308954 |
| 70300637 | 70302415 | 70303577 | 70305218 | 70306675 | 70307448 | 70308967 |
| 70306621 | 70302413 | 70303576 | 70305313 | 70306619 | 70307449 | 70308960 |
| 70308775 | 70314354 | 70306829 | 70308704 | 70306670 | 70307310 | 70309064 |
| 70300968 | 70302397 | 70303707 | 70305361 | 70306664 | 70307527 | 70309061 |
| 70301053 | 70302399 | 70303702 | 70305322 | 70306669 | 70307557 | 70309031 |
| 70301051 | 70302367 | 70312043 | 70305377 | 70306704 | 70307558 | 70309035 |
| 70308955 | 70302400 | 70303776 | 70305324 | 70306701 | 70307611 | 70309066 |
| 70309228 | 70302407 | 70303724 | 70310513 | 70306671 | 70307575 | 70309032 |
| 70301097 | 70302374 | 70303808 | 70305435 | 70306778 | 70307564 | 70309037 |
| 70307129 | 70302398 | 70303828 | 70305380 | 70306776 | 70307566 | 70309110 |
| 70307391 | 70302485 | 70303825 | 70305148 | 70306757 | 70307601 | 70309107 |
| 70301154 | 70302265 | 70303799 | 70305518 | 70306781 | 70307609 | 70309151 |
| 70301138 | 70312218 | 70303908 | 70305520 | 70312976 | 70307584 | 70310980 |
| 70301225 | 70302590 | 70303902 | 70305536 | 70306801 | 70307585 | 70309174 |
| 70301175 | 70302576 | 70303956 | 70305302 | 70306728 | 70307619 | 70309250 |
| 70312903 | 70302578 | 70303815 | 70305628 | 70306846 | 70307596 | 70309251 |
| 70309601 | 70302592 | 70303960 | 70304867 | 70306860 | 70307547 | 70309277 |
| 70301239 | 70023727 | 70303962 | 70305688 | 70313115 | 70307651 | 70309249 |
| 70313433 | 70307110 | 70303883 | 70305702 | 70306901 | 70307653 | 70309271 |
| 70301298 | 70307150 | 70313435 | 70305724 | 70306875 | 70307702 | 70309270 |
| 70311493 | 70305213 | 70304090 | 70305723 | 70306926 | 70307703 | 70309266 |
| 70311494 | 70302759 | 70313651 | 70311490 | 70306929 | 70307679 | 70309305 |
| 70301354 | 70302834 | 70308638 | 70305725 | 70306931 | 70307445 | 70309300 |
| 70311582 | 70302831 | 70310543 | 70305750 | 70306934 | 70313523 | 70309348 |
| 70301187 | 70302839 | 70304203 | 70305852 | 70306946 | 70307676 | 70309349 |
| 70311727 | 70302810 | 70306377 | 70305828 | 70306634 | 70307708 | 70309374 |
| 70301364 | 70304258 | 70304085 | 70305827 | 70306975 | 70307685 | 70309376 |

## Annex 11.1

## Employment Relationships Healthcare

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
| 70309426 | 70309988 | 70310982 | 70311422 | 70312024 | 70312544 | 70312089 |
| 70309380 | 70309986 | 70311000 | 70311477 | 70312025 | 70312568 | 70310952 |
| 70309475 | 70309998 | 70310999 | 70311508 | 70312052 | 70312577 | 70309127 |
| 70309457 | 70309996 | 70311052 | 70311515 | 70312034 | 70312591 | 70303626 |
| 70309458 | 70310009 | 70311055 | 70311484 | 70312056 | 70312590 | 70306799 |
| 70309359 | 70309969 | 70311059 | 70311520 | 70312046 | 70312655 | 70302199 |
| 70309465 | 70310026 | 70311037 | 70311525 | 70312076 | 70312659 | 70303782 |
| 70309467 | 70310275 | 70311066 | 70311575 | 70312064 | 70312665 | 70311707 |
| 70309531 | 70310279 | 70311067 | 70311578 | 70312105 | 70312658 | 70303704 |
| 70309499 | 70310049 | 70311074 | 70311604 | 70312087 | 70312670 | 70313730 |
| 70309533 | 70310280 | 70311043 | 70311985 | 70312091 | 70312415 | 70303751 |
| 70309504 | 70310292 | 70314274 | 70311597 | 70312092 | 70312687 | 70310700 |
| 70309542 | 70312704 | 70311119 | 70311641 | 70312097 | 70312631 | 70306212 |
| 70309545 | 70310382 | 70311137 | 70313775 | 70312151 | 70312728 | 70308659 |
| 70309583 | 70312815 | 70311153 | 70311705 | 70312153 | 70312702 | 70309761 |
| 70309575 | 70310402 | 70311146 | 70311736 | 70312130 | 70312733 | 70309826 |
| 70309534 | 70310525 | 70311175 | 70311740 | 70312200 | 70312735 | 70311143 |
| 70309561 | 70311731 | 70311201 | 70311746 | 70312179 | 70312749 | 70311708 |
| 70309675 | 70310540 | 70311205 | 70311767 | 70312192 | 70312761 | 70300955 |
| 70309676 | 70310531 | 70311182 | 70311782 | 70312194 | 70312825 | 70313613 |
| 70309660 | 70310539 | 70311181 | 70311785 | 70312195 | 70312830 | 70312917 |
| 70309664 | 70310576 | 70311186 | 70311808 | 70312199 | 70312806 | 70313645 |
| 70309674 | 70310606 | 70311219 | 70311809 | 70312223 | 70312840 | 70313733 |
| 70309728 | 70310611 | 70311220 | 70311829 | 70312277 | 70312818 | 70310553 |
| 70309725 | 70310612 | 70311189 | 70311842 | 70312333 | 70312850 | 70311229 |
| 70309772 | 70310632 | 70311218 | 70311843 | 70312359 | 70312827 | 70312125 |
| 70309803 | 70310616 | 70311198 | 70311851 | 70312380 | 70312951 | 70301598 |
| 70309882 | 70310654 | 70311226 | 70311866 | 70312378 | 70312983 | 70306553 |
| 70309708 | 70310658 | 70311228 | 70311892 | 70312371 | 70313135 | 70313644 |
| 70309851 | 70310790 | 70311257 | 70313682 | 70312413 | 70313149 |          |
| 70309885 | 70310833 | 70311316 | 70311926 | 70312406 | 70313227 |          |
| 70313114 | 70310887 | 70311318 | 70311928 | 70312404 | 70313214 |          |
| 70309872 | 70310895 | 70311321 | 70311950 | 70312416 | 70313213 |          |
| 70309902 | 70310893 | 70311355 | 70311907 | 70312422 | 70313294 |          |
| 70309905 | 70310901 | 70311354 | 70311949 | 70312503 | 70313355 |          |
| 70309954 | 70310925 | 70311375 | 70311855 | 70312490 | 70313533 |          |
| 70309980 | 70310926 | 70311395 | 70312000 | 70312551 | 70313580 |          |
| 70313054 | 70310907 | 70311442 | 70311979 | 70312566 | 70313582 |          |
| 70309983 | 70310927 | 70311453 | 70311980 | 70312539 | 70313727 |          |

### **Annex 11.8.a**

Trust Agreement concluded between HC OpCo, LS OpCo, PM OpCo and MP e.V. regarding the securing of the CTA-Secured Direct Commitments Healthcare, Life Science, Performance Materials that are being transferred

**Deed No. 63 of the 2018 (S) Deed Register**

**Trust Agreement by and between**

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
Merck Life Science Germany GmbH, Darmstadt, Germany,  
Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
and Merck Pensionstreuhand e.V., Darmstadt, Germany**

**regarding the securing of the CTA-Secured Direct Commitments  
Healthcare / Life Science / Performance Materials that are being transferred**

Recorded in Darmstadt on this 23rd day of February 2018.

Before me, the undersigned notary public

**Patric Schiweck**

with my registered office situated in Darmstadt, Germany, Friedensplatz 6, appeared today at the office of Merck KGaA, Frankfurter Straße 250, 64271 Darmstadt, Germany, where the notary public appeared upon the request of the parties who appeared before him:

1. Mr. **Alexander Werner**, born on November 13, 1967,  
with business address: Frankfurter Straße 250, 64271 Darmstadt, Germany,  
identified by: German federal identification card (*Bundespersonalausweis*).
2. Mr. **Andreas Peters**, born on January 18, 1967,  
with business address: Frankfurter Straße 250, 64271 Darmstadt, Germany,  
identified by: German federal identification card.
3. Mrs. **Sonja Hilge**, born on April 25, 1979,  
with business address: Frankfurter Straße 250, 64271 Darmstadt, Germany,  
identified by: German federal identification card.
4. **Dr. Holger Pittroff**, born on January 27, 1973,  
with business address: Frankfurter Straße 250, 64271 Darmstadt, Germany,  
identified by: German federal identification card.

Representations:

1. The person specified in No. 1) is not acting in his own name,

but - discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annex V2.2.

Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Healthcare Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 96240, and based on written powers of attorney dated February 15/16, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annexes V2.1.1 and V2.1.2.

2. The person specified in No. 2) is not acting in his own name,

but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annex V3.2.

Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Life Science Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 93771, and based on written powers of attorney dated February 14/15, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annexes V3.1.1 and V3.1.2.

3. The person specified in No. 3) is not acting in her own name,

but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annex V4.2.

Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Performance Materials Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the Darmstadt under HRB 93768, and based on written powers of attorney dated February 14, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annexes V4.1.1 and V4.1.2.

4. The person specified in No. 4) is not acting in his own name, but - discharged from the restrictions of Sec. 181 *BGB* -

for **Merck Pensionstreuhand e.V.**, with its corporate seat in Darmstadt, Germany, registered in the register of associations (*Vereinsregister*) of the lower court of Darmstadt under HRB 83075, and based on written powers of attorney dated February 15/19, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annex V5.

The notary public asked the persons who appeared before him whether he or a person associated with him for joint business purposes were or are engaged outside his capacity as notary public in any matter that is a subject matter of this notarization. The persons who appeared before him responded

Trust Agreement regarding the securing of the CTA-Secured Direct Commitments to be transferred

in the negative. Furthermore, the persons who appeared before the notary public declared that they or the parties they represent, respectively, act for their own account in the declarations below.

The persons who appeared before the notary public declared and requested notarization of the following:



Trust Agreement regarding the securing of the CTA-Secured Direct Commitments to be transferred

## **Trust Agreement**

### **by and between**

Merck Healthcare Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64271 Darmstadt

- hereinafter referred to as **"HC OpCo"** - ,

Merck Life Science Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64271 Darmstadt

- hereinafter referred to as **"LS OpCo"** - ,

Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64271 Darmstadt

- hereinafter referred to as **"PM OpCo"** - ,

each represented by

Merck KGaA, Darmstadt, Germany  
Frankfurter Straße 250  
64271 Darmstadt

- hereinafter referred to as **"KGaA"** -

**and**

Merck Pensionstreuhand e.V., Darmstadt, Germany, Frankfurter Str. 250, 64293 Darmstadt, Germany

**- Trustee -**

in favor of the Beneficiaries defined below as third-party Beneficiaries within the meaning of Sec. 328 (1) of the German Civil Code (hereinafter referred to as **"BGB"**)

### Preamble

- (1) Merck KGaA, Darmstadt, Germany, together with its German and foreign subsidiaries (hereinafter referred to as “**Group**”), is a globally operating science and technology company. HC OpCo, LS OpCo, and PM OpCo (hereinafter collectively referred to as “**Companies**” or individually as “**Company**”) are companies of the Group. As part of the Group's strategic development, the operating activities of the Healthcare, Life Science and Performance Materials Business Sectors and the associated assets and liabilities (hereinafter individually referred to as an “**Operating Unit**”) within KGaA at the Darmstadt and Gernsheim sites shall be hived down by way of a hive-down by absorption pursuant to Sec. 123 (3) No. 1 German Reorganization Act (*Umwandlungsgesetz – UmwG*) each to one of the Companies (hereinafter referred to as “**Operational Hive-down**”). The hive-down shall be completed upon its registration in the commercial register of KGaA (hereinafter referred to “**Legal Effective Date**”). The effective date of the hive-down is January 1, 2018, 0:00 hours (hereinafter referred to as “**Economic Effective Date**”). The closing balance effective date as defined in Sec. 125 s. 1, Sec. 17 (2) *UmwG* is December 31, 2017, 24:00 hours (hereinafter referred to as “**Closing Balance Effective Date**”). The Operational Hive-down shall ensure more efficient management of the business sectors by means of a business sector-related Enterprise Resource Planning System (hereinafter referred to as “**ERP system**”). As a result of the hive-down, the claims resulting from the pension commitments of the transitioning employees shall first be transferred to the Companies; simultaneously, the corresponding plan assets shall be held as of that date based on this Trust Agreement. The introduction of this business sector-specific ERP system is planned for the Healthcare Business Sector in 2019 and for the Business Sectors Life Science and Performance Materials in 2020. Since the technical requirements for introducing the ERP systems do not exist at the Companies at the time of the Operational Hive-down, it is intended that the business activities hived down to the Companies be temporarily leased back to KGaA until the introduction of the ERP systems by the respective Company (hereinafter referred to as “**Business Lease**”) with the result that the employment relationships attributable to the Companies in the course of the Operational Hive-down being retransferred to KGaA by operation of law. The Business Lease shall become effective immediately upon the Operational Hive-down becoming effective. Notwithstanding the aforesaid, the Business Lease shall become effective with retroactive economic effect as of January 1, 2018, 0:00 hours (hereinafter “**Beginning Of The Lease**”). The plan for the Business Lease is that the Companies assume joint liability for their respective Operating Unit in respect of the pension claims defined below and existing due to pension commitments and agree internally with KGaA to assume performance in full (hereinafter “**Assumption Of Joint Liability**”). Assumption Of Joint Liability shall cease if the Companies become the direct debtors of the pension claims from the pension commitments, in particular upon termination of the Business Lease.
- (2) Once the Operational Hive-down becomes effective, the active and former employees of the respective Company, including those employees (i) who are reassigned to KGaA under the Business Lease or employed by KGaA in the respective Operating Unit during the term of the Business Lease and who are secured due to the Assumption Of Joint Liability, and (ii) who are former KGaA employees to the extent that they are transferred to the respective Company under the Operational Hive-down, persons who are entitled to benefits as set forth in Sec. 12 German Pension Compensation Act (*Versorgungsausgleichsgesetz*) with regard to the aforementioned persons and - following the death of the aforementioned persons - their survivors (the aforementioned group of persons hereinafter collectively referred to as “**Beneficiaries**”) shall have claims and entitlements against the Company for corporate pension scheme benefits either directly due to the pension commitment or by way of Assumption Of Joint Liability, for which (excluding netting permitted based on this Agreement) a liability would be disclosed in the consolidated financial statements of KGaA (hereinafter referred to as “**Consolidated Financial Statements**”) in accordance with the International Financial Reporting Standards (hereinafter “**IFRS**”) or for which a provision should be recognized in the financial statements of the respective Company in accordance with the provisions of the German Commercial Code (hereinafter “**HGB**”) or in conjunction with Art. 28 of the German Introductory Act to the Commercial Code (*Einführungsgesetz zu Handelsgesetzbuch*; hereinafter “**EGHGB**”).

These claims and entitlements against KGaA or the Company arising during the Business Lease either directly from the pension commitment or due to the Assumption Of Joint Liability, are

hereinafter referred to uniformly as “**Pension Claims**” and take into account the following provisions. The obligations of the Company or KGaA, respectively, resulting from the Pension Claims are referred to uniformly as “**Pension Obligations**”, regardless of whether KGaA or the Company owes these benefits due to the pension commitment or due to the Assumption Of Joint Liability.

The Pension Obligations include those obligations transferred to the Companies in the course of the Operational Hive-down.

The Pension Claims do not include such claims or entitlements to the provision of corporate pension scheme benefits for which, in accordance with the underlying pension commitment, a legal claim against a pension fund within the meaning of Sec. 112 German Insurance Supervision Act (*Versicherungsaufsichtsgesetz*; hereinafter “**VAG**”) or against a pension fund within the meaning of Sec. 118a VAG was established as a pension provider or a legal claim under a direct insurance against an insurance company.

Neither do the Pension Claims include such claims or entitlements to the provision of corporate pension scheme benefits for which the respective company is only jointly liable as a former employer pursuant to Sec. 613a (2) *BGB* after a transfer of undertaking or for which the respective Company is still jointly and severally liable as a transferring company, i.e., not simultaneously due to the Assumption Of Joint Liability, under the provisions of the German Reorganization Act (hereinafter “**UmwG**”) following reorganization measures. Furthermore, claims and entitlements established by pension commitments against the respective Company only as a result of a transfer of undertaking (with the respective Company as the transferee) or of a measure taken after the closing of this Agreement in accordance with the *UmwG* (with the respective Company as the receiving entity) are subject to this Agreement only to the extent that the respective Company provides a corresponding unilateral written declaration to the Trustee. The respective Company shall issue a corresponding unilateral written declaration for the employees transferring from KGaA to the Company upon termination of the respective Business Lease.

Not included in the Pension Claims are other claims and entitlements for the provision of corporate pension scheme benefits to the extent that they are secured against insolvency by the respective Company under private law - except for those secured by this Agreement or the Pension Security Association (*Pensions-Sicherungs-Verein VVaG*; hereinafter “**PSV**”) (e.g., through pledged reinsurance, etc.) or due to the Assumption Of Joint Liability.

Beneficiaries, who acquire claims or entitlements to the provision of corporate pension scheme benefits against the respective Company after the conclusion of this Agreement, are included in this Agreement without further ado in so far as the claims and entitlements qualify as Pension Claims within the meaning of the above provisions and to the extent that the respective Company has not exercised its right under § 15 (1) of this Agreement.

- (3) The respective Company intends to secure the Pension Claims against insolvency by means of an external reinsurance in the scope specified in detail by this Agreement. This shall be done by a fiduciary transfer of the corresponding (proportionate) external financing (hereinafter referred to as the dedication of assets and their benefits and surrogates to settle (pro rata) Pension Claims Pension Claims) and securing required assets to a legally independent third party (Trustee).
- (4) Upon closing of the trust agreement and the transfer of the assets in accordance with this Agreement, the respective Company intends to ensure that Pension Claims are settled (on a pro rata basis) in accordance with the provisions of this Agreement even in the event that
  - a) an application for the initiation of insolvency proceedings has been filed against the assets of the respective Company and the insolvency court has subsequently imposed security measures in accordance with Sec. 21 et seq. German Insolvency Code (*InsO*); or
  - b) insolvency proceedings pursuant to Sec. 27 *InsO* are initiated in respect of the assets of the respective Company or the application for initiation of insolvency proceedings is rejected due to lack of assets, without security measures being imposed pursuant to Sec. 21 et seq. *InsO* following the application for the initiation of proceedings; or

- c) an out-of-court settlement (deferment, quota, or liquidation settlement) is agreed upon between the respective Company and its creditors with the consent of PSV to avert insolvency proceedings; or
- d) the operation of the respective Company ceases completely, an application for initiating insolvency proceedings has not been filed, and insolvency proceedings are not considered due to the lack of assets.

Each of these cases is hereinafter referred to as an **"Insured Event."** In addition to the provisions in para. (1), only such entitlements and/or entitlements to the provision of corporate pension scheme benefits are deemed to be Pension Claims within the meaning of this Agreement accrued in the Insured Event cases specified in lit (c) and (d) or until the initiation of insolvency proceedings in respect of the assets of the respective Company or until the application for the initiation of insolvency proceedings has been rejected for lack of assets. Any subsequently accrued claims or entitlements to corporate pension scheme benefits (including any adjustments or claims for adjustment pursuant to Sec. 16 of the German Company Pensions Act (*BetrAVG*)) shall not constitute Pension Claims within the meaning of this Agreement. For the purpose of the provisions relating to the Insured Event, in particular the provisions in this para. (4) as well as for § 1 (3) and § 7 (2), KGaA shall replace the respective Company for the duration and within the scope of the Assumption Of Joint Liability vis-à-vis the employees for any Pension Claims against KGaA.

- (5) The Beneficiaries' rights established for the first time by this Trust Agreement arise from the beginning only within the scope provided for by this Trust Agreement and only subject to the restrictions or subsequent options for structuring or modification options provided for in this Trust Agreement.
- (6) In addition, as a result of the fiduciary transfer of the assets necessary for reinsurance and securing of the Pension Claims to the Trustee, the respective line items may be offset pursuant to Sec. 246 (2) s. 2 *HGB* in the financial statements of the Company compiled in accordance with *HGB*. In addition, as a result of the fiduciary transfer of assets necessary for reinsurance and securing of the Pension Claims to the Trustee, it should also be possible to offset the liability to be recognized for the Pension Claims against the assets covering and separating the Pension Obligations (plan assets) in the Consolidated Financial Statements compiled in accordance with IFRS.
- (7) This Agreement is deemed to be a separate agreement for each of the Companies.

Now therefore, the Parties agree as follows:

## § 1 Subject of the Agreement

- (1) The subject of this Agreement is the external (where appropriate prorated) financing and securing of Pension Claims and, in the case of an Insured Event, the satisfaction (where appropriate on a pro rata basis) of Pension Claims existing at that time.
- (2) This Agreement establishes an administrative trust between the Company and the Trustee as set forth in § 3 of this Agreement as well as a Securing Trust between the Trustee and the Beneficiaries as specified in § 4 of this Agreement (Double Trust).
- (3) Initially, this Agreement secures those Pension Claims that are due between the filing date of an application to initiate insolvency proceedings in respect of the assets of the Company on the one hand and the initiation of insolvency proceedings or the rejection of the initiation of insolvency proceedings on the other hand, and irrespective of whether these Pension Claims are also subject to statutory insolvency insurance by PSV. The following shall apply with respect to Pension Claims that are due upon the initiation of insolvency proceedings or after the rejection of the initiation of the insolvency proceedings for lack of assets or after the occurrence of one of the other Insured Events: Those Pension Claims and/or those portions of Pension Claims not secured against insolvency by PSV under statutory regulations are primarily secured. Secured on a subordinated basis are those Pension Claims and/or those portions of Pension Claims that

are secured against insolvency proceedings by PSV under statutory regulations. The ranking described in this paragraph is hereinafter referred to as the **"Securing Ranking."** The scope and nature of the insurance is based on the detailed provisions of this Agreement; the legal consequences of the various insurance rankings of the Pension Claims already due in the insolvency proceedings, the Pension Claims not secured by PSV, and the Pension Claims secured by PSV with respect to settling Pension Claims in the Insured Event are in particular based on the provision in § 7 of this Agreement. The provisions of § 3 (8) and (9), § 3a, § 11, § 15 (1), and § 16 of this Agreement shall remain unaffected by the Securing Ranking of an Insured Event.

- (4) Third-party beneficiaries as per Sec. 328 (1) *BGB* under this Agreement are the Beneficiaries.

## § 2 Trust Assets

- (1) The Trustee maintains a securities account held in its name as an open escrow securities account and a corresponding current account or settlement account managed as an open escrow account with a German bank pursuant Sec. 1 (1) *KWG* or a German financial services institution as defined in Sec. 1 (1a) *KWG* of their choice. The Trustee may also open several escrow securities accounts and escrow accounts. Furthermore, the Trustee may also use several credit institutions or financial services institutions or a suitable third party or several suitable third parties. The escrow securities account and the escrow account (or the escrow securities accounts and the escrow accounts, respectively) carry an addition that indicates the fiduciary earmarking. The values posted in the aforementioned securities account and on the current account or settlement account (or securities accounts and current or settlement accounts, respectively) and any other assets or their surrogates transferred to the Trustee by the Company for the purpose of fiduciary management and to secure Pension Claims under this Agreement constitute legal assets held by the Trustee with which the Trustee shall proceed in accordance with the provisions set forth below (hereinafter referred to as **"Trust Assets"**). The Trust Assets include the beneficial use and benefits drawn by the Trustee from the Trust Assets, which are to be transferred to the securities account if feasible or credited to the current account or settlement account.
- (2) German and foreign taxes and levies (in particular withholding tax and solidarity surcharge) incurred prior to the Insured Event on income from the Trust Assets shall not be compensated or reimbursed between the Company and the Trustee unless the Company agrees to reimburse such amounts to the Trustee in a separate agreement. Any claims of the Trustee for reimbursement for Trust Assets under this paragraph may be offset against claims of the Company pursuant to § 3 (8) of this Agreement. There is no obligation on the part of the Trustee to enforce any claims against the Company under this paragraph.

## § 3 Administrative trust

- (1) The Company shall either transfer to the Trustee monetary amounts to the current or settlement account mentioned in § 2 of this Agreement or other assets to be used to finance and secure the Pension Claims (where appropriate, on a pro rata basis). Only such assets may be transferred to the Trustee the transfer of which is consistent with the provisions of the Investment Guidelines attached as **Annex 1** and established by the Company. The Company shall decide at its own discretion on the quantity of assets transferred to the Trustee.
- (2) The Trustee shall commission an investment management company (hereinafter referred to as **"KAG"**) as defined by Sec. 6 *InvG* or a financial services institution as defined by Sec. 1 (1a) *KWG* (hereinafter referred to as the **"Financial Services Institution"**) to manage and invest the Trust Assets; such engagement shall be subject to a separate investment management agreement to be concluded (including any other agreements to be concluded in this connection) if economically reasonable and feasible. The Trustee may also commission several KAGs or Financial Services Institutions. In such case, the Trust Assets shall be managed and invested by a KAG or a Financial Services Institution on behalf and for the account of the Trustee. The asset management contracts to be entered into with a KAG or a Financial Services Institution shall

grant the Trustee the right to terminate the contract, giving notice not to exceed three months as per the end of the quarter. An Investment Committee shall be established to determine the specific investment policy with respect to an asset managed by the KAG or the Financial Services Institution. Such Investment Committee decides on the requirements for the investment of assets under the Investment Guidelines (Annex 1). The composition of the Investment Committee and its resolutions are governed by the Investment Guidelines (Annex 1) described above.

- (3) As an alternative to the provision in para. (2), the Trustee may appoint a suitable third party to administer and invest the Trust Assets under a separate agreement and in accordance with the provisions of the Investment Guidelines (Annex 1). Any management and investment of the Trust Assets by an appropriate third party shall be in the name and for the account of the Trustee. The asset management contracts to be entered into with a suitable third party shall grant the Trustee the right to terminate the contract, giving notice not to exceed three months as per the end of the quarter.

Alternatively, the Trustee may also manage and invest the Trust Assets in accordance with the Investment Guidelines (Annex 1).

- (4) The Investment Guidelines (Annex 1) may be amended in accordance with the procedure specified in the Investment Guidelines. The Investment Guidelines must not contradict the provisions of this Agreement. In the event of any contradiction, the Investment Guidelines shall be adjusted accordingly. In this case, the provisions of this Agreement take precedence over the provisions in the Investment Guidelines.
- (5) On the last banking day of each quarter, the Trustee shall invoice the Company for the change and fair value of the Trust Assets. With regard to the portion of the Trust Assets managed by the KAG or a Financial Services Institution, billing shall be by submitting escrow securities account and escrow account statements managed on behalf of the Trustee. If the Trust Assets are not managed by the KAG or a Financial Services Institution, the accounting shall be in accordance with a separate agreement between the Company and the Trustee.
- (6) The Trust Assets shall be managed and held separately from other assets managed by the Trustee, by an appropriate third party as per para. (3), by a KAG, or a Financial Services Institution. If the Trust Assets are managed by a KAG, the latter shall set up one or more special-purpose assets within the meaning of Sec. 2 (2) *InvG*. Securities managed by a Financial Services Institution, a suitable third party, or the Trustee shall be held separately pursuant Sec. 2 *DepotG*.
- (7) Upon termination of this Agreement prior to the occurrence of the Insured Event, the Trustee is obligated to deal with the Trust Assets available at that time in accordance with the provisions in § 14 of this Agreement. In case of an Insured Event, the Trust Assets shall be treated in accordance with the provisions in § 7 of this Agreement.
- (8) As long as the Agreement has not been terminated and no Insured Event has occurred, the Company may request reimbursement by the Trustee from the Trust Assets if it has provided services to settle Pension Claims secured by this Agreement. This also includes the settlement of reimbursement payments that the Company has made to third parties, in particular KGaA due to the Assumption Of Joint Liability, if the third party has provided services to settle the Pension Claims. This also applies if the value of the Trust Assets is less than the present value of the Pension Claims secured by this Agreement. The reimbursement shall be made at the request of the Company at the end of each financial year if the Company notifies the Trustee in writing that it has settled certain Pension Claims.

In addition, monthly reimbursement payments may be made during the year. The basis for the reimbursement is that the Company informs the Trustee in writing (i) of the amount in which they will each provide services to settle the Pension Claims secured by this Agreement and such amount shall be reimbursed in each case during the year in arrears; and (ii) of the extent to which they will provide services in the respective previous month to settle the Pension Claims secured by this Agreement. This also includes the settlement of reimbursement payments made by the

Company to third parties, in particular KGaA, if the third party has provided services to settle the Pension Claims. No reimbursement shall be made if the Trustee learns about the non-settlement of secured Pension Claims the settlement of which has been announced by the Company. In any case, reimbursement shall be made after the service is rendered, i.e., in arrears.

If a claim for reimbursement is not asserted, it lapses three months after the end of the financial year in which the service was provided to settle a pension claim. The Company may waive, as a whole or in part, any existing or future reimbursement claim by way of a unilateral written declaration to the Trustee. The Trustee is under no obligation to verify the accuracy of the information provided by the Company. However, in the event that information provided by the Company is clearly implausible, the Trustee shall request the Company to furnish further proof. As long as the Agreement has not been terminated and no Insured Event has occurred, the Company may agree with the Trustee (by mutual agreement) to satisfy Pension Claims due directly from the Trust Assets. Any performance obligation on the part of the Trustee arising from the provisions set out in the preceding sentences shall be limited to the Trust Assets existing at the respective point in time.

- (9) Regardless of the case (reimbursement) provided for in para. (8), the Company may require the Trustee to retransfer Trust Assets if the Company provides evidence in the form of an expert opinion prepared by the public accountant auditing the Company's financial statements to the effect that within the meaning of the applicable regulations of the HGB or IFRS (if these regulations apply to the Consolidated Financial Statements) it is permanently ensured that all Pension Obligations under this Agreement can be settled with the remaining Trust Assets. § 3 b (3) of the Agreement shall remain unaffected. The Trustee is under no obligation to conduct their own audit.
- (10) The administrative trust existing between the Company and the Trustee and specified in § 3 of this Agreement shall expire upon the occurrence of the Insured Event. This shall not affect this Agreement, in particular the other rights and obligations of the Trustee and the Company under this Agreement, which are not governed by this § 3 herein.

### **§ 3 a**

#### **Transfer of Pension Obligations to a pension fund**

- (1) Irrespective of the transfer of Pension Obligations to a pension fund upon any termination of this Agreement pursuant to § 14 (6) of this Agreement, the Company shall also have the right to transfer Pension Obligations to a pension fund as specified in Sec. 112 VAG during the term of this Agreement. The Pension Obligations shall be transferred to the extent that the respective Beneficiaries are awarded their own entitlement to benefits against the pension fund pursuant to Sec. 112 (1) s. 1 (3) VAG.
- (2) In the event of a transfer of Pension Obligations to a pension fund as referred to in para. (1), the Company may, as long as no Insured Event has occurred, request the Trustee to reimburse expenses incurred in full from the Trust Assets (i.e., all payments to the pension fund in connection with the transfer of the respective Pension Obligations) if the payments of the Company to the pension fund have been made in agreement with the Trustee. The claim for reimbursement of expenses also presupposes that no more than three months have elapsed between the Company's payment to the pension fund and the assertion of the reimbursement claim by the Company. The Company may waive all or part of an existing expense compensation claim by way of a unilateral written declaration to the Trustee. In lieu of the reimbursement of expenses set forth in the preceding sentences, the Company may also require the Trustee to provide direct Trust Assets to finance the transfer of Pension Obligations to a pension fund. Any performance obligation on the part of the Trustee arising from the provisions set out in the preceding sentences shall be limited to the Trust Assets existing at the respective point in time. If the Company incurs expenses for the transfer of obligations arising from claims and entitlements to corporate pension scheme benefits that are not secured by this Agreement, the Company cannot claim reimbursement of expenses from the Trust Assets.
- (3) If, following a transfer of Pension Obligations to a pension fund in accordance with the provisions in the preceding paragraphs, an additional funding obligation arises for the Company against the

respective pension fund with regard to the transferred Pension Obligations which previously were secured under this Agreement, the Company may require the Trustee to make available the amount required to meet the additional funding obligation from the Trust Assets. Should the Company meet the additional funding obligation without the Trustee providing the required amount, the Company may demand reimbursement of expenses from the Trust Assets for the amount used to meet the additional funding obligation if meeting the additional funding obligation by the Company is as agreed upon with the Trustee and if the time elapsed between meeting the additional funding obligation by the Company and assertion of the claim to the reimbursement of expenses by the Company does not exceed three months. The Company may waive the claim in full or in part by way of a unilateral written declaration to the Trustee. Any performance obligation on the part of the Trustee arising from the provisions set out in the preceding sentences shall be limited to the Trust Assets existing at the respective point in time.

- (4) The Company may also assert its claims in the full amount under para. (2) and (3) above if the value of the Trust Assets is less than the present value of the Pension Claims secured by this Agreement.

### **§ 3 b**

#### **Integration of pension fund provisions and trust security**

- (1) The Company and the Trustee agree that in the event of a transfer of Pension Obligations to a pension fund pursuant to § 3 a of this Agreement, the corporate pension benefits which the Company commits to shall be provided by the pension fund in its own name for the Company in accordance with the respective pension plans. Should there be an excess coverage allowing for a (re)transfer of assets of the pension fund to the Company, taking into account the relevant pension plans and the provisions of the German Insurance Supervision Act, the company is obligated to ensure that the pension fund transfers the assets to be released directly to the Trustee for the account of the Company for the purpose of financing and securing the Pension Claims secured under this Agreement. The Company is obligated to take the necessary measures to ensure that the pension fund releases assets only within the above limits. The Trustee is obligated to receive the assets released by the pension fund based on the above limits and to transfer them to the Trust Assets as long as this is in compliance with the Investment Guidelines attached as Annex 1.
- (2) The Company and the Trustee agree that the provisions in para. (1) shall also apply *mutatis mutandis* in the event of the dissolution of a pension fund to which Pension Obligations have been transferred in accordance with § 3 a of this Agreement.
- (3) If the Company has transferred Pension Obligations to a pension fund in accordance with § 3 a of this Agreement, the Trust Assets may only be retransferred to the Company in accordance with § 3 (9) of this Agreement if the Company has obtained an opinion from the auditor auditing the financial statements of the Company which proves to the Trustee that the relevant regulations of the HGB or IFRS ensure on a sustained basis that the Trust Assets remaining with the Trustee not only satisfy the Pension Obligations secured by this Agreement, but that the pension fund also has sufficient assets in order to be able to meet the Pension Obligations assigned to it on a permanent basis. To this extent, the Trustee is under no obligation to conduct their own audit. Any claim of the Company for the retransfer of Trust Assets shall therefore be excluded in particular as long as the pension fund to which Pension Obligations have been transferred in accordance with § 3 a of this Agreement lacks assets as defined in Sec. 115 (2a) and (2b) VAG. The Company may request that the Trustee transfer the Trust Assets that are not required to cover the Pension Obligations secured by this Agreement to the pension fund so that the latter may permanently settle the Pension Obligations transferred to it as specified in § 3a of this Agreement.



#### § 4

#### Genuine contract in favor of third parties; Securing Trust; Claims in case of an Insured Event

- (1) The Trustee shall hold the Trust Assets not only as an administrative trustee of the Company based on the provisions in § 3 of this Agreement, but at the same time as a securing trustee of each Beneficiary in accordance with the more detailed provisions of this Agreement. The Securing Trust is established by way of this Agreement, which thus represents a genuine contract for the benefit of third parties within the meaning of Sec. 328 (1) *BGB* (*Vertrag zugunsten Dritter*) and does not depend on the existence of the administrative trust pursuant to § 3 of this Agreement. The Securing Trust is established immediately upon conclusion of this Agreement and may not be terminated without the written consent of the respective Beneficiaries unless such termination is in accordance with the provisions of this Agreement. Under the Securing Trust, any Beneficiary authorized to enter into this Agreement has the right to require the Trustee to act in the interest of securing the Pension Claims in accordance with the provisions of this Agreement. In case of an Insured Event, each Beneficiary may directly require the Trustee to satisfy their Pension Claims against the Company from the Trust Assets, taking into account the Securing Ranking and complying with the more detailed provisions in § 7 of this Agreement. The performance obligation of the Trustee in case of an Insured Event shall be limited to the Trust Assets existing at the respective point in time.
- (2) In case of an Insured Event, the Trustee is obligated to first fulfill its obligations under § 7 of this Agreement before satisfying any claims of the Company under this Agreement, including any retransfer or repurchase entitlements of the Company for unjust enrichment or under insolvency law or other statutory provisions. A full or partial retransfer of the Trust Assets to the Company before or after the occurrence of the Insured Event shall be limited to the cases expressly specified in this Agreement.
- (3) The Company's right to require the Trustee to disburse benefits to the Beneficiaries pursuant to § 7 of this Agreement in case of an Insured Event shall remain unaffected by the independent benefit entitlement of the Beneficiaries in case of an Insured Event (Sec. 335 *BGB*).
- (4) It is the contractual basis for the Contracting Parties that the Securing Trust in favor of the Beneficiaries shall continue until all Pension Claims are fully settled or the Pension Claims are secured by agreeing on another Equivalent Security under this Agreement as specified in § 11 (7) of this Agreement or until the Trustee has utilized the Trust Assets in full in accordance with the provisions of this Agreement and no longer holds any Trust Assets. The Securing Trust shall continue in case of an Insured Event regardless of the fact that the administrative trust between the Company and the Trustee has expired. Should this Agreement be terminated in a legally effective manner before all Pension Claims have been settled in full, the preceding para. (1) to (3) and the provisions in § 14 of this Agreement shall apply *mutatis mutandis* to each retransfer claim of the Company resulting from such termination or cancellation.

#### § 5

#### Calculation of the Obligation Value relating to the Pension Claims to be secured

- (1) Once a year as at December 31 of each preceding year ("**Valuation Date**"), the Obligation Value of all Pension Claims to be secured shall be determined by an actuarial expert commissioned by the Company (hereinafter "**Actuary**"). For the purpose of this Agreement, the "**Obligation Value**" shall be the respective defined benefit obligation ("**DBO**") for each Beneficiary, if the DBO defined benefit obligation ("**DBO**") under IFRS for all existing Pension Claims at the Valuation Date exceeds the pension provision under HGB for all Pension Claims at the Valuation Date ("**pension provision according to HGB**" in this context shall mean the pension provision to be recorded according to the regulations of the HGB assuming full exercise of all asset recognition options pursuant to Sec. 28 *EGHGB*, the amount according to Sec. 253 *HGB* including discounting, but not taking into account netting pursuant to Sec. 246 (2) *HGB* and not taking into account the transitional provisions under Article 67 *EGHGB*); otherwise, the Obligation Value shall equal the respective pension provision according to HGB for each entitled Beneficiaries.

The service agreement with the Actuary (existing or to be concluded) shall require the Actuary to

immediately notify the Trustee in addition to the Company once the Obligation Value of the Pension Claims has been determined. The calculation method for calculating the Obligation Value stipulated in the agreement entered into or to be entered into by the Company and the Actuary must comply with the accepted rules of actuarial mathematics and the applicable accounting principles. The calculation method may be adjusted based on the most recent version of the accepted rules of actuarial mathematics and the applicable accounting principles by amending the service agreement.

- (2) If Pension Claims arising in the future are (in whole or in part) excluded from the scope of the Agreement by way of unilateral declaration by the Company pursuant to § 15 (1) of this Agreement, such claims shall not be taken into account when calculating the Obligation Value of the Pension Claims to be secured.

## § 6 Data transfer

- (1) Upon conclusion of this Agreement, and thereafter annually at the Valuation Date, the Company shall submit to the Trustee a record containing all data and information required by the Trustee to meet its obligations under this Agreement. These data and information include, in particular, an up-to-date list of Beneficiaries (including employee ID numbers, name, and date of birth) and information on the applicable pension regulations or individual contractual agreements on the basis of which the Beneficiaries are entitled to Pension Claims secured by this Agreement. The data shall be transferred in a paperless manner unless the Trustee exceptionally requires the paper-based transfer in writing. Instead of the regular transmission of the above-mentioned data and information, it is also sufficient to provide the Trustee with access to the corresponding database if this ensures that the Trustee has access to the required up-to-date data at all times, in particular in case of the occurrence of an Insured Event.
- (2) Insofar as the Company or the Trustee are required under this Agreement to collect, process, prepare or transfer data, they each shall have the right to commission a service provider with the fulfillment of this obligation. In this case, the respective client of the service provider must ensure that the obligations incumbent on it under this Agreement (including those under § 12 and § 13 of this Agreement) are fulfilled. Service providers of the Company and the Trustee may be identical.

## § 7 Rights and settlement in case of an Insured Event

- (1) Upon occurrence of an Insured Event as specified under para. (4) lit. (a) of the Preamble, the Trustee shall first use the Trust Assets in accordance with the Securing Ranking set out in § 1 (3) of this Agreement in order to settle the Pension Claims due after the occurrence of the Insured Event. If there are no longer sufficient Trust Assets to settle all due Pension Claims at the due date, prorated satisfaction shall be pursued. As of the initiation of insolvency proceedings or the rejection to initiate insolvency proceedings due to the lack of assets, the further processing shall be based exclusively on the following paragraphs. If the initiation of insolvency proceedings is rejected for reasons other than the lack of assets, the Insured Event shall cease to exist and no further settlement shall occur. Disbursements made from the Trust Assets portfolio pursuant to this paragraph shall remain unaffected.
- (2) Upon occurrence of the Insured Event as specified in para. (4) lit. (b) to (d) of the Preamble or in the event of the opening of insolvency proceedings in respect of the Company's assets or in the event of a rejection of the initiation of insolvency proceedings due to the lack of assets after the occurrence of an Insured Event as defined in para. (4) lit (a) of the Preamble (hereinafter "**Final Insured Event**"), the Trustee shall first use the Trust Assets in accordance with the Securing Ranking set out in § 1 (3) of this Agreement to settle the portion of the Pension Claims existing at this time not legally secured against insolvency by PSV. The Trustee shall use the remaining Trust Assets to settle the portion of the Pension Claims existing at this time legally secured against insolvency by PSV. The precise scope and manner of settlement of the Pension Claims are governed by the provisions in the following paragraphs.
- (3) The settlement of the individual Pension Claims after the occurrence of the Final Insured Event is

governed by the following provisions: Upon occurrence of the Final Insured Event, the Trustee shall instruct an Actuary as set forth in § 5 (1) of this Agreement to determine the Obligation Value of all Pension Claims existing upon occurrence of the Final Insured Event on the effective date of the Final Insured Event (hereinafter referred to as "**Effective Date**"). The amount of the secured Pension Obligations depends on the applicable collective or individual agreements. This shall also apply to any index-linking of Pension Claims provided for in these collective and individual agreements. Adjustments prescribed by law, in particular adjustments pursuant to Sec. 16 BetrAVG, shall only be taken into account to the extent that they had already been made at the time of the occurrence of the Final Insured Event. The legal regulations, in particular Sec. 16 BetrAVG, shall not apply to the services to be rendered by the Trustee to the Beneficiaries after this date.

Upon occurrence of the Final Insured Event, the Company is obligated to immediately provide the Trustee with all data and information required for the calculation of the Actuary upon the latter's request. If the Company does not fulfill its obligation to provide the data and information within 6 weeks, the calculation by the Actuary shall be based on the most recent record provided to the Trustee pursuant to § 6 of this Agreement. If the Trustee receives the relevant data and information at a later date, they may request a new calculation from the Actuary and use this new calculation as the basis for any further activity.

Based on the calculation of the Actuary, the Trustee shall carry out a mathematical segmentation of the Trust Assets, after deducting any amount required to cover the estimated costs incurred (including the costs and expenses referred to in § 9) and taking into account the Securing Ranking set out in this Agreement, in such manner that a fraction of the Trust Assets is stipulated for each Beneficiary as exclusively covering assets for the respective pension claim (or, if the Trust Assets are insufficient, only for the Beneficiaries with Pension Claims not secured by PSV).

If the Trust Assets, after deduction of the (estimated) settlement costs,

- are sufficient to cover the determined Obligation Value of all Pension Claims, each covering asset corresponds to the respectively determined Obligation Value of the individual claim;
- while sufficient to cover the assessed Obligation Value of the portion of the Pension Claims not secured by the PSV, but not to cover the assessed value of all Pension Claims, the covering asset for the portion of the Pension Claims not secured by PSV corresponds to the respective Obligation Value determined. With regard to the Pension Claims or the portion of the Pension Claims secured by PSV, a pro rata allocation of the assets shall be made which is still available after the deduction of the covering asset attributable to the Pension Claims not secured by the PSV;
- if insufficient to cover the determined Obligation Value of the portion of the Pension Claims secured by PSV, a pro rata allocation of the asset to this portion of the claims shall be made.

The Trustee shall promptly notify each Beneficiary in writing about the amount of covering asset stipulated for the same. The Trustee shall note that any impairment losses of the Trust Assets (e.g., as a result of the performance of the Trust Assets, taxes and levies payable on the Trust Assets such as capital gains tax and solidarity surcharge or withdrawals from the Trust Assets for reimbursement of - not yet recognized - costs and expenses) as of the Effective Date shall be to the detriment of the respective covering assets, while any appreciation in value shall be in favor of the respective covering assets.

- (4) Without prejudice to the provisions of the following paragraphs, the Trustee shall be obligated to pay each Securing Trust Beneficiary out of the Trust Assets up to the amount of the respective covering asset of the individual Beneficiaries if and to the extent their Pension Claims are due. At each due date, a payment is made in full in the amount of the pension claim due payable until the respective covering asset has been exhausted so that the last payment can be a partial payment.

Costs arising from or in connection with any disbursement shall be borne by the covering assets concerned. The Trustee shall liquidate the Trust Assets to the required extent unless this has already been carried out in accordance with para. (6), and from the proceeds pay the statutory income tax due on the respective covering assets as well as the social security contributions (insofar as these are to be paid for the respective Beneficiaries) to the competent tax office or the respective competent collecting agency, in order to immediately disburse the covering asset reduced by the specified items to the individual Beneficiaries.

If and to the extent that the Pension Claims are not due upon the occurrence of the Insured Event or will not be due upon the occurrence of the Insured Event, the Trustee shall manage or have managed the respective covering assets (or to the extent that additional Trust Assets exist which has not been assigned to certain Beneficiaries as covering asset at the expense of this additional trust asset). Costs incurred as a result of or in connection with the beneficiary and pension administration (including benefit payment) shall be borne by the respective covering assets (provided that no additional Trust Assets exist which have not been allocated to certain Beneficiaries as covering assets).

- (5) In lieu of the disbursement or further management of the covering assets, the Trustee shall also be authorized to use the covering assets to set up an Equivalent Security as defined in § 11 (7) of this Agreement. In particular, the Trustee shall have the right to transfer the covering assets to another structure that provides Equivalent Security. Equivalent Security shall also mean the procurement of reinsurance policies for the Pension Claims using the funds of the covering assets assigned to these Pension Claims. Reinsurance may also be limited to the portions of the Pension Claims not secured by the PSV; the respective portions of the covering assets shall be used for this purpose.

Equivalent Security shall also include the transfer of covering assets to the PSV, provided that PSV demonstrates that the respective covering asset provide adequate coverage individually for the relevant pension claim (for example, by purchasing appropriate insurance).

If the Trustee uses the covering assets as set out in this paragraph to establish an Equivalent Security, this shall eliminate their obligations to meet the Pension Obligations arising from the covering assets in the amount of the respective incurred nominal amount. Any costs incurred as a result of the measures described above shall be borne by the covering assets concerned (unless additional Trust Assets exist which have not been assigned to certain Beneficiaries as covering assets).

- (6) The Trustee shall have the right to invest the Trust Assets, in full or in part, in money market funds or other liquid forms of investment after the occurrence of the Insured Event. They may liquidate the Trust Assets in full or in part to the extent that this is necessary for the satisfaction of the Pension Claims. The Investment Guidelines (Annex 1) shall no longer apply if an Insured Event occurs unless they contain special provisions for the capital investment after the Insured Event or provide for continued applicability of the regulations for the capital investment after the occurrence of the Insured Event. Any departure from the provisions of the Investment Guidelines which continue to be applicable is permitted in case of an Insured Event if this is useful in the fulfillment of the obligations of the Trustee. Any rights of the Company with respect to the Investment Guidelines as well as any other potential influence of the Company on the investment and administration of the Trust Assets shall not apply in case of an Insured Event. If, due to legal or factual circumstances, the Trustee is not able to access portions of the Trust Assets upon occurrence of the Insured Event, they shall be obligated to take necessary measures to gain access at the expense of the Trust Assets.
- (7) The Trustee may use one or more suitable service providers to fulfill its obligations in case of an Insured Event. Any costs incurred as a result of using a service provider, as well as the other costs and expenses to be reimbursed in accordance with § 9, shall be covered by the Trust Assets. They shall be taken into account when determining the expected handling costs referred to in para. (2). They shall also be withdrawn from the Trust Assets with distribution to the covering assets, if they have not been sufficiently taken into account in the determination of the settlement costs, unless additional Trust Assets exist which were not allocated to certain Beneficiaries as covering assets.

- (8) The Trustee may implement an advisory body comprising competent persons to assist in making investment decisions, provided that there is an active investment of the Trust Assets as of the occurrence of the Insured Event.
- (9) In case of an Insured Event, the Trustee may, on the basis of a separate written agreement with PSV, reimburse PSV from the Trust Assets for the benefits PSV provides to Beneficiaries for Pension Claims secured under this Agreement if due to the benefits provided by PSV the Trustee's obligation to provide such benefits expires. If such reimbursement is made, the Trustee may access only the covering asset of the Beneficiary to whom PSV has provided benefits.
- (10) The Beneficiaries shall not issue any instructions with regard to the manner of the utilization and distribution or other utilization of the Trust Assets in case of an Insured Event. If a Beneficiary fails to take an action necessary to enable the Trustee to meet its obligations vis-à-vis this Beneficiary, the Trustee shall be entitled to withhold benefits to this Beneficiary until the required action has been taken.
- (11) To the extent that, after all Pension Claims of the Beneficiaries have been settled and the Trustee has met all obligations vis-à-vis the tax authorities and has made all social security contributions to the collecting agencies or when such claims and obligations regarding the use of respective covering assets are deemed to have been met, and after all Pension Claims of service providers have been met, and the Trustee has satisfied its claims for reimbursement of costs and expenses from the Trust Assets, Trust Assets are still available, the Trustee shall prepare a final account and transfer these assets back to the Company. Pension Claims are deemed to have been settled if the Trustee has fully utilized the covering assets assigned to these Pension Claims pursuant to the provisions of this § 7.

## § 8

### Trustee's authorization to deposit

- (1) Upon occurrence of the Final Insured Event, the Trustee may, provided the deposit requirements of Sec. 372 *BGB* are met, discharge itself from its obligations towards the Beneficiaries and the Company under this Agreement by using the transferred Trust Assets and to deposit the proceeds with the Local Court at the registered office of the Company after deducting its cost and expenses and waiving redemption to the benefit of the Beneficiaries, the Company, the respective tax office responsible for the collection of income tax on Pension Claims, as well as the respective collection agencies responsible for the collection of the applicable social security contributions. If PSV asserts claims against the Trustee on the Trust Assets or a portion of the Trust Assets, the Trustee may be mentioned as the eligible beneficiary in the deposit application in addition to the aforementioned parties. The costs of the deposit shall be borne by the Trust Assets.
- (2) Outside the Final Insured Event, the Trustee may deposit only in case of § 14 (5) of this Agreement (failure of the transfer of the Trust Assets after the termination of the Agreement).

## § 9

### Expense reimbursement claim by the Trustee

- (1) The Trustee shall work free of charge. To the extent that the Trustee incurs expenses as a result of their activities relating to the fulfilment of their obligations under this Agreement, they may claim the corresponding amounts from the Trust Assets if the expenses are not reimbursed by the Company based on a separate agreement. Reimbursable expenses also include expenses incurred in the business operation of the Trustee such as expenses for accounting, auditing of the accounts by an external auditor, external service providers, or the management of the association (including executive remunerations and directors and officers liability insurance premiums). If the Trustee also concludes trust agreements with other companies of the Group to cover corporate pension scheme benefits, the expenses not specifically attributable to a trust agreement (in particular expenses incurred in the business operations of the Trustee) shall be allocated to the respective Trust Assets based on a distribution key agreed by the Companies or, if a distribution key has not been agreed, based on the ratio of the Trust Assets affected.

- (2) As of the occurrence of the Insured Event, all costs and expense shall be borne by the Trust Assets. Other provisions regarding the costs to be borne in this Agreement, in particular in § 7, shall remain unaffected.

### **§ 10 Trustee's liability**

- (1) In performing its obligations arising from and in connection with this Agreement, the Trustee shall be liable only for intent and gross negligence.
- (2) The Trustee shall not be held liable if damages are caused as a result of inadequate advance payments by the Company or any third party commissioned by the latter, in particular the transmission of inaccurate data and information (which, for example, leads to unjustified reimbursement pursuant to § 3 (8) of this Agreement).
- (3) The Parties agree that the Trustee does not assume and cannot assume any liability for the investment success of the Trust Assets and the degree of coverage of the Pension Obligations by the Trust Assets.
- (4) The Company hereby indemnifies the Trustee and its managing bodies (who are third-party Beneficiaries within the meaning of Sec. 328 *BGB*) from any claims asserted by third parties or Beneficiaries against the Trustee and its officers in connection with the execution of this Agreement, unless the claim asserted by the third parties or the Beneficiaries is based on a grossly negligent or intentional act of the respective bodies or their employees. The indemnification of the Trustee from any claim by the Beneficiaries pursuant to s. 1 does not cover the claim of the Trustee for fulfillment of its obligations specified in § 7 of this Agreement. Changes to this indemnification may be effective only for the future and require the approval of the Trustee's managing bodies.

### **§ 11 Transfer of undertaking and expiration of the obligation to recognize Pension Obligations, change in Beneficiaries**

- (1) Should, prior to an Insured Event, as a result of a legal transaction, an undertaking or part of an operation be transferred from the Company to another owner as set forth in Sec. 613 a *BGB* (regardless of whether this is the result of a singular succession or due to measures under the *UmwG*) and thus the Company is no longer the debtor of the Pension Claims of the Beneficiaries transferring to the new owner together with the undertaking, the total amount of the Pension Claims secured by this Agreement shall be reduced accordingly. The same applies if, prior to the occurrence of the Insured Event, as result of a split (including hive-down) under *UmwG* pension obligations to former employees of the Company are transferred to another company with the effect of discharging the Company. The preceding s. 1 and 2 of this paragraph shall not apply to the extent and insofar as the Company is not discharged from its Liability for the Pension Claims due to the Assumption Of Joint Liability. In this case, in particular the securing trust (§ 4 (1)) shall remain effective and the Insured Event is triggered when and if the circumstances triggering the Insured Event occur at the level of the new employer.
- (2) In one of the cases referred to in para. (1) and when and if the conditions specified in para. (1) s. 3 are not satisfied, the Company may require the Trustee, at the date of the transfer of undertaking, to provide the portion of the Trust Assets which corresponds to the portion of Pension Obligations transferred to the new owner in the total Obligation Value of all Pension Claims secured by this Agreement at the time of the transfer of undertaking to the business owner in order to establish an Equivalent Security within the meaning of para. (7) for the Pension Obligations to be transferred to the new business owner.

The Company is obliged to exercise its aforementioned right and to require the provision of Trust Assets to establish an Equivalent Security if the new business owner is a company affiliated with the Company; in this case, the part of the Trust Assets which is equivalent to the portion of the Pension Obligations of the new business owner in the total Obligation Value of all Pension Claims secured by this Agreement at the time of the transfer of undertaking shall be made

available. The Company's obligation as set out in the previous sentence shall not apply to the transfer of undertaking to a new business owner that is not a company affiliated with the Company within the meaning of Sec. 15 of the German Stock Corporation Act (*Aktiengesetz – AktG*) or if the conditions specified in para. (1) s. 3 are satisfied.

- (3) Subject to the prerequisites set out in § 3 (9) of this Agreement, the Company may demand the retransfer of Trust Assets.
- (4) If the Trust Assets wholly or partially comprise assets that cannot be proportionally divided, the Trustee shall decide in the aforementioned cases how the specific assets constituting the Trust Assets will be distributed, unless the Investment Guidelines (Annex 1) assign this decision-making authority to the Investment Committee. Relevant for the required valuation of the assets in the Trust Assets is their fair value as defined by IFRS. § 5 of this Agreement shall apply with regard to a required determination of the Obligation Value of the transferred Pension Obligations.
- (5) The prerequisite for any transfer of Trust Assets to be made by the Trustee is that the new business owner has demonstrated to the Company or the Trustee that the transfer of the assets has been granted Equivalent Security. The equivalency of the security and the amount to be transferred shall be evidenced by a confirmatory statement by the auditor auditing the financial statements of the Company. The Trustee is under no obligation to conduct their own audit. The cost of the above proof shall be borne by the Company.
- (6) The provisions of para. (1) to (5) above shall apply *mutatis mutandis* if prior to the occurrence of the Insured Event a beneficiary is transferred from the Company (i) to a company which is an affiliated company as defined by Sec. 15 AktG, or (ii) to another company that is not affiliated with the Company as defined by Sec. 15 AktG, and the Pension Obligations arising from the Pension Claims of the transferred Beneficiaries are transferred to the receiving company.
- (7) "Equivalent Security" is defined as any securing of Pension Claims against the Company's insolvency and overindebtedness as a result of which the Beneficiaries' asset interests are protected to an economically comparable extent (this is usually the case when the existing Trust Assets attributable to the Pension Claims secured by the new security are used in full for the new security) and taking into account the Securing Ranking such as through the security provided under this Agreement (e.g., by transfer to a comparable (Group) trust structure or the pledging of claims under corresponding reinsurance policies). For the purpose of this Agreement, a security which gives rise to a segregation right in case of an Insured Event as well as a security which establishes a segregation right in the case of an Insured Event shall be deemed an Equivalent Security.

For the establishment of the Equivalent Security, the Trustee may use no more than the portion of the Trust Assets equivalent to the Obligation Value of the corresponding Pension Claims in relation to the Obligation Value of all Pension Claims secured by this Agreement. The arm's length market cost of establishing the Equivalent Security shall be charged to this portion of the Trust Assets or, if the entire Trust Assets are utilized, shall be charged to the Trust Assets as a whole. Furthermore, a security is deemed to be equivalent only if the protection it affords to the Beneficiaries against access by the Company as the debtor of the Pension Claims to assets which serve to secure the Pension Claims qualitatively corresponds to the requirements which are to be met under the accounting standards that have been adopted and recognized by the Company in the financial statements (if applicable) for the qualification of assets as plan assets or as being eligible for netting. The equivalence of the security must be demonstrated through written confirmation of the auditor auditing the financial statements of the Company. The Company shall bear the corresponding costs. The Trustee is under no obligation to conduct their own audit.

## § 12 Confidentiality

- (1) Without prejudice to the transfer rights under § 12 (2) of this Agreement, the Company and the Trustee undertake to treat

## Trust Agreement regarding the securing of the CTA-Secured Direct Commitments to be transferred

- all documents, information and data (including accounting records, contracts, analysis, compilations, forecasts, investigations and other financial data including by way of floppy disks, CD-ROMs, or other storage units) made available to them by the other party or known to them by virtue of this Agreement or with a view to its preparation or execution,
- as well as the text of this Agreement

- hereinafter collectively referred to as “**Confidential Information**” -

strictly confidential for an indefinite period of time (hence also beyond the term of this Agreement), use them only within the scope of the contractual relationship and not disclose them to third parties without the prior consent of the other Party unless required for the purpose of this Agreement.

- (2) The Company and the Trustee shall disclose Confidential Information only to those of their authorized agents, representatives, employees, or external consultants and service providers who require access to the Confidential Information to perform their duties or mandate for a Party and who have been notified by the Party concerned regarding the confidentiality of the transaction. Unless they are subject to para. (3), external consultants and service providers must have submitted a written declaration to the effect that they accept the terms of this § 12 as binding.
- (3) Such a written declaration shall not be required for external consultants and service providers who are obligated through mandatory professional regulations and policies to treat the Confidential Information as confidential.
- (4) The right to disclose confidential information to fulfill legal obligations shall remain unaffected.
- (5) The Company and the Trustee must immediately notify the other Party, if the latter is affected, or for any known or legitimate reason is justified to assume that Confidential Information has been disclosed to an unauthorized person.
- (6) The Beneficiaries have a right of access to the Company from the date of the occurrence of the Insured Event, as well as vis-à-vis the Trustee with regard to the rights that they are specifically entitled to from the Securing Trust. The Company and the Trustee may require that the Beneficiaries requesting the information enter into a non-disclosure agreement in accordance with the provisions of this § 12 before information is provided.

### § 13

#### Privacy policy

To comply with data protection provisions relating to the performance of this Agreement, the Company and the Trustee undertake to take appropriate measures necessary for the collection, processing, use and transfer of the personal data of the Beneficiaries. The Company and the Trustee shall appoint the Privacy Officer of the Company to oversee the privacy provisions of this Agreement.

### § 14

#### Term, cancellation, and termination of the Agreement

- (1) This Agreement becomes effective upon signing by both Parties and under the condition precedent that the Operational Hive-down is registered in the Commercial Register of KGaA; it is concluded for an indefinite period.
- (2) This Agreement may be terminated at any time by mutual agreement between the Company and the Trustee. Amicable termination is only permitted and effective if at least an equivalent security is ensured.
- (3) Otherwise, this Agreement may be terminated by the Company until the occurrence of an Insured Event within a period of six months as per the end of the year or be otherwise terminated



by the Company or the Trustee for due causes without giving notice. Due cause shall mean in particular if the Trustee, despite prior warning, violates obligations under this Agreement or if the number of members of the Trustee falls below the minimum number required by law; in the latter case, the Trustee may also terminate the Agreement. The Agreement shall be deemed to have been terminated in accordance with s. 1 for due cause in the event of dissolution, insolvency, or loss of the legal capacity of the Trustee. The occurrence of the Insured Event shall not constitute due cause. This Agreement may also be terminated by either Party if there are no longer any Pension Claims against the Company secured under this Agreement.

- (4) Upon termination of this Agreement pursuant to para. (3) s. 1, the Trustee shall transfer any remaining Trust Assets to a third party to be designated in writing by the Company, provided that the latter enters into an agreement with the Company for the benefit of the Beneficiaries which represents an at least Equivalent Security of the Pension Claims. The equivalence of the security must also be proven in this case at the Company's expense by a statement of the auditor auditing the financial statements of the Company. The Trustee is under no obligation to conduct their own audit. Upon termination of this Agreement by either Party, both Parties shall be required to perform all necessary actions required to ensure Equivalent Security. In the event of a termination in accordance with para. (3) s. 1 and regardless of the proper period of notice specified therein, this Agreement may not be terminated until an Equivalent Security has been implemented.
- (5) If the prerequisites for a transfer of the Trust Assets pursuant to para. (4) are not met within three months of receipt of the notice of termination, the Trustee may, provided the deposit requirements of Sec. 372 *BGB* are met and provided that trust administration within the meaning of this Agreement is no longer guaranteed, undertake to discharge itself from its obligations under this Agreement by depositing the Trust Assets with the Local Court of the registered office of the Company for the benefit of the Company, the tax offices responsible for the collection of income tax, and the respective collecting agencies responsible for the collection of social security contributions, and all Beneficiaries with discharging effect. Trustee may utilize the Trust Assets if required for depositing these assets. If PSV asserts claims against the Trustee on the Trust Assets or a portion of the Trust Assets, the Trustee may be mentioned as the eligible beneficiary in the deposit application in addition to the aforementioned parties. The costs of the deposit shall be borne by the Trust Assets.
- (6) As of the occurrence of the Insured Event, this Agreement may be terminated only by the Trustee and only for due cause. Due cause shall mean in particular if the number of members of the Trustee falls below the legally stipulated minimum number or threatens to fall below it permanently. If the Agreement is terminated in accordance with s. 1 upon the occurrence of the Insured Event, the Trustee shall remain obligated, irrespective of the termination, to comply immediately with the duties and obligations pursuant to § 7 of this Agreement. However, the Trustee shall have the right to provide in its own name an Equivalent Security within the meaning of § 11 (7) in favor of the Beneficiaries secured under this Agreement and to cover the resulting expenses by withdrawing from the Trust Assets. After the establishment of an Equivalent Security, the securing of the corresponding Pension Claims provided by this Agreement ceases. If the Company has transferred Pension Obligations to a pension fund in accordance with § 3 a of this Agreement, the Trustee may, in its own name, transfer items of the Trust Assets not required to cover the Pension Obligations secured by this Agreement to the pension fund, provided that this is necessary, so that the pension fund can permanently fulfill the Pension Obligations transferred to it in accordance with § 3 a of this Agreement. Moreover, the provision in § 8 (1) of this Agreement shall also remain applicable.
- (7) The Company may only demand the retransfer of the Trust Assets after the termination of this Agreement if all Pension Claims are fully satisfied or the Pension Claims are secured by the establishment of another equivalent security. If the Company has transferred Pension Obligations to a pension fund pursuant to § 3 a of this Agreement, Trust Assets may only be retransferred to the Company after the termination of this Agreement subject to the additional condition that the pension fund also has sufficient assets to cover its Pension Obligations permanently. A claim of the Company to retransfer Trust Assets after the termination of this Agreement is therefore excluded as long as the pension fund to which Pension Obligations have been transferred in accordance with § 3 a of this Agreement lacks assets as defined in Sec. 115

(2a) and (2b) VAG. The Company may require that the Trustee transfer to the Pension Fund any items of the Trust Assets not required to cover the Pension Obligations secured by this Agreement and not required to establish an equivalent security, so that it can permanently fulfill the obligations transferred to its in accordance with § 3 a of this Agreement.

## **§ 15**

### **Amendments to the Agreement**

- (1) The Company may exclude Pension Claims or portions of Pension Claims which do not arise until after a date not in the past to be determined by the Company, through unilateral written declaration to the Trustee and the respective Beneficiaries (insofar as these are included in this Agreement with their Pension Claims acquired up to the Effective Date) from the scope of this Agreement. Pension Claims and parts of Pension Claims which have arisen or were accrued until such date, shall remain unaffected and continue to be secured by this Agreement if the Company exercises the right specified in s. 1.
- (2) Amendments to the Agreement which merely change the content of technical processes or are a remedy of omissions, are made while maintaining the security interests of the Beneficiaries in consultation between the Company and the Trustee, without requiring the consent of the Beneficiaries. This shall also apply to contractual amendments that serve the purpose of establishing another, at least equivalent, security (Equivalent Security) for the Beneficiaries (even if the previous security is canceled). S. 1 shall also apply to the rewording of the Agreement that merely clarifies the common intent of the Company and the Trustee when entering into this Agreement.
- (3) Subject to compliance with the purpose of this Agreement to ensure the securing of the Beneficiaries as of the transfer of the assets pursuant to § 3 (1) of this Agreement to the Trustee up to any Insured Event, the Company shall have the right, to the extent that netting of the liability to be reported due to the Pension Claims in the Consolidated Financial Statements or in the financial statements with the separate assets covering Pension Obligations - as described in para. (5) of the Preamble to this Agreement - is not or no longer feasible, to amend the Agreement even without the consent of the Beneficiaries so that netting is possible provided that after the amendment of the Agreement an equivalent security continues to exist.
- (4) To the extent that the modification of this Agreement is required due to legal or regulatory provisions or due to revised or new case law, the Company and the Trustee shall jointly modify the Agreement, taking into account the interests of the Beneficiaries without their consent being required.
- (5) Modifications and amendments to this Agreement which are only beneficial to the Beneficiaries shall not require their consent.
- (6) Otherwise, the Agreement may only be amended with the consent of at least 75% of the respective Beneficiaries concerned.

## **§ 16**

### **Inclusion of additional Pension Claims**

- (1) The Company reserves the right, in addition to the Pension Claims and entitlements defined in paragraph 2 of the Preamble of this Agreement, to cover further claims and entitlements from pension commitments of the Company in the securing pursuant to this Agreement. This is done by written notification of the Company to the Trustee. Should the Company exercise this right, the definition of the Pension Claims under this Agreement shall change accordingly.
- (2) The extent of the financing and thus the security of the individual Pension Claims may be reduced by including further claims and entitlements to the provision of corporate pension scheme benefits in the securitization under this Agreement. The Company is not obligated to increase the value of the Trust Assets in such a case.

**§ 17**

**Final provisions**

- (1) This Agreement shall become effective upon the Operational Hive-down becoming effective on the Legal Effective Date.
- (2) Claims under this Agreement can neither be assigned nor encumbered, pledged, or otherwise transferred to third parties. Any assignments, encumbrances, pledges, or transfers shall not be effective vis-à-vis the other Party.
- (3) There are no verbal side agreements to this Agreement. Any changes and amendments to this Agreement, including this written form clause, must be in writing in order to be effective, unless stricter form requirements are prescribed by mandatory statutory provisions.
- (4) Should one or more provisions of this Agreement be or become invalid, either as a whole or in part, this shall not affect the validity of the remaining provisions. The Company and the Trustee are obligated to replace an invalid provision with such valid provision coming closest to the intended economic purpose of the invalid provision. The same shall apply to any omissions in the Agreement.
- (5) To the extent legally permissible, the exclusive place of jurisdiction for all disputes arising from this Agreement shall be Darmstadt. The law of the Federal Republic of Germany shall apply to the exclusion of German international private law.
- (6) The investment guidelines attached as Annex 1 shall form an integral part of this Agreement. The definitions and statements contained in the Preamble shall also be an integral part of this Agreement.
- (7) This Agreement is executed in two copies. A copy is provided each to:
  - the Company
  - the Trustee

Trust Agreement regarding the securing of the CTA-Secured Direct Commitments to be transferred

Of this Deed,

- each Party shall receive a certified copy.

Any and all costs relating to this Deed and its execution shall be borne by Merck KGaA, Darmstadt, Germany.

This transcript was read aloud to the persons who appeared before the Notary Public, including Annex 1, approved by them, and personally signed by them and the notary public as follows:

[Signatures]

## **Annex 1: Investment Guidelines**

The Investment Guidelines of Merck KGaA as amended shall apply.

Darmstadt on

**For Merck Healthcare Germany GmbH, Merck Life Science Germany GmbH, and Merck Performance Materials Germany GmbH**

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of HC OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann



**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 16, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

**DELEGATED POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Healthcare Germany GmbH, Darmstadt, Germany, with its corporate seat in Darmstadt, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

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Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of HC OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann



**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 16, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

Darmstadt, February 14, 2018

[Signature]

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;



3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

**DELEGATED POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Life Science Germany GmbH, Darmstadt, Germany, with its corporate seat in Darmstadt, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

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Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

Darmstadt, February 14, 2018

[Signature]

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;



3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Vienna, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**DELEGATED POWER OF ATTORNEY**

for

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 93768 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.



Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Vienna, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**POWER OF ATTORNEY**

of

**Merck Pensionstreuhand e.V., Darmstadt, Germany,  
a related company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, registered in the register of associations  
of the lower court of Darmstadt under VR 83075 (**MP e.V.**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240, for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771, for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93768, for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).



As part of the Operational Hive-down, active employees under the Operational Hive-Down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Units shall be hived down to the OpCos. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via MP e.V. by way of a Contractual Trust Agreement **(CTA)**.

The OpCos in turn shall enter into appropriate CTA agreements with MP e.V. to provide the security, even after the Operational Hive-down is implemented also for the duration of the aforementioned business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

NOW THEREFORE, MP e.V. hereby authorizes

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and

13. Christoph Frieling, born on September 16, 1977

all with business address:  
c/o MERCK KGaA, Darmstadt, Germany  
Frankfurter Straße 250, 64293 Darmstadt, Germany,

(the **Representatives**),

each separately and independently of each other, to enter into the following contracts in the name of MP e.V.:

1. CTA-trust agreement between the OpCos, represented by KGaA, and MP e.V. to continue securing the pension commitments against insolvency as well as
2. Partial transfer agreement concerning transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V.

The Representatives shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representatives' discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representatives, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the powers of attorney, either as a whole or in part.

Darmstadt, February 19, 2018

[Signature]

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Rando Bruns

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Matthias Bürk

**POWER OF ATTORNEY**

of

**Merck Pensionstreuhand e.V., Darmstadt, Germany,  
a related company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, registered in the register of associations  
of the lower court of Darmstadt under VR 83075 (**MP e.V.**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240, for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771, for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93768, for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-Down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Units shall be hived down to the OpCos. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via MP e.V. by way of a Contractual Trust Agreement (**CTA**).

The OpCos in turn shall enter into appropriate CTA agreements with MP e.V. to provide the security, even after the Operational Hive-down is implemented also for the duration of the aforementioned business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

NOW THEREFORE, MP e.V. hereby authorizes

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and

13. Christoph Frieling, born on September 16, 1977

all with business address:  
c/o MERCK KGaA, Darmstadt, Germany  
Frankfurter Straße 250, 64293 Darmstadt, Germany,

(the **Representatives**),

each separately and independently of each other, to enter into the following contracts in the name of MP e.V.:

1. CTA-trust agreement between the OpCos, represented by KGaA, and MP e.V. to continue securing the pension commitments against insolvency as well as
2. Partial transfer agreement concerning transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V.

The Representatives shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representatives' discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representatives, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the powers of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Rando Bruns

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Matthias Bürk

### **Annex 11.8.b**

Asset Transfer Agreement regarding the transfer of trust assets  
by and between HC OpCo, LS OpCo, PM OpCo, and MP e.V.

**Deed No. 64 of the 2018 (S) Deed Register**

**Asset Transfer Agreement  
regarding the transfer of trust assets**

**by and between  
Merck KGaA, Darmstadt, Germany,  
Merck Healthcare Germany GmbH, Darmstadt, Germany,  
Merck Life Science Germany GmbH, Darmstadt, Germany,  
Merck Performance Materials Germany GmbH, Darmstadt, Germany, and  
Merck Pensionstreuhand e.V., Darmstadt, Germany**

Recorded in Darmstadt on this 23rd day of February 2018.

Before me, the undersigned notary public

**Patric Schiweck**

with my registered office situated in Darmstadt, Germany, Friedensplatz 6, appeared today at the office of Merck KGaA, Frankfurter Straße 250, 64271 Darmstadt, Germany, where the notary public appeared upon the request of the parties who appeared before him:

1. Mr. **Frank Seeber**, born on March 11, 1962,  
with business address: Frankfurter Straße 250, 64271 Darmstadt, Germany,  
identified by: German federal identification card (*Bundespersonalausweis*).
2. Mr. **Alexander Werner**, born on November 13, 1967,  
with business address: Frankfurter Straße 250, 64271 Darmstadt, Germany,  
identified by: German federal identification card.
3. Mr. **Andreas Peters**, born on January 18, 1967,  
with business address: Frankfurter Straße 250, 64271 Darmstadt, Germany,  
identified by: German federal identification card.
4. Mrs. **Sonja Hilge**, born on April 25, 1979,  
with business address: Frankfurter Straße 250, 64271 Darmstadt, Germany,  
identified by: German federal identification card.
5. **Dr. Holger Pittroff**, born on January 27, 1973,  
with business address: Frankfurter Straße 250, 64271 Darmstadt, Germany,  
identified by: German federal identification card.

Representations:

1. The person specified in No. 1) is not acting in his own name,  
but - discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164, and based on written power of attorney dated February 14, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annex V1.
2. The person specified in No. 2) is not acting in his own name,  
but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annex V2.2.  
  
Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Healthcare Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 96240, and based on written powers of attorney dated February 15/16, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annexes V2.1.1 and V2.1.2.
3. The person specified in No. 3) is not acting in his own name,  
but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annex V3.2.  
  
Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Life Science Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 93771, and based on written powers of attorney dated February 14/15, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annexes V3.1.1 and V3.1.2.
4. The person specified in No. 4) is not acting in her own name,  
but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annex V4.2.  
Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Performance Materials Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 93768, and based on written powers of attorney dated February 14, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annexes V4.1.1 and V4.1.2.
5. The person specified in No. 5) is not acting in his own name, but - discharged from the restrictions of Sec. 181 *BGB* -  
  
for **Merck Pensionstreuhand e.V.**, with its corporate seat in Darmstadt, Germany, registered in the register of associations (*Vereinsregister*) of the lower court of Darmstadt



under HRB 83075, and based on written powers of attorney dated February 15/19, 2018, the original of which was presented during notarization and a certified copy of which is attached hereto at Annex V5.

The notary public asked the persons who appeared before him whether he or a person associated with him for joint business purposes were or are engaged outside his capacity as notary public in any matter that is a subject matter of this notarization. The persons who appeared before him responded in the negative. Furthermore, the persons who appeared before the notary public declared that they or the parties they represent, respectively, act for their own account in the declarations below.

The persons who appeared before the notary public declared and requested notarization of the following:

# **Asset Transfer Agreement**

**regarding the transfer of trust assets**

by and between

**Merck Kommanditgesellschaft auf Aktien, Darmstadt, Germany**  
Frankfurter Straße 250, 64293 Darmstadt, Germany

- hereinafter referred to as: **KGaA** -

and

**Merck Pensionstreuhand e.V.**  
Frankfurter Str. 250, 64293 Darmstadt, Germany

- hereinafter referred to as: **Trustee** -

**Merck Healthcare Germany GmbH, Darmstadt, Germany**  
Frankfurter Straße 250, 64293 Darmstadt, Germany

- hereinafter referred to as: **HC OpCo** -

**Merck Performance Materials Germany GmbH, Darmstadt, Germany**  
Frankfurter Straße 250, 64293 Darmstadt, Germany

- hereinafter referred to as: **PM OpCo** -

**Merck Life Science Germany GmbH, Darmstadt, Germany**  
Frankfurter Straße 250, 64293 Darmstadt, Germany

- hereinafter referred to as: **LS OpCo** -

- collectively: the **Parties** -

## Preamble

1. For the purpose of securing corporate pension benefits, KGaA and the Trustee have entered into a Trust Agreement dated November 29, 2011 (hereinafter referred to as "**KGaA TA**").
2. As part of the strategic development, the operating activities of the Healthcare, Life Science, and Performance Materials Business Sectors and the associated assets and liabilities (hereinafter individually referred to individually as an "**Operating Unit**" or collectively as "**Operating Units**") within KGaA shall be hived down by way of a hive-down by absorption pursuant to Sec. 123 (3) No. 1 German Reorganization Act (*Umwandlungsgesetz – UmwG*) to HC OpCo, PM OpCo, and LS OpCo (hereinafter individually referred to as "**OpCo**" or collectively as "**OpCos**") based on a hive-down Agreement by and between KGaA and HC OpCo / LS OpCo and PM OpCo (hereinafter referred to as "**Operational Hive-down Agreement**") (the transaction hereinafter referred to as "**Operational Hive-down**"). The hive-down shall be completed upon its registration in the commercial register of KGaA (hereinafter "**Legal Effective Date**"). The effective date of the hive-down is January 1, 2018, 0:00 hours (hereinafter "**Economic Effective Date**"). The closing balance effective date as defined in Sec. 125 s. 1, Sec. 17 (2) *UmwG* is December 31, 2017, 24:00 hours (hereinafter referred to as "**Closing Balance Effective Date**"). The Operational Hive-down shall, *inter alia*, ensure more efficient management of the Operating Units by means of a business sector-related Enterprise Resource Planning System (hereinafter referred to as "**ERP system**").
3. The Operational Hive-down results, *inter alia*, in the employment relationships of the active employees attributed to the respective Operating Units being transferred as specified in the Operational Hive-down Agreement from KGaA to the respective OpCo ("**Transitioning Employees**"). In addition, pursuant to the Operational Hive-down Agreement, the legal relationships with the former KGaA Employees are hived down as well in the course of the Operational Hive-down between KGaA and the OpCos to the extent that their departure occurs during the period after the Closing Balance Effective Date and before the Legal Effective Date ("**Former Employees**"). The Transitioning Employees and the Former Employees form the group of secured employees (hereinafter "**Secured Employees**"). The Secured Employees have claims for corporate pension benefits which are transferred to the respective OpCos in the course of the Operational Hive-down.
4. Since the technical requirements for introducing the (business sector-specific) ERP systems currently do not exist at the OpCos - the introduction is planned for the period from early 2019 to 2020, depending on the business sector - it is intended that the business activities hived down to the OpCos be temporarily leased back to KGaA until the introduction of the ERP systems in the respective OpCo ("**Business Lease**"). The Business Lease shall become effective immediately upon the Operational Hive-down becoming effective. Notwithstanding the aforesaid, the Business Lease shall become effective with retroactive economic effect as of January 1, 2018, 0:00 hours (hereinafter "**Beginning Of The Lease**"). The Business Lease results in the Transitioning Employees being retransferred to KGaA; in some cases, employment contracts are retransferred to KGaA as well based on individual agreements. The plan for the Business Lease is that the respective OpCo assumes joint liability in respect of the claims of the Transitioning Employees for corporate pension benefits in the form of a direct commitment (hereinafter "**Secured Direct Commitments**") and agrees with KGaA to assume performance in full (hereinafter "**Assumption Of Joint Liability**"). The Assumption Of Joint Liability results in the economic obligations from the Secured Direct Commitments of the Transitioning Employees remaining with the respective OpCo as of the Beginning of the Business Lease despite the Business Lease and the respective OpCo being obliged to recognize this (contingent) liability on its balance sheet. With the introduction of the respective final business sector-specific ERP system, the Business Lease is terminated with regard to

the OpCo concerned, and management of the operation is transferred to the OpCo completely and permanently (as retransfer of the leased item). The claims and entitlements which the Secured Employees have already accrued from the corporate pension commitments are currently secured by the KGaA TA and shall be continued as of the Legal Effective Date by an independent trust agreement to be concluded each by the OpCos and the Trustee and the Employee Trustee (hereinafter individually referred to for each OpCo as "**OpCo TA**"). The OpCo TA is attached hereto as **Annex 1**. Its content corresponds to the KGaA TA and meets the requirement of an Equivalent Security as defined in § 11 (7) of the KGaA TA.

5. Pursuant to this Agreement, the trust assets attributable on a pro rata basis to the Secured Employees (hereinafter referred to as "**Trust Assets To Be Transferred**") are transferred to the respective OpCo in such manner that they are contributed to the respective OpCo TA entered into by and between the Trustee and the respective OpCo (hereinafter referred to as "**Transfer**"). Thus, at the same time, beneficial ownership in the prorated trust assets is contributed to the respective OpCo. The Parties agree that the Transfer of the prorated trust assets between KGaA and the OpCos shall occur with retroactive economic effect as of the Economic Effective Date. However, in order to avoid any multiple transfer of the trust assets (also between the OpCos) required as a result, beneficial ownership shall be transferred directly between KGaA and the OpCo to which the Secured Employees are each attributable at the Legal Effective Date ("fast-track transfer"). In addition, KGaA and the OpCos have set forth a compensation mechanism in the Operational Hive-down Agreement according to which KGaA and the OpCos put themselves in the position economically as if the Transfer had been based on the situation at the Closing Balance Effective Date. This compensation mechanism shall remain unaffected.
6. The Transfer shall be completed based on the requirements set forth in § 11 of the KGaA TA, with HC OpCo / LS OpCo / PM OpCo being subject to this Agreement as an agreement separate for each of the respective OpCos.
7. Now therefore, the Parties agree as follows:

## § 1

### Transfer of prorated Trust Assets

1. KGaA and the Trustee, as well as the OpCos, agree that, at the Legal Effective Date, the trust assets attributable on a pro rata basis to the Secured Employees shall be transferred to the Trustee pursuant to the KGaA TA for the purpose of establishing an Equivalent Security as defined in § 11 (2), (6), (7) of the KGaA TA as Trust Assets under the Merck OpCo TA.
2. For this purpose, KGaA shall determine the portion of the Trust Assets To Be Transferred under the KGaA TA in such manner that the percentage of the secured claims is determined based on the ratio of such claims and the total secured claims under the KGaA TA (hereinafter "**Distribution Key**"). The Valuation Date shall equal the Legal Effective Date. The total secured claims shall be determined pursuant to § 11 (4) in context with § 5 (1) of the KGaA TA in such manner that a calculation is based both on IFRS and HGB and the higher of the two values is the applicable value.

The Parties assume that the final Distribution Key cannot be determined directly as of the Legal Effective Date, but rather within a period of 30 calendar days of the Legal Effective Date.

3. The Distribution Key shall then be applied by KGaA on the trust assets existing at the Legal Effective Date as per the KGaA TA with the result that the portion of the trust assets under the KGaA TA is transferred to the Merck OpCo TA based on the Distribution Key. The calculation of the value of the trust assets shall be based on the fair value under IFRS as at the Legal Effective Date as specified in § 11 (4) of the KGaA TA. The amount to be transferred shall be reviewed and substantiated by way of a certified auditor's opinion pursuant to § 11 (5) of the KGaA TA by the auditor who grants the auditor's opinion on the financial statements of KGaA.

The Trust Assets To Be Transferred are transferred in such manner that the Trust Assets To Be Transferred are reposted by the Trustee from the escrow/securities account of KGaA to the corresponding escrow/securities account of the OpCo as plan assets under the respective Merck OpCo TA with the result that the Trustee retains legal ownership and the OpCo obtains beneficial ownership in the Trust Assets To Be Transferred by KGaA.

For this purpose, KGaA hereby assigns its rights in the Trust Assets To Be Transferred to the OpCo with effect as of the Legal Effective Date; the OpCo accepts the assignment with the proviso that rights in the Trust Assets To Be Transferred by KGaA are contributed directly as Trust Assets under the OpCo Trust Agreement with effect as of the Legal Effective Date. The Trustee hereby accepts this fiduciary transfer of the Trust Assets To Be Transferred as trust assets under the Merck OpCo TA.

The reposting of trust assets to settle the claim for transfer of the Trust Assets To Be Transferred, which is assigned and contributed to the Merck OpCo TA with effect as of the Legal Effective Date, shall occur upon determination of the Distribution Key pursuant to para. (2), no later than within 40 days of the Legal Effective Date.

4. To the extent that Secured Employees are assigned to HC OpCo / PM OpCo / LS OpCo under a three-party agreement, the provisions regarding the assessment and the transfer of the trust assets attributable to them under these agreements, in particular the calculation pursuant to § 1 (2), shall apply *mutatis mutandis*.

## **§ 2**

### **Final provisions**

1. Any modifications of this Agreement shall not become effective unless they are in writing. The same shall apply to any waiver or modification of this para. (1).
2. All agreed-upon compensations and compensating services shall be net amounts. To the extent owed by the service provider under the applicable laws, value-added tax shall be paid in addition to the agreed-upon fees upon receipt of a proper invoice as specified in the German Value-Added Tax Act.
3. Insofar as the OpCos are subject to obligations to inform and cooperate with the Trustee as a result of the performance of the OpCo TA, KGaA shall provide assistance and, if any, necessary information, in particular data relating to employees employed by KGaA in the course of the Business Lease, for the purpose of performing the OpCo TA and within the legally permissible scope.
4. The effectiveness of this Agreement shall be subject to the condition precedent that the Operational Hive-down is registered in the commercial register of KGaA.
5. If individual provisions herein are or become void or invalid, the remaining provisions herein shall remain unaffected. The void or invalid provisions shall be deemed replaced by such effective provision coming as close as possible to the content of the void or invalid provision, taking into account the Parties' intentions. The same applies to any omissions in the Agreement. In the event of void or invalid provisions relating to deadlines or periods, those deadlines or time periods shall be deemed to be agreed which, depending on the intent of the Parties, shall be at least or at most compatible with mandatory law.
6. Any economic compensation provisions beyond these provisions by and between the OpCos and KGaA as well as by and between the OpCos, in particular under the Operational Hive-down Agreement between KGaA and the OpCos, shall remain unaffected.
7. This Agreement shall be governed by German law.

Of this Deed,

- each Party shall receive a certified copy.

Any and all costs relating to this Deed and its execution shall be borne by Merck KGaA, Darmstadt, Germany.

This transcript was read aloud to the persons who appeared before the notary public, including Annex 1, approved by them, and personally signed by them and the notary public as follows:

[Signatures]

**Trust Agreement**

**by and between**

Merck Healthcare Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64271 Darmstadt

- hereinafter referred to as "**HC OpCo**" -,

Merck Life Science Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64271 Darmstadt

- hereinafter referred to as "**LS OpCo**" -,

Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64271 Darmstadt

- hereinafter referred to as "**PM OpCo**" -,

each represented by

Merck KGaA, Darmstadt, Germany  
Frankfurter Straße 250  
64271 Darmstadt

- hereinafter referred to as "**KGaA**" -

**and**

Merck Pensionstreuhand e.V., Darmstadt, Germany, Frankfurter Str. 250, 64293 Darmstadt, Germany

**- Trustee -**

in favor of the Beneficiaries defined below as third-party Beneficiaries within the meaning of Sec. 328 (1) of the German Civil Code (hereinafter referred to as "**BGB**")



## Preamble

- (1) Merck KGaA, Darmstadt, Germany, together with its German and foreign subsidiaries (hereinafter referred to as “**Group**”), is a globally operating science and technology company. HC OpCo, LS OpCo, and PM OpCo (hereinafter collectively referred to as “**Companies**” or individually as “**Company**”) are companies of the Group. As part of the Group's strategic development, the operating activities of the Healthcare, Life Science and Performance Materials Business Sectors and the associated assets and liabilities (hereinafter individually referred to as an “**Operating Unit**”) within KGaA at the Darmstadt and Gernsheim sites shall be hived down by way of a hive-down by absorption pursuant to Sec. 123 (3) No. 1 German Reorganization Act (*Umwandlungsgesetz – UmwG*) each to one of the Companies (hereinafter referred to as “**Operational Hive-down**”). The hive-down shall be completed upon its registration in the commercial register of KGaA (hereinafter referred to as “**Legal Effective Date**”). The effective date of the hive-down is January 1, 2018, 0:00 hours (hereinafter referred to as “**Economic Effective Date**”). The closing balance effective date as defined in Sec. 125 s. 1, Sec. 17 (2) *UmwG* is December 31, 2017, 24:00 hours (hereinafter referred to as “**Closing Balance Effective Date**”). The Operational Hive-down shall ensure more efficient management of the business sectors by means of a business sector-related Enterprise Resource Planning System (hereinafter referred to as “**ERP system**”). As a result of the hive-down, the claims resulting from the pension commitments of the transitioning employees shall first be transferred to the Companies; simultaneously, the corresponding plan assets shall be held as of that date based on this Trust Agreement. The introduction of this business sector-specific ERP system is planned for the Healthcare Business Sector in 2019 and for the Business Sectors Life Science and Performance Materials in 2020. Since the technical requirements for introducing the ERP systems do not exist at the Companies at the time of the Operational Hive-down, it is intended that the business activities hived down to the Companies be temporarily leased back to KGaA until the introduction of the ERP systems by the respective Company (hereinafter referred to as “**Business Lease**”) with the result that the employment relationships attributable to the Companies in the course of the Operational Hive-down being retransferred to KGaA by operation of law. The Business Lease shall become effective immediately upon the Operational Hive-down becoming effective. Notwithstanding the aforesaid, the Business Lease shall become effective with retroactive economic effect as of January 1, 2018, 0:00 hours (hereinafter “**Beginning Of The Lease**”). The plan for the Business Lease is that the Companies assume joint liability for their respective Operating Unit in respect of the pension claims defined below and existing due to pension commitments and agree internally with KGaA to assume performance in full (hereinafter “**Assumption Of Joint Liability**”). Assumption Of Joint Liability shall cease if the Companies become the direct debtors of the pension claims from the pension commitments, in particular upon termination of the Business Lease.
- (2) Once the Operational Hive-down becomes effective, the active and former employees of the respective Company, including those employees (i) who are reassigned to KGaA under the Business Lease or employed by KGaA in the respective Operating Unit during the term of the Business Lease and who are secured due to the Assumption Of Joint Liability, and (ii) who are former KGaA employees to the extent that they are transferred to the respective Company under the Operational Hive-down, persons who are entitled to benefits as set forth in Sec. 12 German Pension Compensation Act (*Versorgungsausgleichsgesetz*) with regard to the aforementioned persons and - following the death of the aforementioned persons - their survivors (the aforementioned group of persons hereinafter collectively referred to as “**Beneficiaries**”) shall have claims and entitlements against the Company for corporate pension scheme benefits either directly due to the pension commitment or by way of Assumption Of Joint Liability, for which (excluding netting permitted based on this Agreement) a liability would be disclosed in the consolidated financial statements of KGaA (hereinafter referred to as “**Consolidated Financial Statements**”) in accordance with the International Financial Reporting Standards (hereinafter “**IFRS**”) or for which a provision should be recognized in the financial statements of the respective Company in accordance with the provisions of the German Commercial Code (hereinafter “**HGB**”) or in conjunction with Art. 28 of the German Introductory Act to the Commercial Code (*Einführungsgesetz zu Handelsgesetzbuch*; hereinafter “**EGHGB**”).

These claims and entitlements against KGaA or the Company arising during the Business Lease either directly from the pension commitment or due to the Assumption Of Joint Liability, are hereinafter referred to uniformly as “**Pension Claims**” and take into account the following provisions. The obligations of the Company or KGaA, respectively, resulting from the Pension Claims are referred to uniformly as “**Pension Obligations**”, regardless of whether KGaA or the

Company owes these benefits due to the pension commitment or due to the Assumption Of Joint Liability.

The Pension Obligations include those obligations transferred to the Companies in the course of the Operational Hive-down.

The Pension Claims do not include such claims or entitlements to the provision of corporate pension scheme benefits for which, in accordance with the underlying pension commitment, a legal claim against a pension fund within the meaning of Sec. 112 German Insurance Supervision Act (*Versicherungsaufsichtsgesetz*; hereinafter "**VAG**") or against a pension fund within the meaning of Sec. 118a VAG was established as a pension provider or a legal claim under a direct insurance against an insurance company.

Neither do the Pension Claims include such claims or entitlements to the provision of corporate pension scheme benefits for which the respective company is only jointly liable as a former employer pursuant to Sec. 613a (2) *BGB* after a transfer of undertaking or for which the respective Company is still jointly and severally liable as a transferring company, i.e., not simultaneously due to the Assumption Of Joint Liability, under the provisions of the German Reorganization Act (hereinafter "**UmwG**") following reorganization measures. Furthermore, claims and entitlements established by pension commitments against the respective Company only as a result of a transfer of undertaking (with the respective Company as the transferee) or of a measure taken after the closing of this Agreement in accordance with the *UmwG* (with the respective Company as the receiving entity) are subject to this Agreement only to the extent that the respective Company provides a corresponding unilateral written declaration to the Trustee. The respective Company shall issue a corresponding unilateral written declaration for the employees transferring from KGaA to the Company upon termination of the respective Business Lease.

Not included in the Pension Claims are other claims and entitlements for the provision of corporate pension scheme benefits to the extent that they are secured against insolvency by the respective Company under private law - except for those secured by this Agreement or the Pension Security Association (*Pensions-Sicherungs-Verein VVaG*; hereinafter "**PSV**") (e.g., through pledged reinsurance, etc.) or due to the Assumption Of Joint Liability.

Beneficiaries, who acquire claims or entitlements to the provision of corporate pension scheme benefits against the respective Company after the conclusion of this Agreement, are included in this Agreement without further ado in so far as the claims and entitlements qualify as Pension Claims within the meaning of the above provisions and to the extent that the respective Company has not exercised its right under § 15 (1) of this Agreement.

- (3) The respective Company intends to secure the Pension Claims against insolvency by means of an external reinsurance in the scope specified in detail by this Agreement. This shall be done by a fiduciary transfer of the corresponding (proportionate) external financing (hereinafter referred to as the dedication of assets and their benefits and surrogates to settle (pro rata) Pension Claims Pension Claims) and securing required assets to a legally independent third party (Trustee).
- (4) Upon closing of the trust agreement and the transfer of the assets in accordance with this Agreement, the respective Company intends to ensure that Pension Claims are settled (on a pro rata basis) in accordance with the provisions of this Agreement even in the event that
  - a) an application for the initiation of insolvency proceedings has been filed against the assets of the respective Company and the insolvency court has subsequently imposed security measures in accordance with Sec. 21 et seq. German Insolvency Code (*InsO*); or
  - b) insolvency proceedings pursuant to Sec. 27 *InsO* are initiated in respect of the assets of the respective Company or the application for initiation of insolvency proceedings is rejected due to lack of assets, without security measures being imposed pursuant to Sec. 21 et seq. *InsO* following the application for the initiation of proceedings; or
  - c) an out-of-court settlement (deferment, quota, or liquidation settlement) is agreed upon between the respective Company and its creditors with the consent of PSV to avert insolvency proceedings; or
  - d) the operation of the respective Company ceases completely, an application for initiating insolvency proceedings has not been filed, and insolvency proceedings are not considered due to the lack of assets.

Each of these cases is hereinafter referred to as an **“Insured Event.”** In addition to the provisions in para. (1), only such entitlements and/or entitlements to the provision of corporate pension scheme benefits are deemed to be Pension Claims within the meaning of this Agreement accrued in the Insured Event cases specified in lit (c) and (d) or until the initiation of insolvency proceedings in respect of the assets of the respective Company or until the application for the initiation of insolvency proceedings has been rejected for lack of assets. Any subsequently accrued claims or entitlements to corporate pension scheme benefits (including any adjustments or claims for adjustment pursuant to Sec. 16 of the German Company Pensions Act (*BetrAVG*)) shall not constitute Pension Claims within the meaning of this Agreement. For the purpose of the provisions relating to the Insured Event, in particular the provisions in this para. (4) as well as for § 1 (3) and § 7 (2), KGaA shall replace the respective Company for the duration and within the scope of the Assumption Of Joint Liability vis-à-vis the employees for any Pension Claims against KGaA.

- (5) The Beneficiaries' rights established for the first time by this Trust Agreement arise from the beginning only within the scope provided for by this Trust Agreement and only subject to the restrictions or subsequent options for structuring or modification options provided for in this Trust Agreement.
- (6) In addition, as a result of the fiduciary transfer of the assets necessary for reinsurance and securing of the Pension Claims to the Trustee, the respective line items may be offset pursuant to Sec. 246 (2) s. 2 *HGB* in the financial statements of the Company compiled in accordance with *HGB*. In addition, as a result of the fiduciary transfer of assets necessary for reinsurance and securing of the Pension Claims to the Trustee, it should also be possible to offset the liability to be recognized for the Pension Claims against the assets covering and separating the Pension Obligations (plan assets) in the Consolidated Financial Statements compiled in accordance with IFRS.
- (7) This Agreement is deemed to be a separate agreement for each of the Companies.  
NOW THEREFORE, the Parties agree as follows:

## § 1 Subject of the Agreement

- (1) The subject of this Agreement is the external (where appropriate prorated) financing and securing of Pension Claims and, in the case of an Insured Event, the satisfaction (where appropriate on a pro rata basis) of Pension Claims existing at that time.
- (2) This Agreement establishes an administrative trust between the Company and the Trustee as set forth in § 3 of this Agreement as well as a Securing Trust between the Trustee and the Beneficiaries as specified in § 4 of this Agreement (Double Trust).
- (3) Initially, this Agreement secures those Pension Claims that are due between the filing date of an application to initiate insolvency proceedings in respect of the assets of the Company on the one hand and the initiation of insolvency proceedings or the rejection of the initiation of insolvency proceedings on the other hand, and irrespective of whether these Pension Claims are also subject to statutory insolvency insurance by PSV. The following shall apply with respect to Pension Claims that are due upon the initiation of insolvency proceedings or after the rejection of the initiation of the insolvency proceedings for lack of assets or after the occurrence of one of the other Insured Events: Those Pension Claims and/or those portions of Pension Claims not secured against insolvency by PSV under statutory regulations are primarily secured. Secured on a subordinated basis are those Pension Claims and/or those portions of Pension Claims that are secured against insolvency proceedings by PSV under statutory regulations. The ranking described in this paragraph is hereinafter referred to as the **“Securing Ranking”**. The scope and nature of the insurance is based on the detailed provisions of this Agreement; the legal consequences of the various insurance rankings of the Pension Claims already due in the insolvency proceedings, the Pension Claims not secured by PSV, and the Pension Claims secured by PSV with respect to settling Pension Claims in the Insured Event are in particular based on the provision in § 7 of this Agreement. The provisions of § 3 (8) and (9), § 3a, § 11, § 15 (1), and § 16 of this Agreement shall remain unaffected by the Securing Ranking of an Insured Event.
- (4) Third-party beneficiaries as per Sec. 328 (1) *BGB* under this Agreement are the Beneficiaries.

## § 2 Trust Assets

- (1) The Trustee maintains a securities account held in its name as an open escrow securities account and a corresponding current account or settlement account managed as an open escrow account with a German bank pursuant Sec. 1 (1) KWG or a German financial services institution as defined in Sec. 1 (1a) KWG of their choice. The Trustee may also open several escrow securities accounts and escrow accounts. Furthermore, the Trustee may also use several credit institutions or financial services institutions or a suitable third party or several suitable third parties. The escrow securities account and the escrow account (or the escrow securities accounts and the escrow accounts, respectively) carry an addition that indicates the fiduciary earmarking. The values posted in the aforementioned securities account and on the current account or settlement account (or securities accounts and current or settlement accounts, respectively) and any other assets or their surrogates transferred to the Trustee by the Company for the purpose of fiduciary management and to secure Pension Claims under this Agreement constitute legal assets held by the Trustee with which the Trustee shall proceed in accordance with the provisions set forth below (hereinafter referred to as "**Trust Assets**"). The Trust Assets include the beneficial use and benefits drawn by the Trustee from the Trust Assets, which are to be transferred to the securities account if feasible or credited to the current account or settlement account.
- (2) German and foreign taxes and levies (in particular withholding tax and solidarity surcharge) incurred prior to the Insured Event on income from the Trust Assets shall not be compensated or reimbursed between the Company and the Trustee unless the Company agrees to reimburse such amounts to the Trustee in a separate agreement. Any claims of the Trustee for reimbursement for Trust Assets under this paragraph may be offset against claims of the Company pursuant to § 3 (8) of this Agreement. There is no obligation on the part of the Trustee to enforce any claims against the Company under this paragraph.

## § 3 Administrative trust

- (1) The Company shall either transfer to the Trustee monetary amounts to the current or settlement account mentioned in § 2 of this Agreement or other assets to be used to finance and secure the Pension Claims (where appropriate, on a pro rata basis). Only such assets may be transferred to the Trustee the transfer of which is consistent with the provisions of the Investment Guidelines attached as **Annex 1** and established by the Company. The Company shall decide at its own discretion on the quantity of assets transferred to the Trustee.
- (2) The Trustee shall commission an investment management company (hereinafter referred to as "**KAG**") as defined by Sec. 6 InvG or a financial services institution as defined by Sec. 1 (1a) KWG (hereinafter referred to as the "**Financial Services Institution**") to manage and invest the Trust Assets; such engagement shall be subject to a separate investment management agreement to be concluded (including any other agreements to be concluded in this connection) if economically reasonable and feasible. The Trustee may also commission several KAGs or Financial Services Institutions. In such case, the Trust Assets shall be managed and invested by a KAG or a Financial Services Institution on behalf and for the account of the Trustee. The asset management contracts to be entered into with a KAG or a Financial Services Institution shall grant the Trustee the right to terminate the contract, giving notice not to exceed three months as per the end of the quarter. An Investment Committee shall be established to determine the specific investment policy with respect to an asset managed by the KAG or the Financial Services Institution. Such Investment Committee decides on the requirements for the investment of assets under the Investment Guidelines (Annex 1). The composition of the Investment Committee and its resolutions are governed by the Investment Guidelines (Annex 1) described above.
- (3) As an alternative to the provision in para. (2), the Trustee may appoint a suitable third party to administer and invest the Trust Assets under a separate agreement and in accordance with the provisions of the Investment Guidelines (Annex 1). Any management and investment of the Trust Assets by an appropriate third party shall be in the name and for the account of the Trustee. The asset management contracts to be entered into with a suitable third party shall grant the Trustee the right to terminate the contract, giving notice not to exceed three months as per the end of the quarter.

Alternatively, the Trustee may also manage and invest the Trust Assets in accordance with the

Investment Guidelines (Annex 1).

- (4) The Investment Guidelines (Annex 1) may be amended in accordance with the procedure specified in the Investment Guidelines. The Investment Guidelines must not contradict the provisions of this Agreement. In the event of any contradiction, the Investment Guidelines shall be adjusted accordingly. In this case, the provisions of this Agreement take precedence over the provisions in the Investment Guidelines.
- (5) On the last banking day of each quarter, the Trustee shall invoice the Company for the change and fair value of the Trust Assets. With regard to the portion of the Trust Assets managed by the KAG or a Financial Services Institution, billing shall be by submitting escrow securities account and escrow account statements managed on behalf of the Trustee. If the Trust Assets are not managed by the KAG or a Financial Services Institution, the accounting shall be in accordance with a separate agreement between the Company and the Trustee.
- (6) The Trust Assets shall be managed and held separately from other assets managed by the Trustee, by an appropriate third party as per para. (3), by a KAG, or a Financial Services Institution. If the Trust Assets are managed by a KAG, the latter shall set up one or more special-purpose assets within the meaning of Sec. 2 (2) *InvG*. Securities managed by a Financial Services Institution, a suitable third party, or the Trustee shall be held separately pursuant Sec. 2 *DepotG*.
- (7) Upon termination of this Agreement prior to the occurrence of the Insured Event, the Trustee is obligated to deal with the Trust Assets available at that time in accordance with the provisions in § 14 of this Agreement. In case of an Insured Event, the Trust Assets shall be treated in accordance with the provisions in § 7 of this Agreement.
- (8) As long as the Agreement has not been terminated and no Insured Event has occurred, the Company may request reimbursement by the Trustee from the Trust Assets if it has provided services to settle Pension Claims secured by this Agreement. This also includes the settlement of reimbursement payments that the Company has made to third parties, in particular KGaA due to the Assumption Of Joint Liability, if the third party has provided services to settle the Pension Claims. This also applies if the value of the Trust Assets is less than the present value of the Pension Claims secured by this Agreement. The reimbursement shall be made at the request of the Company at the end of each financial year if the Company notifies the Trustee in writing that it has settled certain Pension Claims.

In addition, monthly reimbursement payments may be made during the year. The basis for the reimbursement is that the Company informs the Trustee in writing (i) of the amount in which they will each provide services to settle the Pension Claims secured by this Agreement and such amount shall be reimbursed in each case during the year in arrears; and (ii) of the extent to which they will provide services in the respective previous month to settle the Pension Claims secured by this Agreement. This also includes the settlement of reimbursement payments made by the Company to third parties, in particular KGaA, if the third party has provided services to settle the Pension Claims. No reimbursement shall be made if the Trustee learns about the non-settlement of secured Pension Claims the settlement of which has been announced by the Company. In any case, reimbursement shall be made after the service is rendered, i.e., in arrears.

If a claim for reimbursement is not asserted, it lapses three months after the end of the financial year in which the service was provided to settle a pension claim. The Company may waive, as a whole or in part, any existing or future reimbursement claim by way of a unilateral written declaration to the Trustee. The Trustee is under no obligation to verify the accuracy of the information provided by the Company. However, in the event that information provided by the Company is clearly implausible, the Trustee shall request the Company to furnish further proof. As long as the Agreement has not been terminated and no Insured Event has occurred, the Company may agree with the Trustee (by mutual agreement) to satisfy Pension Claims due directly from the Trust Assets. Any performance obligation on the part of the Trustee arising from the provisions set out in the preceding sentences shall be limited to the Trust Assets existing at the respective point in time.

- (9) Regardless of the case (reimbursement) provided for in para. (8), the Company may require the Trustee to retransfer Trust Assets if the Company provides evidence in the form of an expert opinion prepared by the public accountant auditing the Company's financial statements to the

effect that within the meaning of the applicable regulations of the HGB or IFRS (if these regulations apply to the Consolidated Financial Statements) it is permanently ensured that all Pension Obligations under this Agreement can be settled with the remaining Trust Assets. § 3 b (3) of the Agreement shall remain unaffected. The Trustee is under no obligation to conduct their own audit.

- (10) The administrative trust existing between the Company and the Trustee and specified in § 3 of this Agreement shall expire upon the occurrence of the Insured Event. This shall not affect this Agreement, in particular the other rights and obligations of the Trustee and the Company under this Agreement, which are not governed by this § 3 herein.

### **§ 3 a**

#### **Transfer of Pension Obligations to a pension fund**

- (1) Irrespective of the transfer of Pension Obligations to a pension fund upon any termination of this Agreement pursuant to § 14 (6) of this Agreement, the Company shall also have the right to transfer Pension Obligations to a pension fund as specified in Sec. 112 VAG during the term of this Agreement. The Pension Obligations shall be transferred to the extent that the respective Beneficiaries are awarded their own entitlement to benefits against the pension fund pursuant to Sec. 112 (1) s. 1 (3) VAG.
- (2) In the event of a transfer of Pension Obligations to a pension fund as referred to in para. (1), the Company may, as long as no Insured Event has occurred, request the Trustee to reimburse expenses incurred in full from the Trust Assets (i.e., all payments to the pension fund in connection with the transfer of the respective Pension Obligations) if the payments of the Company to the pension fund have been made in agreement with the Trustee. The claim for reimbursement of expenses also presupposes that no more than three months have elapsed between the Company's payment to the pension fund and the assertion of the reimbursement claim by the Company. The Company may waive all or part of an existing expense compensation claim by way of a unilateral written declaration to the Trustee. In lieu of the reimbursement of expenses set forth in the preceding sentences, the Company may also require the Trustee to provide direct Trust Assets to finance the transfer of Pension Obligations to a pension fund. Any performance obligation on the part of the Trustee arising from the provisions set out in the preceding sentences shall be limited to the Trust Assets existing at the respective point in time. If the Company incurs expenses for the transfer of obligations arising from claims and entitlements to corporate pension scheme benefits that are not secured by this Agreement, the Company cannot claim reimbursement of expenses from the Trust Assets.
- (3) If, following a transfer of Pension Obligations to a pension fund in accordance with the provisions in the preceding paragraphs, an additional funding obligation arises for the Company against the respective pension fund with regard to the transferred Pension Obligations which previously were secured under this Agreement, the Company may require the Trustee to make available the amount required to meet the additional funding obligation from the Trust Assets. Should the Company meet the additional funding obligation without the Trustee providing the required amount, the Company may demand reimbursement of expenses from the Trust Assets for the amount used to meet the additional funding obligation if meeting the additional funding obligation by the Company is as agreed upon with the Trustee and if the time elapsed between meeting the additional funding obligation by the Company and assertion of the claim to the reimbursement of expenses by the Company does not exceed three months. The Company may waive the claim in full or in part by way of a unilateral written declaration to the Trustee. Any performance obligation on the part of the Trustee arising from the provisions set out in the preceding sentences shall be limited to the Trust Assets existing at the respective point in time.
- (4) The Company may also assert its claims in the full amount under para. (2) and (3) above if the value of the Trust Assets is less than the present value of the Pension Claims secured by this Agreement.

### **§ 3 b**

#### **Integration of pension fund provisions and trust security**

- (1) The Company and the Trustee agree that in the event of a transfer of Pension Obligations to a pension fund pursuant to § 3 a of this Agreement, the corporate pension benefits which the Company commits to shall be provided by the pension fund in its own name for the Company in

accordance with the respective pension plans. Should there be an excess coverage allowing for a (re)transfer of assets of the pension fund to the Company, taking into account the relevant pension plans and the provisions of the German Insurance Supervision Act, the company is obligated to ensure that the pension fund transfers the assets to be released directly to the Trustee for the account of the Company for the purpose of financing and securing the Pension Claims secured under this Agreement. The Company is obligated to take the necessary measures to ensure that the pension fund releases assets only within the above limits. The Trustee is obligated to receive the assets released by the pension fund based on the above limits and to transfer them to the Trust Assets as long as this is in compliance with the Investment Guidelines attached as Annex 1.

- (2) The Company and the Trustee agree that the provisions in para. (1) shall also apply *mutatis mutandis* in the event of the dissolution of a pension fund to which Pension Obligations have been transferred in accordance with § 3 a of this Agreement.
- (3) If the Company has transferred Pension Obligations to a pension fund in accordance with § 3 a of this Agreement, the Trust Assets may only be retransferred to the Company in accordance with § 3 (9) of this Agreement if the Company has obtained an opinion from the auditor auditing the financial statements of the Company which proves to the Trustee that the relevant regulations of the HGB or IFRS ensure on a sustained basis that the Trust Assets remaining with the Trustee not only satisfy the Pension Obligations secured by this Agreement, but that the pension fund also has sufficient assets in order to be able to meet the Pension Obligations assigned to it on a permanent basis. To this extent, the Trustee is under no obligation to conduct their own audit. Any claim of the Company for the retransfer of Trust Assets shall therefore be excluded in particular as long as the pension fund to which Pension Obligations have been transferred in accordance with § 3 a of this Agreement lacks assets as defined in Sec. 115 (2a) and (2b) VAG. The Company may request that the Trustee transfer the Trust Assets that are not required to cover the Pension Obligations secured by this Agreement to the pension fund so that the latter may permanently settle the Pension Obligations transferred to it as specified in § 3a of this Agreement.

#### § 4

#### **Genuine contract in favor of third parties; Securing Trust; Claims in case of an Insured Event**

- (1) The Trustee shall hold the Trust Assets not only as an administrative trustee of the Company based on the provisions in § 3 of this Agreement, but at the same time as a securing trustee of each Beneficiary in accordance with the more detailed provisions of this Agreement. The Securing Trust is established by way of this Agreement, which thus represents a genuine contract for the benefit of third parties within the meaning of Sec. 328 (1) *BGB (Vertrag zugunsten Dritter)* and does not depend on the existence of the administrative trust pursuant to § 3 of this Agreement. The Securing Trust is established immediately upon conclusion of this Agreement and may not be terminated without the written consent of the respective Beneficiaries unless such termination is in accordance with the provisions of this Agreement. Under the Securing Trust, any Beneficiary authorized to enter into this Agreement has the right to require the Trustee to act in the interest of securing the Pension Claims in accordance with the provisions of this Agreement. In case of an Insured Event, each Beneficiary may directly require the Trustee to satisfy their Pension Claims against the Company from the Trust Assets, taking into account the Securing Ranking and complying with the more detailed provisions in § 7 of this Agreement. The performance obligation of the Trustee in case of an Insured Event shall be limited to the Trust Assets existing at the respective point in time.
- (2) In case of an Insured Event, the Trustee is obligated to first fulfill its obligations under § 7 of this Agreement before satisfying any claims of the Company under this Agreement, including any retransfer or repurchase entitlements of the Company for unjust enrichment or under insolvency law or other statutory provisions. A full or partial retransfer of the Trust Assets to the Company before or after the occurrence of the Insured Event shall be limited to the cases expressly specified in this Agreement.
- (3) The Company's right to require the Trustee to disburse benefits to the Beneficiaries pursuant to § 7 of this Agreement in case of an Insured Event shall remain unaffected by the independent benefit entitlement of the Beneficiaries in case of an Insured Event (Sec. 335 *BGB*).

- (4) It is the contractual basis for the Contracting Parties that the Securing Trust in favor of the Beneficiaries shall continue until all Pension Claims are fully settled or the Pension Claims are secured by agreeing on another Equivalent Security under this Agreement as specified in § 11 (7) of this Agreement or until the Trustee has utilized the Trust Assets in full in accordance with the provisions of this Agreement and no longer holds any Trust Assets. The Securing Trust shall continue in case of an Insured Event regardless of the fact that the administrative trust between the Company and the Trustee has expired. Should this Agreement be terminated in a legally effective manner before all Pension Claims have been settled in full, the preceding para. (1) to (3) and the provisions in § 14 of this Agreement shall apply *mutatis mutandis* to each retransfer claim of the Company resulting from such termination or cancellation.

## § 5

### Calculation of the Obligation Value relating to the Pension Claims to be secured

- (1) Once a year as at December 31 of each preceding year ("**Valuation Date**"), the Obligation Value of all Pension Claims to be secured shall be determined by an actuarial expert commissioned by the Company (hereinafter "**Actuary**"). For the purpose of this Agreement, the "**Obligation Value**" shall be the respective defined benefit obligation ("**DBO**") for each Beneficiary, if the DBO under IFRS for all existing Pension Claims at the Valuation Date exceeds the pension provision under HGB for all Pension Claims at the Valuation Date ("**pension provision according to HGB**" in this context shall mean the pension provision to be recorded according to the regulations of the HGB assuming full exercise of all asset recognition options pursuant to Sec. 28 *EGHGB*, the amount according to Sec. 253 *HGB* including discounting, but not taking into account netting pursuant to Sec. 246 (2) *HGB* and not taking into account the transitional provisions under Article 67 *EGHGB*); otherwise, the Obligation Value shall equal the respective pension provision according to HGB for each entitled Beneficiaries.

The service agreement with the Actuary (existing or to be concluded) shall require the Actuary to immediately notify the Trustee in addition to the Company once the Obligation Value of the Pension Claims has been determined. The calculation method for calculating the Obligation Value stipulated in the agreement entered into or to be entered into by the Company and the Actuary must comply with the accepted rules of actuarial mathematics and the applicable accounting principles. The calculation method may be adjusted based on the most recent version of the accepted rules of actuarial mathematics and the applicable accounting principles by amending the service agreement.

- (2) If Pension Claims arising in the future are (in whole or in part) excluded from the scope of the Agreement by way of unilateral declaration by the Company pursuant to § 15 (1) of this Agreement, such claims shall not be taken into account when calculating the Obligation Value of the Pension Claims to be secured.

## § 6

### Data transfer

- (1) Upon conclusion of this Agreement, and thereafter annually at the Valuation Date, the Company shall submit to the Trustee a record containing all data and information required by the Trustee to meet its obligations under this Agreement. These data and information include, in particular, an up-to-date list of Beneficiaries (including employee ID numbers, name, and date of birth) and information on the applicable pension regulations or individual contractual agreements on the basis of which the Beneficiaries are entitled to Pension Claims secured by this Agreement. The data shall be transferred in a paperless manner unless the Trustee exceptionally requires the paper-based transfer in writing. Instead of the regular transmission of the above-mentioned data and information, it is also sufficient to provide the Trustee with access to the corresponding database if this ensures that the Trustee has access to the required up-to-date data at all times, in particular in case of the occurrence of an Insured Event.
- (2) Insofar as the Company or the Trustee are required under this Agreement to collect, process, prepare or transfer data, they each shall have the right to commission a service provider with the fulfillment of this obligation. In this case, the respective client of the service provider must ensure that the obligations incumbent on it under this Agreement (including those under § 12 and § 13 of this Agreement) are fulfilled. Service providers of the Company and the Trustee may be identical.



## § 7

**Rights and settlement in case of an Insured Event**

- (1) Upon occurrence of an Insured Event as specified under para. (4) lit. (a) of the Preamble, the Trustee shall first use the Trust Assets in accordance with the Securing Ranking set out in § 1 (3) of this Agreement in order to settle the Pension Claims due after the occurrence of the Insured Event. If there are no longer sufficient Trust Assets to settle all due Pension Claims at the due date, prorated satisfaction shall be pursued. As of the initiation of insolvency proceedings or the rejection to initiate insolvency proceedings due to the lack of assets, the further processing shall be based exclusively on the following paragraphs. If the initiation of insolvency proceedings is rejected for reasons other than the lack of assets, the Insured Event shall cease to exist and no further settlement shall occur. Disbursements made from the Trust Assets portfolio pursuant to this paragraph shall remain unaffected.
- (2) Upon occurrence of the Insured Event as specified in para. (4) lit. (b) to (d) of the Preamble or in the event of the opening of insolvency proceedings in respect of the Company's assets or in the event of a rejection of the initiation of insolvency proceedings due to the lack of assets after the occurrence of an Insured Event as defined in para. (4) lit (a) of the Preamble (hereinafter "**Final Insured Event**"), the Trustee shall first use the Trust Assets in accordance with the Securing Ranking set out in § 1 (3) of this Agreement to settle the portion of the Pension Claims existing at this time not legally secured against insolvency by PSV. The Trustee shall use the remaining Trust Assets to settle the portion of the Pension Claims existing at this time legally secured against insolvency by PSV. The precise scope and manner of settlement of the Pension Claims are governed by the provisions in the following paragraphs.
- (3) The settlement of the individual Pension Claims after the occurrence of the Final Insured Event is governed by the following provisions: Upon occurrence of the Final Insured Event, the Trustee shall instruct an Actuary as set forth in § 5 (1) of this Agreement to determine the Obligation Value of all Pension Claims existing upon occurrence of the Final Insured Event on the effective date of the Final Insured Event (hereinafter referred to as "**Effective Date**"). The amount of the secured Pension Obligations depends on the applicable collective or individual agreements. This shall also apply to any index-linking of Pension Claims provided for in these collective and individual agreements. Adjustments prescribed by law, in particular adjustments pursuant to Sec. 16 BetrAVG, shall only be taken into account to the extent that they had already been made at the time of the occurrence of the Final Insured Event. The legal regulations, in particular Sec. 16 BetrAVG, shall not apply to the services to be rendered by the Trustee to the Beneficiaries after this date.

Upon occurrence of the Final Insured Event, the Company is obligated to immediately provide the Trustee with all data and information required for the calculation of the Actuary upon the latter's request. If the Company does not fulfill its obligation to provide the data and information within 6 weeks, the calculation by the Actuary shall be based on the most recent record provided to the Trustee pursuant to § 6 of this Agreement. If the Trustee receives the relevant data and information at a later date, they may request a new calculation from the Actuary and use this new calculation as the basis for any further activity.

Based on the calculation of the Actuary, the Trustee shall carry out a mathematical segmentation of the Trust Assets, after deducting any amount required to cover the estimated costs incurred (including the costs and expenses referred to in § 9) and taking into account the Securing Ranking set out in this Agreement, in such manner that a fraction of the Trust Assets is stipulated for each Beneficiary as exclusively covering assets for the respective pension claim (or, if the Trust Assets are insufficient, only for the Beneficiaries with Pension Claims not secured by PSV).

If the Trust Assets, after deduction of the (estimated) settlement costs,

- are sufficient to cover the determined Obligation Value of all Pension Claims, each covering asset corresponds to the respectively determined Obligation Value of the individual claim;
- while sufficient to cover the assessed Obligation Value of the portion of the Pension Claims not secured by the PSV, but not to cover the assessed value of all Pension Claims, the covering asset for the portion of the Pension Claims not secured by PSV corresponds to the respective Obligation Value determined. With regard to the Pension Claims or the portion of

the Pension Claims secured by PSV, a pro rata allocation of the assets shall be made which is still available after the deduction of the covering asset attributable to the Pension Claims not secured by the PSV;

- if insufficient to cover the determined Obligation Value of the portion of the Pension Claims secured by PSV, a pro rata allocation of the asset to this portion of the claims shall be made.

The Trustee shall promptly notify each Beneficiary in writing about the amount of covering asset stipulated for the same. The Trustee shall note that any impairment losses of the Trust Assets (e.g., as a result of the performance of the Trust Assets, taxes and levies payable on the Trust Assets such as capital gains tax and solidarity surcharge or withdrawals from the Trust Assets for reimbursement of - not yet recognized - costs and expenses) as of the Effective Date shall be to the detriment of the respective covering assets, while any appreciation in value shall be in favor of the respective covering assets.

- (4) Without prejudice to the provisions of the following paragraphs, the Trustee shall be obligated to pay each Securing Trust Beneficiary out of the Trust Assets up to the amount of the respective covering asset of the individual Beneficiaries if and to the extent their Pension Claims are due. At each due date, a payment is made in full in the amount of the pension claim due payable until the respective covering asset has been exhausted so that the last payment can be a partial payment.

Costs arising from or in connection with any disbursement shall be borne by the covering assets concerned. The Trustee shall liquidate the Trust Assets to the required extent unless this has already been carried out in accordance with para. (6), and from the proceeds pay the statutory income tax due on the respective covering assets as well as the social security contributions (insofar as these are to be paid for the respective Beneficiaries) to the competent tax office or the respective competent collecting agency, in order to immediately disburse the covering asset reduced by the specified items to the individual Beneficiaries.

If and to the extent that the Pension Claims are not due upon the occurrence of the Insured Event or will not be due upon the occurrence of the Insured Event, the Trustee shall manage or have managed the respective covering assets (or to the extent that additional Trust Assets exist which has not been assigned to certain Beneficiaries as covering asset at the expense of this additional trust asset). Costs incurred as a result of or in connection with the beneficiary and pension administration (including benefit payment) shall be borne by the respective covering assets (provided that no additional Trust Assets exist which have not been allocated to certain Beneficiaries as covering assets).

- (5) In lieu of the disbursement or further management of the covering assets, the Trustee shall also be authorized to use the covering assets to set up an Equivalent Security as defined in § 11 (7) of this Agreement. In particular, the Trustee shall have the right to transfer the covering assets to another structure that provides Equivalent Security. Equivalent Security shall also mean the procurement of reinsurance policies for the Pension Claims using the funds of the covering assets assigned to these Pension Claims. Reinsurance may also be limited to the portions of the Pension Claims not secured by the PSV; the respective portions of the covering assets shall be used for this purpose.

Equivalent Security shall also include the transfer of covering assets to the PSV, provided that PSV demonstrates that the respective covering asset provide adequate coverage individually for the relevant pension claim (for example, by purchasing appropriate insurance).

If the Trustee uses the covering assets as set out in this paragraph to establish an Equivalent Security, this shall eliminate their obligations to meet the Pension Obligations arising from the covering assets in the amount of the respective incurred nominal amount. Any costs incurred as a result of the measures described above shall be borne by the covering assets concerned (unless additional Trust Assets exist which have not been assigned to certain Beneficiaries as covering assets).

- (6) The Trustee shall have the right to invest the Trust Assets, in full or in part, in money market funds or other liquid forms of investment after the occurrence of the Insured Event. They may liquidate the Trust Assets in full or in part to the extent that this is necessary for the satisfaction of the Pension Claims. The Investment Guidelines (Annex 1) shall no longer apply if an Insured

Event occurs unless they contain special provisions for the capital investment after the Insured Event or provide for continued applicability of the regulations for the capital investment after the occurrence of the Insured Event. Any departure from the provisions of the Investment Guidelines which continue to be applicable is permitted in case of an Insured Event if this is useful in the fulfillment of the obligations of the Trustee. Any rights of the Company with respect to the Investment Guidelines as well as any other potential influence of the Company on the investment and administration of the Trust Assets shall not apply in case of an Insured Event. If, due to legal or factual circumstances, the Trustee is not able to access portions of the Trust Assets upon occurrence of the Insured Event, they shall be obligated to take necessary measures to gain access at the expense of the Trust Assets.

- (7) The Trustee may use one or more suitable service providers to fulfill its obligations in case of an Insured Event. Any costs incurred as a result of using a service provider, as well as the other costs and expenses to be reimbursed in accordance with § 9, shall be covered by the Trust Assets. They shall be taken into account when determining the expected handling costs referred to in para. (2). They shall also be withdrawn from the Trust Assets with distribution to the covering assets, if they have not been sufficiently taken into account in the determination of the settlement costs, unless additional Trust Assets exist which were not allocated to certain Beneficiaries as covering assets.
- (8) The Trustee may implement an advisory body comprising competent persons to assist in making investment decisions, provided that there is an active investment of the Trust Assets as of the occurrence of the Insured Event.
- (9) In case of an Insured Event, the Trustee may, on the basis of a separate written agreement with PSV, reimburse PSV from the Trust Assets for the benefits PSV provides to Beneficiaries for Pension Claims secured under this Agreement if due to the benefits provided by PSV the Trustee's obligation to provide such benefits expires. If such reimbursement is made, the Trustee may access only the covering asset of the Beneficiary to whom PSV has provided benefits.
- (10) The Beneficiaries shall not issue any instructions with regard to the manner of the utilization and distribution or other utilization of the Trust Assets in case of an Insured Event. If a Beneficiary fails to take an action necessary to enable the Trustee to meet its obligations vis-à-vis this Beneficiary, the Trustee shall be entitled to withhold benefits to this Beneficiary until the required action has been taken.
- (11) To the extent that, after all Pension Claims of the Beneficiaries have been settled and the Trustee has met all obligations vis-à-vis the tax authorities and has made all social security contributions to the collecting agencies or when such claims and obligations regarding the use of respective covering assets are deemed to have been met, and after all Pension Claims of service providers have been met, and the Trustee has satisfied its claims for reimbursement of costs and expenses from the Trust Assets, Trust Assets are still available, the Trustee shall prepare a final account and transfer these assets back to the Company. Pension Claims are deemed to have been settled if the Trustee has fully utilized the covering assets assigned to these Pension Claims pursuant to the provisions of this § 7.

## **§ 8**

### **Trustee's authorization to deposit**

- (1) Upon occurrence of the Final Insured Event, the Trustee may, provided the deposit requirements of Sec. 372 *BGB* are met, discharge itself from its obligations towards the Beneficiaries and the Company under this Agreement by using the transferred Trust Assets and to deposit the proceeds with the Local Court at the registered office of the Company after deducting its cost and expenses and waiving redemption to the benefit of the Beneficiaries, the Company, the respective tax office responsible for the collection of income tax on Pension Claims, as well as the respective collection agencies responsible for the collection of the applicable social security contributions. If PSV asserts claims against the Trustee on the Trust Assets or a portion of the Trust Assets, the Trustee may be mentioned as the eligible beneficiary in the deposit application in addition to the aforementioned parties. The costs of the deposit shall be borne by the Trust Assets.
- (2) Outside the Final Insured Event, the Trustee may deposit only in case of § 14 (5) of this Agreement (failure of the transfer of the Trust Assets after the termination of the Agreement).

## **§ 9**

### **Expense reimbursement claim by the Trustee**

- (1) The Trustee shall work free of charge. To the extent that the Trustee incurs expenses as a result of their activities relating to the fulfilment of their obligations under this Agreement, they may claim the corresponding amounts from the Trust Assets if the expenses are not reimbursed by the Company based on a separate agreement. Reimbursable expenses also include expenses incurred in the business operation of the Trustee such as expenses for accounting, auditing of the accounts by an external auditor, external service providers, or the management of the association (including executive remunerations and directors and officers liability insurance premiums). If the Trustee also concludes trust agreements with other companies of the Group to cover corporate pension scheme benefits, the expenses not specifically attributable to a trust agreement (in particular expenses incurred in the business operations of the Trustee) shall be allocated to the respective Trust Assets based on a Distribution Key agreed by the Companies or, if a Distribution Key has not been agreed, based on the ratio of the Trust Assets affected.
- (2) As of the occurrence of the Insured Event, all costs and expense shall be borne by the Trust Assets. Other provisions regarding the costs to be borne in this Agreement, in particular in § 7, shall remain unaffected.

## **§ 10**

### **Trustee's liability**

- (1) In performing its obligations arising from and in connection with this Agreement, the Trustee shall be liable only for intent and gross negligence.
- (2) The Trustee shall not be held liable if damages are caused as a result of inadequate advance payments by the Company or any third party commissioned by the latter, in particular the transmission of inaccurate data and information (which, for example, leads to unjustified reimbursement pursuant to § 3 (8) of this Agreement).
- (3) The Parties agree that the Trustee does not assume and cannot assume any liability for the investment success of the Trust Assets and the degree of coverage of the Pension Obligations by the Trust Assets.
- (4) The Company hereby indemnifies the Trustee and its managing bodies (who are third-party Beneficiaries within the meaning of Sec. 328 *BGB*) from any claims asserted by third parties or Beneficiaries against the Trustee and its officers in connection with the execution of this Agreement, unless the claim asserted by the third parties or the Beneficiaries is based on a grossly negligent or intentional act of the respective bodies or their employees. The indemnification of the Trustee from any claim by the Beneficiaries pursuant to s. 1 does not cover the claim of the Trustee for fulfillment of its obligations specified in § 7 of this Agreement. Changes to this indemnification may be effective only for the future and require the approval of the Trustee's managing bodies.

## **§ 11**

### **Transfer of undertaking and expiration of the obligation to recognize Pension Obligations, change in Beneficiaries**

- (1) Should, prior to an Insured Event, as a result of a legal transaction, an undertaking or part of an operation be transferred from the Company to another owner as set forth in Sec. 613 a *BGB* (regardless of whether this is the result of a singular succession or due to measures under the *UmwG*) and thus the Company is no longer the debtor of the Pension Claims of the Beneficiaries transferring to the new owner together with the undertaking, the total amount of the Pension Claims secured by this Agreement shall be reduced accordingly. The same applies if, prior to the occurrence of the Insured Event, as result of a split (including hive-down) under *UmwG* pension obligations to former employees of the Company are transferred to another company with the effect of discharging the Company. The preceding s. 1 and 2 of this paragraph shall not apply to the extent and insofar as the Company is not discharged from its Liability for the Pension Claims due to the Assumption Of Joint Liability. In this case, in particular the securing trust (§ 4 (1)) shall remain effective and the Insured Event is triggered when and if the circumstances triggering the Insured Event occur at the level of the new employer.

- (2) In one of the cases referred to in para. (1) and when and if the conditions specified in para. (1) s. 3 are not satisfied, the Company may require the Trustee, at the date of the transfer of undertaking, to provide the portion of the Trust Assets which corresponds to the portion of Pension Obligations transferred to the new owner in the total Obligation Value of all Pension Claims secured by this Agreement at the time of the transfer of undertaking to the business owner in order to establish an Equivalent Security within the meaning of para. (7) for the Pension Obligations to be transferred to the new business owner.

The Company is obliged to exercise its aforementioned right and to require the provision of Trust Assets to establish an Equivalent Security if the new business owner is a company affiliated with the Company; in this case, the part of the Trust Assets which is equivalent to the portion of the Pension Obligations of the new business owner in the total Obligation Value of all Pension Claims secured by this Agreement at the time of the transfer of undertaking shall be made available. The Company's obligation as set out in the previous sentence shall not apply to the transfer of undertaking to a new business owner that is not a company affiliated with the Company within the meaning of Sec. 15 of the German Stock Corporation Act (*Aktiengesetz – AktG*) or if the conditions specified in para. (1) s. 3 are satisfied.

- (3) Subject to the prerequisites set out in § 3 (9) of this Agreement, the Company may demand the retransfer of Trust Assets.
- (4) If the Trust Assets wholly or partially comprise assets that cannot be proportionally divided, the Trustee shall decide in the aforementioned cases how the specific assets constituting the Trust Assets will be distributed, unless the Investment Guidelines (Annex 1) assign this decision-making authority to the Investment Committee. Relevant for the required valuation of the assets in the Trust Assets is their fair value as defined by IFRS. § 5 of this Agreement shall apply with regard to a required determination of the Obligation Value of the transferred Pension Obligations.
- (5) The prerequisite for any transfer of Trust Assets to be made by the Trustee is that the new business owner has demonstrated to the Company or the Trustee that the transfer of the assets has been granted Equivalent Security. The equivalency of the security and the amount to be transferred shall be evidenced by a confirmatory statement by the auditor auditing the financial statements of the Company. The Trustee is under no obligation to conduct their own audit. The cost of the above proof shall be borne by the Company.
- (6) The provisions of para. (1) to (5) above shall apply *mutatis mutandis* if prior to the occurrence of the Insured Event a beneficiary is transferred from the Company (i) to a company which is an affiliated company as defined by Sec. 15 *AktG*, or (ii) to another company that is not affiliated with the Company as defined by Sec. 15 *AktG*, and the Pension Obligations arising from the Pension Claims of the transferred Beneficiaries are transferred to the receiving company.
- (7) "Equivalent Security" is defined as any securing of Pension Claims against the Company's insolvency and overindebtedness as a result of which the Beneficiaries' asset interests are protected to an economically comparable extent (this is usually the case when the existing Trust Assets attributable to the Pension Claims secured by the new security are used in full for the new security) and taking into account the Securing Ranking such as through the security provided under this Agreement (e.g., by transfer to a comparable (Group) trust structure or the pledging of claims under corresponding reinsurance policies). For the purpose of this Agreement, a security which gives rise to a segregation right in case of an Insured Event as well as a security which establishes a segregation right in the case of an Insured Event shall be deemed an Equivalent Security.

For the establishment of the Equivalent Security, the Trustee may use no more than the portion of the Trust Assets equivalent to the Obligation Value of the corresponding Pension Claims in relation to the Obligation Value of all Pension Claims secured by this Agreement. The arm's length market cost of establishing the Equivalent Security shall be charged to this portion of the Trust Assets or, if the entire Trust Assets are utilized, shall be charged to the Trust Assets as a whole. Furthermore, a security is deemed to be equivalent only if the protection it affords to the Beneficiaries against access by the Company as the debtor of the Pension Claims to assets which serve to secure the Pension Claims qualitatively corresponds to the requirements which are to be met under the accounting standards that have been adopted and recognized by the Company in the financial statements (if applicable) for the qualification of assets as plan assets or as being eligible for netting. The equivalence of the security must be demonstrated through

written confirmation of the auditor auditing the financial statements of the Company. The Company shall bear the corresponding costs. The Trustee is under no obligation to conduct their own audit.

## **§ 12 Confidentiality**

- (1) Without prejudice to the transfer rights under § 12 (2) of this Agreement, the Company and the Trustee undertake to treat
  - all documents, information and data (including accounting records, contracts, analysis, compilations, forecasts, investigations and other financial data including by way of floppy disks, CD-ROMs, or other storage units) made available to them by the other party or known to them by virtue of this Agreement or with a view to its preparation or execution,
  - as well as the text of this Agreement

- hereinafter collectively referred to as “**Confidential Information**” -

strictly confidential for an indefinite period of time (hence also beyond the term of this Agreement), use them only within the scope of the contractual relationship and not disclose them to third parties without the prior consent of the other Party unless required for the purpose of this Agreement.

- (2) The Company and the Trustee shall disclose Confidential Information only to those of their authorized agents, representatives, employees, or external consultants and service providers who require access to the Confidential Information to perform their duties or mandate for a Party and who have been notified by the Party concerned regarding the confidentiality of the transaction. Unless they are subject to para. (3), external consultants and service providers must have submitted a written declaration to the effect that they accept the terms of this § 12 as binding.
- (3) Such a written declaration shall not be required for external consultants and service providers who are obligated through mandatory professional regulations and policies to treat the Confidential Information as confidential.
- (4) The right to disclose confidential information to fulfill legal obligations shall remain unaffected.
- (5) The Company and the Trustee must immediately notify the other Party, if the latter is affected, or for any known or legitimate reason is justified to assume that Confidential Information has been disclosed to an unauthorized person.
- (6) The Beneficiaries have a right of access to the Company from the date of the occurrence of the Insured Event, as well as vis-à-vis the Trustee with regard to the rights that they are specifically entitled to from the Securing Trust. The Company and the Trustee may require that the Beneficiaries requesting the information enter into a non-disclosure agreement in accordance with the provisions of this § 12 before information is provided.

## **§ 13 Privacy policy**

To comply with data protection provisions relating to the performance of this Agreement, the Company and the Trustee undertake to take appropriate measures necessary for the collection, processing, use and transfer of the personal data of the Beneficiaries. The Company and the Trustee shall appoint the Privacy Officer of the Company to oversee the privacy provisions of this Agreement.

## **§ 14 Term, cancellation, and termination of the Agreement**

- (1) This Agreement becomes effective upon signing by both Parties and under the condition precedent that the Operational Hive-down is registered in the Commercial Register of KGaA; it is concluded for an indefinite period.

- (2) This Agreement may be terminated at any time by mutual agreement between the Company and the Trustee. Amicable termination is only permitted and effective if at least an equivalent security is ensured.
- (3) Otherwise, this Agreement may be terminated by the Company until the occurrence of an Insured Event within a period of six months as per the end of the year or be otherwise terminated by the Company or the Trustee for due causes without giving notice. Due cause shall mean in particular if the Trustee, despite prior warning, violates obligations under this Agreement or if the number of members of the Trustee falls below the minimum number required by law; in the latter case, the Trustee may also terminate the Agreement. The Agreement shall be deemed to have been terminated in accordance with s. 1 for due cause in the event of dissolution, insolvency, or loss of the legal capacity of the Trustee. The occurrence of the Insured Event shall not constitute due cause. This Agreement may also be terminated by either Party if there are no longer any Pension Claims against the Company secured under this Agreement.
- (4) Upon termination of this Agreement pursuant to para. (3) s. 1, the Trustee shall transfer any remaining Trust Assets to a third party to be designated in writing by the Company, provided that the latter enters into an agreement with the Company for the benefit of the Beneficiaries which represents an at least Equivalent Security of the Pension Claims. The equivalence of the security must also be proven in this case at the Company's expense by a statement of the auditor auditing the financial statements of the Company. The Trustee is under no obligation to conduct their own audit. Upon termination of this Agreement by either Party, both Parties shall be required to perform all necessary actions required to ensure Equivalent Security. In the event of a termination in accordance with para. (3) s. 1 and regardless of the proper period of notice specified therein, this Agreement may not be terminated until an Equivalent Security has been implemented.
- (5) If the prerequisites for a transfer of the Trust Assets pursuant to para. (4) are not met within three months of receipt of the notice of termination, the Trustee may, provided the deposit requirements of Sec. 372 *BGB* are met and provided that trust administration within the meaning of this Agreement is no longer guaranteed, undertake to discharge itself from its obligations under this Agreement by depositing the Trust Assets with the Local Court of the registered office of the Company for the benefit of the Company, the tax offices responsible for the collection of income tax, and the respective collecting agencies responsible for the collection of social security contributions, and all Beneficiaries with discharging effect. Trustee may utilize the Trust Assets if required for depositing these assets. If PSV asserts claims against the Trustee on the Trust Assets or a portion of the Trust Assets, the Trustee may be mentioned as the eligible beneficiary in the deposit application in addition to the aforementioned parties. The costs of the deposit shall be borne by the Trust Assets.
- (6) As of the occurrence of the Insured Event, this Agreement may be terminated only by the Trustee and only for due cause. Due cause shall mean in particular if the number of members of the Trustee falls below the legally stipulated minimum number or threatens to fall below it permanently. If the Agreement is terminated in accordance with s. 1 upon the occurrence of the Insured Event, the Trustee shall remain obligated, irrespective of the termination, to comply immediately with the duties and obligations pursuant to § 7 of this Agreement. However, the Trustee shall have the right to provide in its own name an Equivalent Security within the meaning of § 11 (7) in favor of the Beneficiaries secured under this Agreement and to cover the resulting expenses by withdrawing from the Trust Assets. After the establishment of an Equivalent Security, the securing of the corresponding Pension Claims provided by this Agreement ceases. If the Company has transferred Pension Obligations to a pension fund in accordance with § 3 a of this Agreement, the Trustee may, in its own name, transfer items of the Trust Assets not required to cover the Pension Obligations secured by this Agreement to the pension fund, provided that this is necessary, so that the pension fund can permanently fulfill the Pension Obligations transferred to it in accordance with § 3 a of this Agreement. Moreover, the provision in § 8 (1) of this Agreement shall also remain applicable.

- (7) The Company may only demand the retransfer of the Trust Assets after the termination of this Agreement if all Pension Claims are fully satisfied or the Pension Claims are secured by the establishment of another equivalent security. If the Company has transferred Pension Obligations to a pension fund pursuant to § 3 a of this Agreement, Trust Assets may only be retransferred to the Company after the termination of this Agreement subject to the additional condition that the pension fund also has sufficient assets to cover its Pension Obligations permanently. A claim of the Company to retransfer Trust Assets after the termination of this Agreement is therefore excluded as long as the pension fund to which Pension Obligations have been transferred in accordance with § 3 a of this Agreement lacks assets as defined in Sec. 115 (2a) and (2b) VAG. The Company may require that the Trustee transfer to the Pension Fund any items of the Trust Assets not required to cover the Pension Obligations secured by this Agreement and not required to establish an equivalent security, so that it can permanently fulfill the obligations transferred to its in accordance with § 3 a of this Agreement.

## **§ 15**

### **Amendments to the Agreement**

- (1) The Company may exclude Pension Claims or portions of Pension Claims which do not arise until after a date not in the past to be determined by the Company, through unilateral written declaration to the Trustee and the respective Beneficiaries (insofar as these are included in this Agreement with their Pension Claims acquired up to the Effective Date) from the scope of this Agreement. Pension Claims and parts of Pension Claims which have arisen or were accrued until such date, shall remain unaffected and continue to be secured by this Agreement if the Company exercises the right specified in s. 1.
- (2) Amendments to the Agreement which merely change the content of technical processes or are a remedy of omissions, are made while maintaining the security interests of the Beneficiaries in consultation between the Company and the Trustee, without requiring the consent of the Beneficiaries. This shall also apply to contractual amendments that serve the purpose of establishing another, at least equivalent, security (Equivalent Security) for the Beneficiaries (even if the previous security is canceled). S. 1 shall also apply to the rewording of the Agreement that merely clarifies the common intent of the Company and the Trustee when entering into this Agreement.
- (3) Subject to compliance with the purpose of this Agreement to ensure the securing of the Beneficiaries as of the transfer of the assets pursuant to § 3 (1) of this Agreement to the Trustee up to any Insured Event, the Company shall have the right, to the extent that netting of the liability to be reported due to the Pension Claims in the Consolidated Financial Statements or in the financial statements with the separate assets covering Pension Obligations - as described in para. (5) of the Preamble to this Agreement - is not or no longer feasible, to amend the Agreement even without the consent of the Beneficiaries so that netting is possible provided that after the amendment of the Agreement an equivalent security continues to exist.
- (4) To the extent that the modification of this Agreement is required due to legal or regulatory provisions or due to revised or new case law, the Company and the Trustee shall jointly modify the Agreement, taking into account the interests of the Beneficiaries without their consent being required.
- (5) Modifications and amendments to this Agreement which are only beneficial to the Beneficiaries shall not require their consent.
- (6) Otherwise, the Agreement may only be amended with the consent of at least 75% of the respective Beneficiaries concerned.

## **§ 16**

### **Inclusion of additional Pension Claims**

- (1) The Company reserves the right, in addition to the Pension Claims and entitlements defined in paragraph 2 of the Preamble of this Agreement, to cover further claims and entitlements from pension commitments of the Company in the securing pursuant to this Agreement. This is done by written notification of the Company to the Trustee. Should the Company exercise this right, the definition of the Pension Claims under this Agreement shall change accordingly.



- (2) The extent of the financing and thus the security of the individual Pension Claims may be reduced by including further claims and entitlements to the provision of corporate pension scheme benefits in the securitization under this Agreement. The Company is not obligated to increase the value of the Trust Assets in such a case.

## **§ 17**

### **Final provisions**

- (1) This Agreement shall become effective upon the Operational Hive-down becoming effective on the Legal Effective Date.
- (2) Claims under this Agreement can neither be assigned nor encumbered, pledged, or otherwise transferred to third parties. Any assignments, encumbrances, pledges, or transfers shall not be effective vis-à-vis the other Party.
- (3) There are no verbal side agreements to this Agreement. Any changes and amendments to this Agreement, including this written form clause, must be in writing in order to be effective, unless stricter form requirements are prescribed by mandatory statutory provisions.
- (4) Should one or more provisions of this Agreement be or become invalid, either as a whole or in part, this shall not affect the validity of the remaining provisions. The Company and the Trustee are obligated to replace an invalid provision with such valid provision coming closest to the intended economic purpose of the invalid provision. The same shall apply to any omissions in the Agreement.
- (5) To the extent legally permissible, the exclusive place of jurisdiction for all disputes arising from this Agreement shall be Darmstadt. The law of the Federal Republic of Germany shall apply to the exclusion of German international private law.
- (6) The investment guidelines attached as Annex 1 shall form an integral part of this Agreement. The definitions and statements contained in the Preamble shall also be an integral part of this Agreement.
- (7) This Agreement is executed in two copies. A copy is provided each to:
- the Company
  - the Trustee

**POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA intends for the operational activities of the Healthcare, Life Science, and Performance Materials business sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240, for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771, for the Operating Unit Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93768, for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, inter alia, support the introduction of global business sector-specific Enterprise Resource Planning systems (ERP-systems) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-Down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Units shall be hived down to the OpCos. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

The OpCos in turn shall enter into appropriate CTA agreements with these trustees to provide the security, even after the Operational Hive-down is implemented also for the duration of the aforementioned business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

NOW THEREFORE, KGaA hereby authorizes

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and

13. Christoph Frieling, born on September 16, 1977

all with business address:

c/o MERCK KGaA, Darmstadt, Germany  
Frankfurter Straße 250, 64293 Darmstadt, Germany,

(the **Representatives**),

each separately and independently of each other, to enter into the following contracts in the name of KGaA:

1. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
2. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representatives shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representatives' discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representatives, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the powers of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Stefan Oschmann

[Signature]

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Dr. Marcus Kuhnert

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of HC OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann



**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 16, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

**DELEGATED POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Healthcare Germany GmbH, Darmstadt, Germany, with its corporate seat in Darmstadt, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

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Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of HC OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann



**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 16, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

Darmstadt, February 14, 2018

[Signature]

[Signature]

\_\_\_\_\_  
Dr. Robert Nass

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Stephan Lahrkamp

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;



3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

**DELEGATED POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Life Science Germany GmbH, Darmstadt, Germany, with its corporate seat in Darmstadt, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (the **Principal**) For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

Darmstadt, February 14, 2018

[Signature]

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;



3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Vienna, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**DELEGATED POWER OF ATTORNEY**

for

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 93768 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.



Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Vienna, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**POWER OF ATTORNEY**

of

**Merck Pensionstreuhand e.V., Darmstadt, Germany,  
a related company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, registered in the register of associations  
of the lower court of Darmstadt under VR 83075 (**MP e.V.**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240, for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771, for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93768, for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).



As part of the Operational Hive-down, active employees under the Operational Hive-Down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Units shall be hived down to the OpCos. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via MP e.V. by way of a Contractual Trust Agreement (**CTA**).

The OpCos in turn shall enter into appropriate CTA agreements with MP e.V. to provide the security, even after the Operational Hive-down is implemented also for the duration of the aforementioned business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

NOW THEREFORE, MP e.V. hereby authorizes

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and

13. Christoph Frieling, born on September 16, 1977

all with business address:  
c/o MERCK KGaA, Darmstadt, Germany  
Frankfurter Straße 250, 64293 Darmstadt, Germany,

(the **Representatives**),

each separately and independently of each other, to enter into the following contracts in the name of MP e.V.:

1. CTA-trust agreement between the OpCos, represented by KGaA, and MP e.V. to continue securing the pension commitments against insolvency as well as
2. Partial transfer agreement concerning transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V.

The Representatives shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representatives' discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representatives, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the powers of attorney, either as a whole or in part.

Darmstadt, February 19, 2018

[Signature]

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Rando Bruns

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Matthias Bürk

**POWER OF ATTORNEY**

of

**Merck Pensionstreuhand e.V., Darmstadt, Germany,  
a related company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, registered in the register of associations  
of the lower court of Darmstadt under VR 83075 (**MP e.V.**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240, for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771, for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93768, for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-Down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Units shall be hived down to the OpCos. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via MP e.V. by way of a Contractual Trust Agreement **(CTA)**.

The OpCos in turn shall enter into appropriate CTA agreements with MP e.V. to provide the security, even after the Operational Hive-down is implemented also for the duration of the aforementioned business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

NOW THEREFORE, MP e.V. hereby authorizes

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and

13. Christoph Frieling, born on September 16, 1977

all with business address:  
c/o MERCK KGaA, Darmstadt, Germany  
Frankfurter Straße 250, 64293 Darmstadt, Germany,

(the **Representatives**),

each separately and independently of each other, to enter into the following contracts in the name of MP e.V.:

1. CTA-trust agreement between the OpCos, represented by KGaA, and MP e.V. to continue securing the pension commitments against insolvency as well as
2. Partial transfer agreement concerning transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V.

The Representatives shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representatives' discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representatives, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the powers of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Rando Bruns

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Matthias Bürk

## **Annex 11.9**

Trust Agreement on transferring the legal position of KGaA as regards  
Pension Commitments vis-à-vis Transitioning Healthcare Employees to  
HC OpCo

**Regulatory Content of the Trust Agreement  
with regard to pension commitments by way of  
direct insurance and the pension fund  
according to Sec. 11.9 of the  
Hive-Down and Transfer Agreement<sup>1</sup> between  
KGaA and HC OpCo**

**§ 1 Trust Agreement**

- 1.1 KGaA undertakes, as of the Legal Effective Date within the meaning of the Hive-Down Agreement between KGaA and HC OpCo and with economic effect as of Economic Effective Date, to perform the legal positions required for pension commitments in the form of direct insurance commitments and pension fund commitments and that KGaA holds relating to Transferring Employees of the Healthcare sectors within the meaning of Sec. 11.1 of the Hive-Down Agreement (hereinafter referred to as ***legal positions from the external means of implementation***), specifically to maintain the policyholder position with regard to direct insurance and the position as a member firm of the pension fund, as per the legal regulations exclusive in trust for HC OpCo and in their interest (hereinafter ***Trust Agreement***). In particular, KGaA shall not have the right to transfer, assign, pledge, encumber or surrender the legal positions from the external execution channels without the prior consent of HC OpCo.
- 1.2 HC OpCo is entitled to extend the fiduciary relationship established under this Trust Agreement at any time by instructing the KGaA to include additional legal positions from external means of implementation. This applies in particular to legal positions from external means of implementation, insofar as they relate to employees who are hired after the Economic Effective Date and receive a direct insurance commitment or pension fund commitment. All such additional legal positions from external channels of execution shall be deemed to be legal positions from external means of implementation within the meaning of this Trust Agreement as from the time of instruction by HC OpCo.
- 1.3 The parties agree that during the fiduciary administration by KGaA, HC OpCo, as holder of the legal positions from the external execution channels, shall have the same economic rights as an owner with full legal rights regarding the legal positions from the external execution channels. Furthermore, the fiduciary administration is not intended for KGaA to wholly or partly hold the economic ownership to the legal positions from the external execution channels.

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<sup>1</sup> The definitions of the Hive-Down and Transfer Agreement apply accordingly unless otherwise provided below.

## **§ 2 Rights and Obligations of KGaA**

- 2.1 KGaA is obligated to follow all instructions of HC OpCo in connection with the legal positions from the external execution channels. Moreover, it is obligated to perform all duties under this Trust Agreement with the greatest possible care.
- 2.2 KGaA undertakes to fulfill all legal and contractual obligations towards the beneficiaries and the pension providers based on the direct insurance commitments and pension fund commitments within the scope of this Agreement. In particular, KGaA undertakes to make timely payments of insurance premiums and contributions for direct insurance commitments and pension fund commitments and to act vis-à-vis external pension providers in a manner that is in the best interest of HC OpCo, to make the best economic use of the legal position from external execution channels.
- 2.3 KGaA is only obligated and entitled to enforce the legal positions from the external execution channels if HC OpCo gives it explicit instruction to do so. The express instruction can also be given on an overall basis. If it receives such instructions, it shall execute the legal positions from the external execution channels in the best interests of HC OpCo and according to their instructions, while keeping HC OpCo informed of all key aspects of the proceedings. Should KGaA consider a particular measure to enforce the legal positions from the external execution channels to be of benefit, it shall provide HC OpCo with all information that justifies its assessment and request the issuance of instructions by HC OpCo.
- 2.4 Any payments which the KGaA receives in connection with its activities under this Trust Agreement and which are not due to the employees mentioned in section 1.1, but to the KGaA economically due to its position as policyholder of direct insurance or as a member firm of the pension fund, are exclusively due to the HC OpCo in relation between the KGaA and the HC OpCo.

## **§ 3 Rights and Obligations of HC OpCo**

- 3.1 HC OpCo shall have the exclusive right to use the legal positions from the external execution channels in any way and to exploit them as needed.
- 3.2 HC OpCo shall have the right to issue instructions to KGaA from the external execution channels at any time with regard to the legal positions. In doing so, it shall act in accordance with the statutory provisions.
- 3.3 HC OpCo is obliged to assist KGaA in the fulfillment of all legal or contractual obligations under the direct insurance commitments and pension fund commitments to the beneficiaries and the pension providers.
- 3.4 HC OpCo shall at any time be entitled to demand from KGaA the termination of any activities of KGaA with respect to the legal positions from the external execution channels and/or to arrange the re-establishment / transfer of the legal positions from the external execution channels. HC OpCo shall operate in accordance with the legal regulations.



#### § 4 Costs and Accounting

- 4.1 All costs and expenses incurred by KGaA in connection with the fulfillment of obligations under this Trust Agreement shall be borne by HC OpCo. KGaA shall bill all costs incurred as a result of the fulfillment of the obligations under this Trust Agreement within reasonable regular intervals, at least once a year to HC OpCo.
- 4.2 The costs substantiated and invoiced in accordance with sec. 4.1 **Error! Reference source not found.** shall be paid by HC OpCo to KGaA within 60 days of receipt of the invoice.

#### § 5 Term and Termination

- 5.1 This Trust Agreement shall become effective upon registration of the hive-down in the Commercial Register and with retroactive effect from the Economic Effective Date as of January 1, 2018, at midnight, and shall be entered into for an indefinite period of time.
- 5.2 HC OpCo and KGaA may each terminate the Trust Agreement at any time without providing any reason, giving notice of 2 months as per the end of the month,.
- 5.3 The right of both Parties to terminate this Trust Agreement for due cause or for mutually agreed annulment and amendment shall remain unaffected.
- 5.4 Upon termination of this Trust Agreement, all rights of the Parties under this Trust Agreement shall elapse unless expressly specified otherwise. At the time of termination, the legal positions from the external means of implementation are transferred to HC OpCo, where appropriate. KGaA and HC OpCo will carry out the necessary steps for the transfer. If the transfer requires the approval of the external pension provider or an agreement with the external pension provider, the KGaA and HC OpCo will obtain or conclude such an agreement. Insofar as such consent is refused or such an agreement with the external pension provider is not reached, the KGaA will ensure that HC OpCo will be provided as if a corresponding agreement had been concluded, in particular by working towards obtaining a policyholder position with regard to the direct insurances and obtaining a status of a member firm of PKDW.

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**Annex 11.10.a**

CTA Trust Agreement to continue the insolvency protection for Time Account  
Agreements between HC OpCo / LS OpCo / PM OpCo / Metzler Trust e.V.  
and Höchster Pensions Benefits Services GmbH

**Deed No. 160 of the 2018 (A) Deed Register**

**CTA Trust Agreement to continue the insolvency protection for Time Account Agreements**

**by and between**

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
Merck Life Science Germany GmbH, Darmstadt, Germany,  
Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
Metzler Trust e.V. and Höchster Pensions Benefits Services GmbH**

Recorded in Darmstadt on this 26th day of February 2018.

Before me, the undersigned notary public

**Dr. Wulf Albach**

with my registered office situated in Darmstadt, Germany, Friedensplatz 6, appeared today at the office of Merck KGaA, Frankfurter Straße 250, 64293 Darmstadt, Germany, where the notary public appeared upon the request of the parties who appeared before him:

1. Mr. **Alexander Werner**, born on November 13, 1967,  
with business address: Frankfurter Straße 250, 64293 Darmstadt, Germany,  
identified by: German federal identification card (*Bundespersohnalausweis*).
2. **Dr. Holger Pittroff**, born on January 27, 1973,  
with business address: Frankfurter Straße 250, 64293 Darmstadt, Germany,  
identified by: German federal identification card.
3. Mr. **Christoph Frieling**, born on September 16, 1977  
with business address: Frankfurter Straße 250, 64293 Darmstadt, Germany,  
identified by: German federal identification card.
4. **Dr. Marco Schulmerich**, born on July 8, 1970,  
with business address: Untermainanlage 1, 60329 Frankfurt a. M., Germany,  
identified by: German federal identification card.
5. Mr. **Christian Remke**, born on February 17, 1964,  
with business address: Untermainanlage 1, 60329 Frankfurt a. M., Germany,  
identified by: German federal identification card.
6. Mr. **Stefan Wolf**, born on October 13, 1967,  
with business address: Brüningstraße 50, 65926 Frankfurt am Main, Germany,  
identified by: German federal identification card.
7. **Dr. Andreas Peiter**, born on July 22, 1971,  
with business address: Brüningstraße 50, 65926 Frankfurt am Main, Germany,  
identified by: German federal identification card.

Representations:

1. The person specified in No. 1) is not acting in his own name,

but - discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018 a certified copy of which is attached hereto at Annex V2.2.

Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Healthcare Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 96240, and based on written powers of attorney dated February 18/16, 2018 a certified copy of which is attached hereto as Annexes V2.1.1 and V2.1.2.

2. The person specified in No. 2) is not acting in his own name,

but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018 a certified copy of which is attached hereto at Annex V3.2.

Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Life Science Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 93771, and based on written powers of attorney dated February 14/15, 2018 a certified copy of which is attached hereto at Annexes V3.1.1 and V3.1.2.

3. The person specified in No. 3) is not acting in his own name,

but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with the corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 and based on written delegation of power of attorney dated February 20/22, 2018 a certified copy of which is attached hereto at Annex V4.2.

Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Performance Materials Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 93768, and based on written powers of attorney dated February 14, 2018 a certified copy of which is attached hereto at Annexes V4.1.1 and V4.1.2.

4. The persons specified in No. 4) and No. 5) is not acting in their own name, but for **Metzler Trust e.V.**, with the corporate seat in Frankfurt am Main, Germany, registered in the register of associations (*Vereinsregister*) of the lower court of Frankfurt am Main under VR 12458, namely as its directors **with joint power of representation**.
5. The persons specified in No. 6) and No. 7) is not acting in their own name, but for **Höchster Pensions Benefits Services GmbH**, with the Corporate seat in Frankfurt am Main, Germany, registered in the commercial register of the lower court of Frankfurt am Main under HRB 51443, namely the person specified in No. 6) as the managing director and the person specified in No. 7) as the holder of a general commercial power of attorney.

With regard to the accurateness of the above representations, reference is made to the entries in the electronic commercial register (register portal of the German federal states) and the electronic register of associations of the lower court of Frankfurt/Main.

The notary public asked the persons who appeared before him whether he or a person associated with him for joint **business purposes** were or are engaged outside his capacity as notary public in any matter that is a subject matter of this notarization. The persons who appeared before him responded in the negative. Furthermore, the persons who appeared before the notary public declared that they or the parties they represent, respectively, act for their own account in the declarations below.

The persons who appeared before the notary public declared and requested notarization of the following:

## TRUST AGREEMENT TO SECURE CORPORATE TIME ACCOUNTS

by and between

Merck Healthcare Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64293 Darmstadt  
- hereinafter referred to as “**HC OpCo**” -,

Merck Life Science Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64293 Darmstadt  
- hereinafter referred to as “**LS OpCo**” -,

Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64293 Darmstadt  
- hereinafter referred to as “**PM OpCo**”-

each represented by

Merck KGaA, Darmstadt, Germany  
Frankfurter Straße 250  
64293 Darmstadt  
- hereinafter referred to as “**KGaA**” -

and

Metzler Trust e.V.  
Untermainanlage 1  
60329 Frankfurt a. M.  
- hereinafter referred to as “**Company Trustee**” -

and

HÖCHSTER PENSIONS BENEFITS SERVICES GmbH

Brüningstraße 50

65926 Frankfurt am Main

- hereinafter referred to as “**Employee Trustee**” -

## Preamble

Merck KGaA, Darmstadt, Germany, together with its German and foreign subsidiaries (hereinafter referred to as “**Group**”), is a globally operating science and technology company. HC OpCo, LS OpCo and PM OpCo (hereinafter referred to individually as “**Trustor**” or collectively as “**Trustors**”) are companies of the Group. As part of Group's strategic development, the operating activities of the Healthcare, Life Science, and Performance Materials Business Sectors and the associated assets and liabilities (hereinafter individually referred to as an “**Operating Unit**”) within KGaA at the Darmstadt and Gernsheim sites shall be, based on a hive-down agreement – hived down by way of a hive-down by absorption pursuant to Sec. 123 (3) No. 1 German Reorganization Act (*Umwandlungsgesetz – UmwG*) each to one of the Trustors, with the Operating Unit Healthcare being hived down to HC OpCo, the Operating Unit Life Science to LS OpCo, and the Operating Unit Performance Materials to PM OpCo (hereinafter referred to as “**Operational Hive-down**”). Hiving down the Operating Units is intended to ensure more efficient management of the Operating Units based on a business sector-specific Enterprise Resource Planning System (hereinafter “**ERP system**”). As a result of the hive-down, the claims resulting from the time accounts of the Transitioning Employee shall first be transferred to the Trustors; simultaneously, the corresponding plan assets shall be held as of that date based on this Trust Agreement. The introduction of this business sector-specific ERP system is planned for the Healthcare Business Sector in **2019** and for the Business Sectors Life Science and Performance Materials in the course of the year **2020**. Since the technical requirements for introducing the ERP systems do not exist at the Trustors at the time of the Operational Hive-down, it is intended that the business activities hived down to the Trustor be temporarily leased back to KGaA until the introduction of the ERP systems by the respective Trustor (hereinafter referred to as “**Business Lease**”) with the result that the employment relationships transferred to the Trustors in the course of the Operational Hive-down being retransferred to KGaA by operation of law. The Business Lease shall become effective immediately upon the Operational Hive-down becoming effective (hereinafter referred to as “**Legal Effective Date**”). Notwithstanding the preceding sentence, the Business Lease shall become effective with retroactive economic effect as of January 1, 2018, 0:00 hours (hereinafter “**Economic Effective Date**”). The plan for the Business Lease is that the Trustors assume joint liability for their respective Operating Unit in respect of the Time Account Entitlements defined below and agree internally with KGaA to assume performance in full (hereinafter “**Assumption Of Joint Liability**”).

Assumption Of Joint Liability shall cease if the employees defined below are retransferred to the Trustor upon termination of the Business Lease.

After the Operational Hive-down, the Trustors shall give their employees (for legibility reasons collectively referred to as “employees”) the opportunity to transfer the value of work performed/work time as well as parts of the cash compensation for work performed (hereinafter collectively referred to as “**Compensation Components**”) to time accounts based on the existing policies applicable at the Trustors regarding the use of time accounts (hereinafter “**Time Account Agreement**”), either directly or by way of Assumption Of Joint

Liability, and thus accrue entitlements to compensation for periods when not required to work by way of time accounts (*Wertguthaben*) as defined by Sec. 7 (1) a) and Sec. 7 (1) b) German Social Code IV (*SGB IV*) for which an obligation would have to be reported (without netting permitted by this Agreement) in the Group's consolidated financial Statements (hereinafter "**Consolidated Financial statements**"). Non-reporting of the obligation is only permissible in the amount of the assets transferred to the Trustees under this Agreement. During the term of the Business Lease, such Time Account AgreementTime Account Agreements may also be entered into or continued with KGaA for the respective Operating Unit. The entitlements resulting from the Time Account AgreementTime Account Agreement brought forward against KGaA or the Trustor, either directly or due to the Assumption Of Joint Liability, during the Business Lease are hereinafter collectively referred to as "**Time Account Entitlements**", and the obligations of the Trustor or KGaA, respectively, derived from the Employees' Time Account Entitlements are hereinafter collectively referred to as "**Time Account Obligations**" - regardless of whether the Trustor has incurred these obligations directly or by way of Assumption Of Joint Liability.

The Time Account Entitlements include those transferred to the Trustors in the course of the Operational Hive-down.

The time account entitlements, however, do not include such other entitlements for the performance derived from a Time Account Agreement that the Trustor has merely as the result of a transfer of undertaking under Sec. 613a *BGB* (with the Trustor as the party receiving the undertaking) or from a measure under the *UmwG* after the closing of this Agreement (with the Trustor as the receiving entity). Such entitlements are only included in this Agreement if the Trustor makes a unilateral statement in writing to the Company Trustee to that effect and meets the other requirements in § 2 of this Agreement. Each Trustor hereby issues a unilateral written statement to this effect for Employees transferred from KGaA to that Trustor upon termination of the respective Business Lease.

The Trustors intend to cover the Time Account Entitlements (including the associated employer contributions to the total social security premium) to the extent set forth in more detail in this Agreement and to secure them in such manner that excludes them from the insolvency estate. This shall be done by way of transfer of the assets required for appropriate funding (hereinafter meaning dedication of assets and the benefits and surrogates thereof to settle time account entitlements) to the Company Trustee as a legally independent third parties (hereinafter "**Contractual Collateral**").

This Agreement is entered into for the purpose of making funds for the fulfillment of the Time Account Entitlements available as part of the available Trust Assets before an Insured Event occurs if amounts due to authorized recipients derived from the Time Account Agreement are due and after an Insured Event or non-performance event occurs, respectively, to ensure use of the Contractual Collateral for the Time Account Entitlements in this Agreement vis-à-vis the Employees and the collecting offices of the social insurance carriers (hereinafter "**Earmarking**").

If no premiums are paid for Employees to the statutory medical and long-term care insurance scheme, but employer contributions for private medical and long-term care insurance are provided instead, the entitlements to receive these employer contributions under this Agreement shall be provided in a manner precluding inclusion in the insolvency estate as would be the corresponding entitlements for payment of employer contributions to premiums for the statutory medical and long-term care insurance scheme. The same applies to entitlements to receive employer contributions to exempt pension insurance or to a professional pension insurance policy provided in lieu of the employer contribution to the premiums for the statutory old-age pension insurance. The term "**Employer Portion to the Total Social Security Contribution**" in the context of this Agreement shall hereinafter



include employer contributions to private medical and long-term care insurance and/or to exempt pension insurance or to a professional pension policy provided by the employer in lieu of the corresponding employer contribution to the corresponding social security premiums.

In addition, the transfer of the funds on a trust basis required to finance the time value account entitlements is intended to offset the balance of the liabilities to be disclosed otherwise in respect of the time value account entitlements in the Consolidated Financial Statements against the separated assets covering these obligations. All of the following provisions in this Agreement shall be applied *mutatis mutandis* such that the netting option under Sec. 246 (2) of the German Commercial Code (*Handelsgesetzbuch – HGB*) and the plan asset classification within the meaning of IAS 19.7 or FAS 87 (only if and to the extent that US GAAP is used for reporting) as amended are maintained. The Parties shall keep each other apprised regarding any changes that may affect this classification and the Parties shall work towards an adjustment or amendment of the provisions in this Agreement if necessary.

This Agreement is the basis for an administrative trust between each Trustor and the Company Trustee and for a securing trust in favor of the Employees named in this Agreement as part of an actual third-party beneficiary contract (*Vertrag zugunsten Dritter*) within the meaning of Sec. 328 (1) *BGB* as well as a securing agreement between the Company Trustee and the Employees via the Employee Trustee within the meaning of a double trust (*doppelseitige Treuhand*).

The Parties stipulate that, prior to entering into this Agreement, KGaA and the Trustors have checked with their tax advisor/auditor/legal advisor and other persons with expertise about the tax and insolvency law implications of using the model described above for the Trustors and the Employees and about the regulatory, labor law, and other legal requirements which the Trustors must comply with. The Company Trustee and Employee Trustee are not rendering any advisory services.

The Parties agree that Employees with time account entitlements, who are currently secured by the Trust Agreement of KGaA and are not affected by the Operational Hive-down, shall continue to be secured by the continued Trust Agreement by and between Merck KGaA, the Company Trustee, and the Employee Trustee, and that said Trust Agreement shall continue to apply.

NOW THEREFORE, each Trustor agrees with the Company Trustee and the Employee Trustee as follows:

## **§ 1 Definitions**

Unless defined differently elsewhere, the following terms have the following definitions in the context of this Agreement:

|                  |                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Accounting group | Asset law and administrative assignment of Trust Assets to the Time Account Agreements of the Trustor and the contractual securing purpose |
| BGB              | German Civil Code                                                                                                                          |
| DBO              | Defined Benefit Obligation as defined by IAS/IFRS GAS 19.63 et seq.                                                                        |

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|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FAS           | Financial Accounting Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| HGB           | German Commercial Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| IAS           | International Accounting Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| IFRS          | International Financial Reporting Standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Employees     | <p>All male and female employees of the Trustor,</p> <ul style="list-style-type: none"> <li>- who were already in an employment relationship with the Trustor at the time this Agreement was concluded,</li> <li>- who enter into such a relationship at a later time,</li> <li>- whose employment relationship the Trustor joins after the conclusion of this Agreement if these employees maintain a time account with the Trustor under the rules applicable to the Trustor,</li> <li>- who are assigned to KGaA under the Business Lease Agreement or are hired by KGaA during the Business Lease in the respective Operating Unit and are secured by way of the Trustor's assumption of joint liability,</li> </ul> <p>In addition, this definition shall include the former employees of KGaA when and if they are transferred to the Trustor in the course of the Operational Hive-down pursuant to the Operational Hive-down Agreement and have existing time account entitlements.</p>                                     |
| Plan asset    | An asset classified as a plan asset within the meaning of IAS 19.7 or FAS 87 (only if and to the extent that US GAAP is used for reporting)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Insured Event | <p>An Insured Event occurs:</p> <ul style="list-style-type: none"> <li>- when insolvency proceedings are initiated in regard to the assets of one of the Trustors,</li> <li>- when insolvency proceedings are rejected in regard to the assets of one of the Trustors due to the lack of assets,</li> <li>- upon complete termination of operating activities of one of the Trustors if an application to initiate insolvency proceedings has not been made and it is clear that there will be no insolvency proceedings due to the lack of assets; in this case in order to establish an Insured Event it is necessary to provide an auditor/attorney's expert opinion to the Company Trustee certifying the Trustor's over-indebtedness under Sec. 17 <i>InsO</i> or excessive debt under Sec. 19 <i>InsO</i> as evidence,</li> <li>- if one of the claims due to the Employees derived from agreements on time accounts is not paid by one of the Trustors even though the claims are uncontested or a final and non-</li> </ul> |

appealable decision has been made about such claims and three months have passed after this decision became final and non-appealable (hereinafter a “**non-performance event**”).

In the event that the Time Account Entitlements exist vis-à-vis KGaA as the Employee's employer, the provisions regarding the Occurrence of the Insured Event shall be subject to the fact that the aforementioned circumstances triggering the Insured Event occur at KGaA. To this extent, KGaA shall replace the Trustor for the purpose of the provisions in § 12 (2) and § 17 (2). To the extent that the Time Account Entitlements are exclusively brought forward against the Trustor as the employer, the above-described circumstances of an Insured Event must have occurred at the Trustor.

UmwG German Reorganization Act

US GAAP U.S. Generally Accepted Accounting Principles

Time account An employee's time account [*Wertguthaben*] within the meaning of Sec. 7 (1) a and Sec. 7 b *SGB IV* in his/her lifetime labor time account set up under the Time Account Agreement; under Sec. 7 d (1) *SGB IV*, time accounts consist of employment compensation, including the Employer Portion to the Total Social Security Contribution due on such compensation. They also include premiums for voluntary insurance policies and professional benefits and welfare institutions. Employment compensation includes all amounts credited to the long-term time account of an employee that are due or have become vested.

## § 2 Scope

- (1) When this Agreement is entered into, KGaA shall represent the Trustors. KGaA shall be authorized to represent the Trustors in entering into this Agreement and shall immediately provide the Company Trustee and the Employee Trustee with documentation of its authorization to represent them if asked to do so. New trustors shall be included by adding them to a separate annex by mutual consent; s. 2 shall apply *mutatis mutandis*. This Agreement is considered a stand-alone agreement for each of the Trustors. The Parties approve and acknowledge the expert report of KPMG Wirtschaftsprüfungsgesellschaft dated February 26, 2018 and agree that this Agreement constitutes an equivalent security for the Employees within the meaning of § 5 (3) of the Trust Agreement entered into by KGaA, the Company Trustee, and the Employee Trustee on August 8, 2014.
- (2) This Agreement applies to the Trustors, the Company Trustee, the Employee Trustee, and the Employees insofar as they have Time Account Entitlements derived from the Time Account Agreement. The rights and obligations of the Parties are based on this Agreement and its annexes.
- (3) The Employee Trustee shall enter into a securing agreement with the Company Trustee under § 5 (1) of this Agreement as a representative for the Employees and shall perform the tasks assigned by this Agreement. Immediately after this Agreement is entered into, the Trustor shall ensure that the Employees are informed immediately about the fact that they are represented by the Employee Trustee and about the Employee Trustee's performances under this Agreement, the major cornerstones of

the securing agreement, the handling costs that the Company Trustee incurs in the event of an Insured Event or a non-performance event and about any changes to this Agreement, particularly the securing agreement in § 5 (1); a Trustor may upon request also ask the Employees in text form for their express consent to be represented by the Employee Trustee.

The Trustor also undertakes to inform Employees regularly about the progress of their time account entitlements, referring to what the Employee Trustee is doing. The Trustor shall provide evidence to the Employee Trustee that the information required in the s. 2 and 3 of this paragraph is being provided. Evidence pursuant to s. 3 shall – inter alia – be deemed as provided by the Trustor if the Trustor confirms to the Employee Trustee that they have forwarded the account statements provided by the Employee Trustee to the Employees. That shall apply even if the Trustor does not grant Employees the right to participate in the Time Account Agreement until after this Agreement is in effect.

- (4) Employees who do not acquire Time Account Entitlements from the Trustor until after the conclusion of this Agreement are subject to this Agreement without any further action being required. However, this shall only apply if the Time Account Entitlements in question are qualified as Time Account Entitlements within the meaning of this Agreement based on the Time Account Agreement and the Trustor does not exercise its right under § 18 (1) in this regard. In addition, adding new Time Account Agreements not previously covered by this Agreement shall be permitted. A prerequisite for adding new Time Account Agreements is the written mutually-agreed addendum to this Agreement between the Trustor, the Company Trustee, and the Employee Trustee along with a complete funding of these Time Account Agreements.
- (5) Furthermore, the Trustor agrees to notify the Company Trustee and the Employee Trustee upon the Assumption Of Joint Liability becoming effective about the Employees being subject to the Assumptions Of Joint Liability and shall provide the Company Trustee and the Employee Trustee with corresponding legal bases and substantiating evidence or notify them how the corresponding documents can be accessed (e.g. providing an Internet link); the same shall apply to Employees hired by KGaA in the respective Operating Unit during the term of the Business Lease and secured based on the Trustor's Assumption Of Joint Liability. In addition, the Trustor agrees to notify the Company Trustee and the Employee Trustee promptly about changes in the content of the Business Lease and Assumption Of Joint Liability, in particular about any changes in full securing of the Time Account Entitlements and the termination of the Assumption Of Joint Liability for Employees and, for this purpose, provide the corresponding documentation upon the request of the Company Trustee and the Employee Trustee.

### § 3

#### **Double trust (*doppelseitige Treuhand*)**

- (1) When this Agreement is entered into, a two-way trust is established in which the Company Trustee is bound under trust law to the Trustor and to the Employees and the Employee Trustee based on the provisions below.
- (2) The assets required to meet the obligations derived from the Trustor's Time Account Agreement must be transferred by the Trustor to the Company Trustee as indicated in this Agreement. Transferred assets shall be maintained and invested by the Company Trustee as Trust Assets to meet the Trustor's obligations derived from the Time Account Agreement and segregated from its own assets

- for the Trustor and
  - for the Employees via the Employee Trustee as per the Earmarking.
- (3) The Company Trustee shall have the right to conduct and complete the functions and obligations given to them by contract. In addition, the Company Trustee undertakes to perform any requirements that the Federal Financial Supervisory Authority may impose upon them to accept trust functions under contracts to the largest extent possible. Should the Company Trustee not be in a position to meet individual requirements, it shall make efforts to have the function and legal status of the Trustee under the contracts assumed without detriment or additional costs to the Trustor, the Employee Trustee, or the Employees by a suitable third party equipped with the individual requirements (such as capital investment companies (*Kapitalanlagegesellschaften*) within the meaning of the German Investment Act or financial services institutions (*Finanzdienstleistungsinstitute* in the meaning of the German Banking Act) which will ensure that the tasks of the previous Trustee are continued (hereinafter “**Suitable Third Party**”).

#### § 4

##### **Administrative trust**

- (1) This Agreement establishes a trust relationship (hereinafter “**administrative trust**”) between the Trustor and the Company Trustee.
- (2) The Company Trustee may use the assistance of the Employee Trustee or of third parties in their duties.

#### § 5

##### **Securing agreement/securing trust/actual third-party beneficiary contract**

- (1) This Agreement establishes an additional trust relationship between the Company Trustee and the Employees represented by the Employee Trustee (hereinafter “securing agreement”). The Employees may only exercise the rights derived from the securing agreement through the Employee Trustee. The securing agreement shall secure and meet the Time Account Entitlements of the Employees with the assistance of the Company Trustee, who will take over the processing of subledgers in an Insured Event or non-performance event after deducting the costs incurred (security purpose statement).
- (2) In addition to the agreement for a securing agreement under para. (1) and the administrative trust under § 4 (1), the Trustor and the Company Trustee stipulate that the Company Trustee shall maintain the Trust Assets as per this Agreement not only as the administrative trustee for the Trustor, but also as the securing trustee for each Employee under the specific provisions of this Agreement (hereinafter “securing trust”). The Employees acquire their own right from the securing trust to demand that the Company Trustee act in the interest of securing Time Account Entitlements under the provisions of this Agreement. In an Insured Event, each Employee may demand that the Company Trustee liquidate and disburse the Trust Assets (including payment of taxes and fees to the fiscal authorities required by law and to social insurance carriers) after deducting reasonable handling costs incurred by the Company Trustee in Insured Events or non-performance events and demand additional steps under this Agreement (a genuine entitling third-party beneficiary contract [*echter berechtigender*

*Vertrag zugunsten Dritter*] within the meaning of Sec. 328 *BGB*). The securing trust relationship is based directly on entering into this Agreement and does not depend on the existence of the administrative trust. However, the associated rights cannot be exercised by the Employees under the provisions established for that contingency in this Agreement until there is an Insured Event. The various responsible collecting offices for the social insurance carriers also obtain their own right from the securing trust to demand that the Company Trustee transfers the total employer's social security contribution (*Gesamtsozialversicherungsbeitrag*) attributable to the relevant Employee subledger if there is an Insured Event (genuine entitling third-party beneficiary contract as defined by Sec. 328 *BGB*).

- (3) The securing trust relationship and the securing agreement may only be revoked by the Trustor without the consent of the Employee involved if it is being revoked to set up another security that is at least equivalent. A security is considered equivalent if
  - (i) it secures the interests of the Employees in the assets to an economically comparable extent as the Contractual Collateral does, and
  - (ii) the protection it provides to Employees against access by a Trustor as a party owing the Time Account Entitlements to assets used to secure the Time Account Entitlements qualitatively meets the requirements that must be met under HGB, IAS, or FAS 87 (only if and to the extent that US GAAP is used for reporting) for assets to be qualified as plan assets (hereinafter "**Equivalent Security**"). The equivalence of the security under § 5 (3) must be substantiated by an audit certificate from the Trustor's auditor. The Trustor as well as the Company Trustee and the Employee Trustee are not obligated to review the auditor's audit certificate; they may rely on the certificate.
- (4) In meeting its obligations under this Agreement, the Employee Trustee may avail itself of the assistance of third parties if the netting capability under Sec. 246 (2) *HGB* and the plan asset classification pursuant to IAS 19.7 or FAS 87 (only if and to the extent that US GAAP is used for reporting) as amended are maintained.

## § 6

### Trust Assets/transfer of assets to the Company Trustee

- (1) The Trustor or a party designated by the Trustor shall transfer funds to the Company Trustee on the Escrow Account indicated in § 7 (2) or place other assets in the Escrow Securities Account indicated in § 7 (2), the funds or assets which are intended for external coverage and security of the Time Account Entitlements and entitlements to payment of the **Employer Portion to the Total Social Security Contribution** due on the time accounts. The amount of assets to be transferred by the Trustor corresponds to the Compensation Components for Employees included in the time accounts under the Time Account Agreement in effect with the Trustor, including the employer contributions to the total social security premium due thereon or accrued. These assets must be transferred immediately after this Agreement is entered into or - for future agreements - immediately after the Compensation Components for Employees under the Time Account Agreement in question are added. Neither the Company Trustee nor the Employee Trustee have an obligation to verify whether the Trustor's obligations under this paragraph have been met.
- (2) The assets transferred to the Company Trustee pursuant to para. (1) above, including assets derived therefrom (which includes the return therefrom), shall meet the Trustor's obligations derived from the Time Account Agreement and form the trust assets (hereinafter referred to as "**Trust Assets**"). The Company Trustee shall

become the legal owner of the Trust Assets.

- (3) The Company Trustee shall allocate the Trust Assets transferred to the Company Trustee to the Employees on a prorated basis pursuant to s. 2 of para. (1) to cover the respective Employee's individual time accounts, including the employer contributions to the total social security premium due thereon. The Company Trustee may either make such allocation themselves based on instructions from the Trustor or commission third parties or the Employee Trustee to do so. The value of the Trust Assets assigned on a prorated basis to the individual Employees shall be recorded in a virtual account hereinafter referred to as a "**Subledger**." Any appreciation or impairment losses incurred for the Trust Assets (including any impairment losses arising from costs incurred for the administration and investment of the Trust Assets under the Time Account Agreement, and, if any, taking into account an entitlement of the Company Trustee for settlement under § 13 (2) of this Agreement) shall be taken into account in determining the value of the Subledger.

The Trustor or a service provider engaged by the Trustor or the Employee Trustee shall provide the most recent data and information needed for accounting classification and assignment of the Trust Assets to the Company Trustee if the Company Trustee itself does not have the data and information. The data and information may also be provided by having the Trustor arrange an opportunity for the Company Trustee or the Employee Trustee to review the associated current data. Accounting classification and assignment of the Trust Assets does not result in an entitlement for individual Employees to use the proportionate Trust Assets assigned to them in any way.

- (4) The Contractual Collateral and all payment obligations of the Company Trustee shall in each case be limited to the Trust Assets held for the Trustor by the Company Trustee and in an Insured Event to the Coverage Assets (as defined in § 13 (3)).
- (5) The Trust Assets are subject to the Earmarking as per the Preamble and may only be disbursed under the terms and conditions specified in this Agreement.

## § 7

### Accounting groups/investment of Trust Assets

- (1) The Trust Assets shall be maintained and administered in different accounting groups as shown in **Annex 1**, segregated from other Trust Assets and the Company Trustee's own assets. If the Company Trustee maintains multiple accounting groups for the Trustor, the funds from one accounting group may not be used to cover another one; the provisions of this Agreement shall be applied separately to each accounting group.
- (2) For the execution of this Agreement the Company Trustee shall set up an account managed as an open Escrow Account for the Trustor (hereinafter "**Escrow Account**") and an escrow securities account managed for the Trustor as an open escrow securities account (hereinafter "**Escrow Securities Account**"). Assets shall be transferred pursuant to § 6 (1) by the Trustor transferring funds to the Escrow Account and/or securities to the Escrow Securities Account. The Company Trustee shall invest the funds and securities it receives from the Trustor in securities based on the Investment Guidelines (§ 8) as quickly as possible. If there are major shifts in the Trust Assets, market disruptions, or a liquidation of the Trust Assets in an Insured Event as specified in § 13 (1) and a cash deposit is made to the Escrow Account, the Company Trustee undertakes to immediately acquire securities as indicated in the Investment Guidelines (§ 8 (1)) or open an account at a third-party bank which will be managed at such bank as an open Escrow Account for the benefit of the Trustor.

- (3) If under a separate agreement with a Suitable Third Party as per § 3 (3) and consistent with an works agreement binding the Trustor, the Company Trustee is obligated to pay a supplement to the Suitable Third Party as administrative overhead, the Company Trustee may withdraw such supplement from the Trust Assets and pay them to the Suitable Third Party. The Company Trustee shall report regularly and upon request to the Trustor about changes in the Trust Assets over time. The Company Trustee shall provide the Trustor and other representatives designated by the Trustor, particularly the Trustor's auditors and any agencies having oversight of the Trustor, with access to the documents about the Trust Assets at any time.
- (4) The Company Trustee and the Employee Trustee shall conduct other administrative actions in connection with the Trust Assets - if necessary - based on a separate business procurement agreement and a service agreement, attached as **Annexes 2** and **3** of this Agreement.

## § 8

### Investment Committee/investment strategy

- (1) The general investment strategy for Trust Assets is determined by a Trustor Investment Committee and set forth in writing (hereinafter Investment Guidelines) and reported in writing to the Company Trustee. The Company Trustee shall not provide advice on investing Trust Assets. It therefore shall not assume any liability for the determination or success of the investment strategy. The Company Trustee shall commission Suitable Third Parties to invest the Trust Assets in accordance with the Investment Guidelines.
- (2) The Investment Committee shall be appointed and dismissed by the Trustor. The Trustor shall inform the Company Trustee in writing about the members of the Investment Committee. No Employees, board members, or other representatives of the Company Trustee may be appointed as members of the Investment Committee. The Company Trustee shall be authorized to participate in meetings of the Investment Committee and to report to them about changes in the Trust Assets over time.
- (3) All of the powers of the Investment Committee under this Agreement shall expire if an Insured Event occurs.

## § 9

### Required review

- (1) The Trustor shall review annually whether the Trust Assets in the accounting groups are sufficient to meet the Time Account Obligations indicated in HGB, IAS 19, or FAS 87 (only if and to the extent that US GAAP is used for reporting) as amended with the Trust Assets (hereinafter "**Required Review**"). In addition to the Required Reviews, special audits of the Trust Assets shall be performed if the Investment Committee or the Employee Trustee requests such audits. The costs of the audit will be borne by the respective party requesting the audit. If Time Account Entitlements are excluded from the scope of this Agreement by a unilateral statement from the Trustor under § 18 (1) (whether in full or in part), such entitlements shall not be taken into account in computing the Time Account Obligations to be secured.
- (2) The results of the audits pursuant to para. (1) shall be reported to the Company Trustee, the Trustor, and the Employee Trustee in writing in a timely manner, and the entity requesting the audit shall be responsible for providing such report. If the audit was initiated by the Investment Committee, the Trustor shall be responsible for providing the report.



- (3) If an audit conducted pursuant to para. (1) indicates that the Trust Assets are insufficient to meet all of the Trustor's Time Account Obligations, including the entitlements of the Company Trustee and the Employee Trustee for compensation, the Trustor shall be obliged to transfer assets as soon as possible in an amount sufficient for the Trust Assets to again suffice to meet all of the Trustor's Time Account Obligations, including the entitlements of the Company Trustee and the Employee Trustee for compensation.
- (4) The Company Trustee and the Employee Trustee shall not have any obligations beyond providing written report of the audit results as indicated in para. (2) and other obligations set forth in this Agreement; in particular, they shall have no obligation to undertake to refinance or arrange for the refinancing of the Trustor if they find any deficits or to inform the Employees about any deficits.

## § 10

### Disbursement of Trust Assets prior to an Insured Event

- (1) The Company Trustee may only disburse Trust Assets in the context of the Earmarking or in the event specified in § 7 (3). Prior to an Insured Event, the recipient of a payment shall be the Trustor or—in the case specified in § 7 (3)—the Tuitable Third Party. Funds already disbursed by the Trustor for Earmarked purposes shall be disbursed *monthly* in arrears. The disbursement shall equal the nominal amount paid - limited to the value of the Subledger for the Employee in question (and overall limited to the value of the Trust Assets) needed by the Employee Trustee to meet Time Account Entitlements for the Employee in question or for which there is evidence that it was spend by the Trustor to meet a claim of the Employee in question.
- (2) If a disbursement is made under this paragraph, the value of the Subledger for the Employee in question shall be reduced accordingly and the Company Trustee shall be released to this extent. The disbursement of Trust Assets to the Trustor for reimbursement purposes also includes settling reimbursement payments made by the Trustor to third parties, particularly KGaA, due to the Assumption Of Joint Liability if and to the extent that the third party has provided services to meet time account entitlements.
- (3) The use of Trust Assets disbursed for a purpose or payment in cases specified in § 7 (3) as per para. (1) shall be reported in writing promptly, with evidence being presented to the Company Trustee and the Employee Trustee; the Trustor must demonstrate to the Company Trustee that it has already disbursed sums in the amount of the reimbursement for Earmarked purposes prior to the disbursement. The evidence required under s. 1 shall be provided on an interim basis in accordance with the plausibility checks to be agreed on separately between the Trustor, the Company Trustee, and the Employee Trustee. Once a year, after the compilation of the Trustor's financial statements for which an independent auditor's opinion is granted, documentation must be provided to the Company Trustee and the Employee Trustee in respect of the amounts advanced by the Trustor to meet the Time Account Entitlements by providing appropriate documents (such as a excerpt from the wage account certified by the Trustor's auditor) that, from the point of view of the Company Trustee and the Employee Trustee, show the Trustor's payments made during the relevant calendar year to meet Time Account Entitlements as per this Agreement. The Employee Trustee may enter into an agreement with the Company Trustee and the Trustor on further audit procedures in writing; such written agreement shall become an integral part of this Agreement.

- (4) Notwithstanding the cases governed by para. (1) and (2) above (reimbursement), the Trustor may demand that the Company Trustee retransfers Trust Assets if accounting provisions in HGB, IAS 19.7, or FAS 87 (only if and to the extent that US GAAP is used for reporting) as amended govern the retransfer of Trust Assets without endangering the purpose indicated in the Preamble and, in particular, the qualification of the (remaining) Trust Assets as plan assets and the offset capability under Sec. 246 (2) *HGB*. The relevant time for the corresponding determination is the time of the retransfer. To this extent, the Company Trustee shall be discharged from its obligations if assets are retransferred.
- (5) The decision of which assets are to be retransferred to the Trustor by the Company Trustee in a case specified in § 10 shall be based on the written recommendation of the Trustor or the Company Trustee's Investment Committee with the involvement of third parties engaged to render administration services.
- (6) Substantiating evidence for the permissibility/legality of disbursing Trust Assets pursuant to § 10 shall be provided in the form of an audit certificate by the Trustor's auditor. The Company Trustee is not obliged to review the auditor's audit certificate; it may rely on the certificate.

## § 11

### Transfer of undertaking

- (1) If an undertaking or a part of an undertaking is transferred by the Trustor to another owner as set forth in Sec. 613a *BGB* in a legal transaction prior to an Insured Event as the result of a singular succession or based on steps taken in accordance with the *UmwG*, the total amount of the Time Account Entitlements to be secured under this Agreement shall be reduced to the extent that the entitlements for services derived from the Time Account Agreement previously qualified as Time Account Entitlements as defined by this Agreement would no longer fall within the scope of this Agreement. The same applies if Time Account Obligations to the Trustor's Employees who have left the Company are transferred to another company prior to an Insured Event with the effect of discharging the Trustor by way of a split (including hive-down) under *UmwG*. The preceding s. 1 and 2 of this paragraph shall not apply to the extent and insofar as the Trustor is not discharged from its liability for the Time Account Entitlements due to the Assumption Of Joint Liability. In this case, in particular the Securing Trust (§ 5 (2)) shall remain effective. The provisions in the last paragraph of § 1 regarding the definition of the Insured Event shall apply.
- (2) If an undertaking or a part thereof as specified in para. (1) is transferred to another affiliated company (transfer of an undertaking or part thereof within the Group) and if no case specified in para. (1) s. 3 exists, the Trustor must request that the Company Trustee makes the part of the Trust Assets corresponding to the portion of the Time Account Obligations being transferred to the new owner of the operation or receiving entity in regard to all the Time Account Obligations previously secured by this Agreement available to set up security equivalent to that previously set up by this Agreement for the Time Account Obligations being transferred to the owner of the undertaking or receiving entity. A prerequisite for the transfer of Trust Assets thus performed is that the new owner of the operation or receiving entity provide evidence to the Trustor or the Company Trustee that the aforementioned Equivalent Security would be established at the time of transfer of assets.
- (3) If an undertaking or a part thereof is transferred to a non-affiliated company as per para. (1) herein (transfer of an undertaking or part thereof outside the Group), the

Trustor may demand from the Company Trustee that the portion of the Trust Assets corresponding to the portion of the Time Account Obligations being transferred to the new owner of the operation or receiving entity in regard to all the Time Account Obligations previously secured by this Agreement be made available to set up a security equivalent to that previously set up by this Agreement for the Time Account Obligations being transferred to the new owner of the undertaking or receiving entity. A prerequisite for the transfer of Trust Assets thus performed is that the new owner of the operation or receiving entity provide evidence to the Trustor or the Company Trustee that the aforementioned Equivalent Security would be established at the time of transfer of assets.

- (4) The decision of which specific assets are to be transferred by the Company Trustee in a case indicated in para. (2) and (3) to the new owner of the operation / receiving entity shall be based on the written recommendation of the Trustor or the Company Trustee's Investment Committee with the involvement of third parties engaged for administration purposes, taking into account the claims due and the associated time accounts of the Employee affected.
- (5) This is without prejudice to the provisions in § 10 (3) of this Agreement (the capability of transferring Trust Assets if the accounting standards allow such transfer without endangering the purpose indicated in the Preamble and, in particular, the qualification of the remaining Trust Assets as plan assets) even if there is a transfer of undertaking (or a part thereof) within the meaning of Sec. 613a *BGB* or if Time Account Obligations for Employees separated based on *UmwG* are transferred.

## § 12

### Disbursement of Trust Assets in an Insured Event/non-performance event

- (1) In an Insured Event, the Company Trustee is obligated to use the Trust Assets as indicated in the Earmarking. The exact extent and the specifics of meeting the Time Account Entitlements are governed by § 13. The recipients of the payment shall be the Employees. After an Insured Event occurs, the Trustor shall not have the right to demand payments or other performance from the Trust Assets.
- (2) If a non-performance event occurs, the Company Trustee shall make payments from the Trust Assets deviating from the provisions in § 13 on handling payments in the amount of payment obligations that are uncontested or have become final and non-appealable until payments are again made by the Trustor. If a payment is made under this paragraph, the value of the Subledger for the Employee in question shall be reduced accordingly. Disbursements by the Company Trustee for a non-performance event shall cease when the Time Account Entitlements are eliminated or met; if an Insured Event occurs after a non-performance event, payments shall be made pursuant to the provisions relating to the Insured Event.

## § 13

### Securing claims in an Insured Event

- (1) If an Insured Event occurs, the Trust Assets shall be sold and disbursed in accordance with the Earmarking within a reasonable period as indicated below. If an Insured Event occurs, the Company Trustee shall be authorized, but not obliged, to invest the Trust Assets in money market funds or other liquid investments, either in full or in part. The Company Trustee shall be authorized, but not obliged, to liquidate the Trust Assets, either in full or in part, if doing so is necessary to satisfy Time Account Entitlements that exist at the time the Insured Event occurs.

- (2) If the Company Trustee is responsible for the handling under the provisions in this Agreement when an Insured Event occurs, it shall be authorized to satisfy the entitlement for compensation under § 14 as well as reasonable handling costs from the Trust Assets or to take the corresponding funds from the Trust Assets. The Company Trustee is authorized to avail itself of the assistance of the Employee Trustee or of one or more suitable dispatchers to meet its obligations if there is an Insured Event. Any reasonable costs incurred by using the Employee Trustee or one of the facilitators or by any escrow set up in an Insured Event pursuant to para. (6) must be withdrawn from the Trust Assets. The Employee Trustee agrees to ask the Company Trustee only for the reasonable and verifiable costs it has incurred.
- (3) If there is an Insured Event, the Company Trustee must liquidate in a timely manner the Trust Assets to meet the Time Account Entitlements of Employees up to the Trust Assets attributed in the accounting to the Employee in question, deducting the costs it incurs for its activities handling the transactions under § 13 (2) and pay the income tax and social security contributions required by law from the proceeds (if any such sums must be paid for the Beneficiaries concerned) and other fees to the fiscal authority having jurisdiction or the collecting agency having jurisdiction or order to later pay each Employee the value of his/her Subledger reduced by wage tax and any Employee contribution to the total social security contribution and any other fees (hereinafter "**Coverage Assets**") as required by the provisions in this Agreement as a one-time payment to the Employee unless there may be a transfer of the Time Account Entitlements within the period provided by law. The mathematical portion of the Trust Assets that applies to the individual Time Account Entitlements is based on the Subledgers of the various Employees. The entitlement of each Employee shall be limited to the value of his/her Subledger after the Company Trustee has provided written notification that an Insured Event has occurred and the subsequent liquidation of the Trust Assets, and overall the entitlements of the Employees are limited to the value of the Trust Assets.

Until the Trust Assets are liquidated, the Employees shall have no claims due. There is no Employee entitlement or Company Trustee obligation to use more than the portion of the Trust Assets attributable to the Employee to meet the Time Account Entitlements of the Employee in question. If the value of the Subledger is insufficient to meet the Time Account Entitlements of the Employee in question, the Company Trustee is not authorized to pay this deficit by withdrawing it from the Subledgers of other Employees and is not obligated to balance a deficit in any other way. The Trustor shall have the burden of proof to show when the Company Trustee provided written notification that the Insured Event occurred.

- (4) If an Insured Event occurs, the Trustor or a service provider engaged by the Trustor shall provide the Company Trustee with an updated list of Employees at the time the Insured Event occurred and the amounts of each individual time accounts as well as the Time Account Entitlements of the Employees derived therefrom and shall do so in a timely manner following the Trustor's instructions. If the Trustor or the service provider engaged by the Trustor fails to provide this information to the Company Trustee, the Company Trustee shall use the most recent data record provided by the Trustor or the service provider engaged by the Trustor for the segmentation and handling of the data.
- (5) The fees imposed by law on the Employees (particularly taxes and social insurance contributions) for payment to Employees shall be borne by the Employees.
- (6) If payments are made under the provisions above or the Company Trustee places the Coverage Assets in escrow under the German Civil Code, the Company Trustee shall

be discharged from its obligations to make payment to the Employees affected.

- (7) In the context of assertion of the Employees' securing rights, the Employees must provide broad support to the Company Trustee and the Employee Trustee in performing the tasks they have been given and to do everything that is needed on their part to implement the purpose of the securing arrangement and to refrain from doing anything that could prevent, delay or endanger it. The Employees are not authorized to issue instructions about the specifics of sale and payment of the Trust Assets in an Insured Event. If an Employee fails to provide the necessary cooperation, the Company Trustee shall have the right to refuse service to this Employee until the necessary cooperation is provided.

## § 14

### Compensation

- (1) The Company Trustee shall receive compensation for providing services under this Agreement as indicated in **Annex 4** of this Agreement.
- (2) The Employee Trustee shall receive compensation for providing services under this Agreement and a separate agreement about this compensation shall be entered into after this Agreement is signed. After this separate agreement has been signed it shall be included as **Annex 5** of this Agreement.

## § 15

### Data privacy / confidentiality

- (1) If personal information of Employees is automatically processed by one of the Parties in connection with administering the Contractual Collateral and that Party needs this information to meet its obligations arising from this Agreement, the office responsible shall be bound to the provisions of the German Federal Data Protection and Privacy Act and obligated to handle the data confidentially. The agreements on contract data processing required under the German Federal Data Protection Act (*Bundesdatenschutzgesetz – BDSG*) and the General Data Protection Regulations (*Datenschutz-Grundverordnung – DSGVO*) shall be entered into separately.
- (2) The Parties are obliged to handle all information and information that they obtain in connection with performance of this Agreement confidentially. This obligation is not limited in time and applies even if this Agreement ends for any reason.

## § 16

### Liability

- (1) In implementing this Agreement, particularly in actions in an Insured Event, the Company Trustee and the Employee Trustee shall be liable for any fault of their own or that of their bodies, Employees and vicarious agents if material contractual obligations are breached. Material contractual obligations means those obligations needed to meet the purpose of the contract. These include in particular the Trustees' obligations to administer and invest the assets entrusted to them in the interests of the Trustor/Employee and to use them only within the constraints in the trust.
- (2) For actions or failure to act pertaining to other contractual obligations (or ancillary obligations), liability is limited to intent and gross negligence.
- (3) To the extent the law allows, liability is limited to typically foreseeable damage. Damage is typically foreseeable if the injuring party was aware of the possible

consequence of their breach of contract at the time the contract was entered into or could have foreseen it based on the circumstances of which it was aware or of which it should have been aware.

- (4) Otherwise, liability is excluded. The Company Trustee and the Employee Trustee shall not be liable for the success of investment of the Trust Assets or for reaching any aspirational goals for investment or return.

## **§ 17**

### **Term / termination or contract revocation**

- (1) This Trust Agreement is concluded for an indefinite period. It will end automatically without requiring specific termination if the Trustor no longer has any Employees or former Employees or heirs of such people to whom it has obligations to provide Contractual Collateral, all of the Time Account Entitlements of all of the Employees have been met in full, and these statements have been documented to the Company Trustee and the Employee Trustee in an auditor's report from the Trustor's auditor. Employee Trustees and Company Trustees are not obliged to review the content of the audit certificate from the auditor.
- (2) Regular termination and mutually-agreed revocation of this Agreement shall only be permitted as indicated below. The right to terminate the Trust Agreement for due cause shall remain unaffected with it being understood that the Trustor incurring an Insured Event is not considered due cause.
- (3) Regular termination by the Trustor at the end of the calendar year giving 6-month notice shall only be permitted if the Trustor or a third party designated by the Trustor provides Equivalent Security in regard to the time account entitlements. For this purpose, an expert opinion from a law firm with experience in insolvency law or an auditing company shall be required, and the content of such opinion does not have to be reviewed by the Company Trustee or the Employee Trustee.
- (4) The Company Trustee may terminate this Agreement, giving 6-month notice and, if they do so, must propose a successor company trustee with sufficient credentials who is prepared to continue the trust and will provide Equivalent Security.
- (5) If the Trust Agreement is terminated, the Company Trustee shall transfer the Trust Assets to the successor company trustee no later than by the expiration date of the Trust Agreement.
- (6) If, in the event of a termination of this agreement, a transfer to a successor trustee is not feasible, the Company Trustee may deposit the Trust Assets with the lower court in whose district the Trustor's registered office is situated for the benefit of the Trustor and the Employees or may choose a comparable solution with Equivalent Security.
- (7) The effectiveness of this Agreement shall be subject to the condition precedent that the Operational Hive-down is registered in the Commercial Register of KGaA.

## **§ 18**

### **Amendments to the Agreement**

- (1) The Trustor shall be authorized to exclude from this Agreement, either in full or in part, those Time Account Entitlements that do not arise until after an reference date to be determined by the Trustor that is not in the past at the time the declaration is made

using a unilateral written declaration to the Company Trustee and customary notice to the Employees in question. Time Account Entitlements and parts thereof arising up to this reference date or were earned from past service as specified by the IFRS, shall remain unaffected if the Trustor exercises the right indicated in sentence 1.

- (2) Contract amendments that do not affect the Employees' security interests, particularly those that merely serve the purpose of changing the technical procedures on the content, rectify omissions, or merely clarify issues based on the common interests of the Trustor, the Company Trustee, and the Employee Trustee when this Agreement was entered into, shall be negotiated by the Trustor, the Company Trustee, and the Employee Trustee without any consent from the Employees being required. This also applies to contract amendments that result in an Equivalent Security for Employees (even if the former insolvency security is revoked) or in an Equivalent Security after this Agreement has been terminated as per § 17. In case of all of these amendments, Equivalent Security must be provided for the Trust Assets.
- (3) If netting the liability for Time Account Obligations reflected in the Consolidated Financial Statements and the Time Account Entitlements (plan assets)—as described in the Preamble—is not or no longer feasible, the Trustor shall have the right to require the Company Trustee and the Employee Trustee to adjust the Trust Agreement and change the Trust Agreement to indicate that netting is permitted, even without the Employees' consent, if the Employees' security interests are not affected and Equivalent Security is provided even after the Agreement is adjusted. In this regard, the Parties undertake to work toward a mutually-agreeable adjustment of the Agreement.
- (4) If an adjustment of this Agreement is needed due to administrative or operational requirements, requirements imposed by law or regulators, or due to revised or new case law, the Trustor, the Company Trustee, and the Employee Trustee shall be authorized to adjust the Trust Agreement accordingly if the security interests of the Employees are not affected and Equivalent Security is provided after the modification of the Agreement. In this regard, the Parties undertake to work toward a mutually-agreeable adjustment of the Agreement.
- (5) Changes to this Agreement that are only favorable for the Employees do not require their approval.
- (6) **Annexes 2 and 3** to this Agreement may be amended using the procedures set forth in those annexes.

## § 19

### **Non-assignment, annexes, written form**

- (1) No claims arising from this Agreement may be assigned.
- (2) All annexes to this Agreement are integral parts hereof.
- (3) Amendments to this Agreement, including this clause, must be in writing and - subject to the provisions set forth in § 18 - shall require the consent of the Trustor, the Company Trustee, and the Employee Trustee. The written form requirement shall also apply to any revocation of the written form requirement.

**§ 20****Final provisions**

- (1) The term of this Trust Agreement shall commence upon execution of this Trust Agreement.
- (2) If a provision in this Agreement is or becomes unenforceable, remaining provisions shall remain unaffected. The Parties shall agree on an enforceable provision to replace the unenforceable provision coming as close as possible to the economic content of the unenforceable provision. The same shall apply in the event of any omissions.
- (3) This Trust Agreement shall exclusively be governed by the laws of the Federal Republic of Germany. To the extent legally permitted, all disputes arising from or relating to this Agreement shall be subject to the exclusive jurisdiction of the courts of Frankfurt am Main.

Annex 1: List of accounting groups

Annex 2: Business Procurement Agreement

Annex 3: Service Agreement

Annex 4: Compensation provisions for the Company Trustee

Annex 5: Compensation provisions for the Employee Trustee

Of this Deed,

- each Party shall receive a certified copy.

Any and all costs relating to this Deed and its execution shall be borne by Merck KGaA, Darmstadt, Germany.

This transcript was read aloud to the persons who appeared before the notary public, including Annexes 1, 2, 3, 4, and 5, approved by them, and personally signed by them and the notary public as follows:

[Signatures]



**Annex 1 to the Trust Agreement to secure corporate time accounts**  
**(“Trust Agreement”)**  
**List of accounting groups**

The Company Trustee shall administer the Trust Assets in various accounting groups pursuant to § 7 (1) of the Trust Agreement with the following designations each for the participating entities

1. Merck Healthcare Germany GmbH, Darmstadt, Germany,
2. Merck Life Science Germany GmbH, Darmstadt, Germany,
3. Merck Performance Materials Germany GmbH, Darmstadt, Germany

[Signatures]

**Annex 2 to the Trust Agreement**  
**Management Agreement**  
**to secure corporate time accounts**

by and between

Merck Healthcare Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64293 Darmstadt  
- hereinafter referred to as “**HC OpCo**” - ,

Merck Life Science Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64293 Darmstadt  
- hereinafter referred to as “**LS OpCo**” - ,

Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
Frankfurter Straße 250  
64293 Darmstadt  
- hereinafter referred to as “**PM OpCo**” -

each represented by

Merck KGaA, Darmstadt, Germany  
Frankfurter Straße 250  
64293 Darmstadt  
- hereinafter referred to as “**KGaA**” -

and

Metzler Trust e.V.  
Untermainanlage 1  
60329 Frankfurt am Main  
- hereinafter referred to as “**Company Trustee**” -

## Preamble

HC OpCo, LS OpCo, and PM OpCo (hereinafter referred to individually as “**Trustor**” or collectively as “**Trustors**”), the Company Trustee, and Höchster Pensions Benefits Services GmbH, Brünigstrasse 50, 65926 Frankfurt am Main, Germany, (hereinafter referred to as “**Employee Trustee**”) are parties in the Trust Agreement which becomes effective upon signing (hereinafter referred to as “**TA**”). The TA assigns to the Company Trustee the administrative services specified in the TA. Pursuant to § 7 (4) of the TA, other administrative services shall be performed by the Company Trustee as specified in a separate business procurement agreement. The corporate time accounts are secured, *inter alia*, by way of assignment of the trust funds to the Company Trustee who holds the transferred funds in trust for the Trustor and the Trustor’s Employees. In this context, setting up and maintaining accounting groups by the Company Trustee is required in respect of the Trustor’s Trust Assets.

In detail, the following provisions shall apply to these business procurement activities by the Company Trustee:

### § 1

#### Integral part of the Trust Agreement, term

- (1) This Business Procurement Agreement forms an integral part of the TA.
- (2) This Business Procurement Agreement is entered into for the term in which the Company Trustee is appointed as company trustee under the TA. This Business Procurement Agreement expires upon termination of the TA, without a separate notice of termination or cancellation being required.
- (3) Unless otherwise specified in this Business Procurement Agreement, the provisions of the TA shall apply.
- (4) The provisions herein shall apply notwithstanding any contradictory General Terms and Conditions of the Parties which shall not apply to this contractual relationship even on a supplementary basis.

### § 2

#### Company Trustee’s business procurement services

- (1) Subject to the TA, the Company Trustee shall exclusively be obliged to render the following services to the Trustor and the employees as third-party beneficiaries of the TA:
  - a) Setting up and maintaining the legal accounting groups (Escrow/Escrow Securities Accounts).
  - b) Reporting to the Trustor on the development of the assets as set forth in the Provisions of the TA.
  - c) Accepting the Trustor’s deposits into the Trust Assets.
  - d) Arranging withdrawals from the Trust Assets.
  - e) Granting trust approvals or deny such approvals, respectively, for deposits into or withdrawals from the Trust Assets, respectively. The Company Trustee shall advise the Trustor separately about such denials and provide information on the rationale for such denial.

- f) Written report on the status of the Trustor's legal accounting groups each at the Trustor's balance sheet date (annual report); the annual report shall be provided to the Trustor or the Investment Committee upon the Trustor's request. The reporting shall be at each of the dates agreed upon with the Trustor; the dates shall be determined by the Parties of this Business Procurement Agreement in such timely manner that the Trustor's annual report is available upon compilation of the financial statements.
- g) Communication and administrative business transactions with the Employee Trustee.
- h) Execution and settlement of the security in an Insured Event or upon non-performance as specified in the TA.

For details see the administration manual.

- (2) The assignment of additional activities to the Company Trustee shall require a written addendum to the catalog of tasks under para. (1) above.

### **§ 3 Trustor's obligations**

- (1) Except in a case specified in para. (2), the Trustor shall provide the Company Trustee for the purpose of the annual review of the disbursements from the Trust Assets in the annual report (§ 2 (1) f)) the payroll account for the time accounts under the Time Account Agreement included in the Trustor's financial statements on which an unqualified auditor's opinion was granted. The payments made to employees during the exemption phase or in case of disruptions must be derived from the payroll account without any doubts. In the event that the Trustor cannot provide the substantiating evidence required under s. 1, it must provide an expert report on the changes in the payments in arrears under the Time Account Agreements in the previous year in lieu of such substantiating evidence specified in s. 1; an actuary or auditor must provide an audit certificate on such expert report. As for s. 2, approvals are only permitted to the extent that the settlement in arrears in the previous year has reduced, the amount of such decrease exceeds the total of any disbursements incurred during the year, and this retransfer of Trust Assets does not endanger the netting option under Sec. 246 (2) HGB as well as the classification as plan assets within the meaning of IAS 19.7 and FAS 87 (only if and to the extent that US GAAP is used for reporting). Substantiating evidence for meeting the prerequisites pursuant to s. 3 shall be provided in the form of an audit certificate by the Trustor's auditor. The Company Trustee is not obligated to review the auditor's audit certificate; it may rely on the certificate.
- (2) Moreover, the Trustor shall provide the Company Trustee or, in the case of § 1 (2) upon the Company Trustee's request a third party, any and all data and information required for the performance of the tasks under § 2 in a timely manner. This applies in particular in case of irregularities between the requested disbursement and the substantiating evidence provided in this regard that the Company Trustee identifies.

For details see the administration manual.

### **§ 4 Discharge from liability**

The Trustor shall be deemed to confirm proper rendering of the administration services and shall discharge the Company Trustee from its liability for such services within three months

of the receipt of the annual report unless the Trustor objects in writing.

## **§ 5 Compensation**

For the administration services rendered by the Company Trustee pursuant to § 2, the Trustor shall pay the Company Trustee the remuneration set forth in **Annex 4** to the TA.

## **§ 6 Data privacy, confidentiality**

- (1) The Parties agree to treat any and all findings and information obtained in the course of the performance of the Agreement as confidential. The non-disclosure information shall continue to apply beyond the term of the Agreement.
- (2) If personal information of the Trustor's employees is automatically collected, processed or used, respectively, in connection with the administration service rendered by the Company Trustee and such information is required to meet its obligations arising from this Business Procurement Agreement, the Company Trustee shall be bound to the provisions of the German Federal Data Protection and Privacy Act and must treat the information as confidential.

## **§ 7 Term, termination**

- (1) This Business Procurement Agreement shall become effective upon conclusion of the TA and shall be entered into for the duration of the appointment of the Company Trustee as per the TA.
- (2) The termination of this Business Procurement Agreement shall be governed by § 17 of the TA provided that, at the end of the term of the TA or upon termination of the collaboration with the Trustor under the TA, this Business Procurement Agreement expires as well, without a separate notice of termination relating to this Business Procurement Agreement being required.

## **§ 8 Liability**

The liability shall be subject to § 16 of the TA.

## **§ 9 Assignment, written form requirement, final provisions**

- (1) No claims arising from this Business Procurement Agreement may be assigned.
- (2) Amendments to this Business Procurement Agreement, including this clause, must be in writing and shall require the consent of the Trustor and the Company Trustee.
- (3) If a provision in this Business Procurement Agreement is or becomes unenforceable, remaining provisions shall remain unaffected. The Parties shall agree on an effective provision to replace the void and invalid provision coming as close as possible to the economic content of the void and invalid provision. The same shall apply in the event of any omissions.
- (4) This Business Procurement Agreement shall exclusively be governed by the laws of

the Federal Republic of Germany. To the extent legally permitted, all disputes arising from or relating to this Business Procurement Agreement shall be subject to the exclusive jurisdiction of the courts of Frankfurt am Main.

Darmstadt, on February 26, 2018

Darmstadt, on

[Signature]

[Signature]

Merck KGaA

Merck KGaA

Frankfurt am Main, on

Frankfurt am Main, on

[Signature]

[Signature]

Metzler Trust e.V.

Metzler Trust e.V.

### **Annex 3 to the Trust Agreement**

#### **Service Agreement to secure corporate time accounts**

by and between

Merck Healthcare Germany GmbH, Darmstadt, Germany,

Frankfurter Straße 250

64293 Darmstadt

- hereinafter referred to as "**HC OpCo**" -,

Merck Life Science Germany GmbH, Darmstadt, Germany,

Frankfurter Straße 250

64293 Darmstadt

- hereinafter referred to as "**LS OpCo**" -,

Merck Performance Materials Germany GmbH, Darmstadt, Germany,

Frankfurter Straße 250

64293 Darmstadt

- hereinafter referred to as "**PM OpCo**" -

each represented by

Merck KGaA, Darmstadt, Germany

Frankfurter Straße 250

64293 Darmstadt

- hereinafter referred to as "**KGaA**" -

and

HÖCHSTER PENSIONS BENEFITS SERVICES GmbH

**Brüningstrasse 50**

**65926 Frankfurt am Main**

- hereinafter referred to as "**Employee Trustee**" -

## Preamble

HC OpCo, LS OpCo, and PM OpCo (hereinafter referred to individually as “**Trustor**” or collectively as “**Trustors**”), the Employee Trustee, and Metzler Trust e.V. (hereinafter referred to as “**Company Trustee**”) are parties in the Trust Agreement which becomes effective upon signing (hereinafter referred to as “**TA**”). The TA assigns to the Employee Trustee the administrative services specified in the TA. Pursuant to § 7 (4) of the TA, other administrative services shall be performed by the Employee Trustee as specified in this Service Agreement.

As for the disbursement of Trust Assets by the Company Trustee to the Trustor or other approved disbursement recipients within the meaning of the TA, it must be verified whether the disbursement meets the requirements set forth in the TA. The trust administration services rendered to the Trustor by the Employee Trustee include the overseeing of compliance with the provisions of the TA, the annual reporting on such oversight activities, as well as the management of the virtual Subledgers to represent the individual employees’ time accounts.

In detail, the following provisions shall apply to the services rendered by the Employee Trustee:

### § 1

#### Integral part of the Trust Agreement, term

- (1) This Service Agreement forms an integral part of the TA.
- (2) This Service Agreement shall be entered into for the duration of the appointment of the Employee Trustee as per the TA. This Service Agreement expires upon termination of the TA, without a separate notice of termination or cancellation being required.
- (3) Unless otherwise specified in this Service Agreement, the provisions of the TA shall apply.
- (4) The provisions herein shall apply notwithstanding any contradictory General Terms and Conditions of the Parties which shall not apply to this contractual relationship even on a supplementary basis.

### § 2

#### Employee Trustee’s services Third-party support

- (1) Subject to the TA, the Employee Trustee shall exclusively be obliged to render the following administrative services to the Trustor and the employees as third-party beneficiaries of the TA:
  - a) Maintaining the virtual Subledgers to represent the individual Employees’ time accounts based on the Trust Assets transferred to the Company Trustee by the Trustor. Thus, the Trust Assets can be recorded for calculatory purposes and attributed to the respective Employee. This recording and attribution of individual Subledgers does not result in the individual employee having any legal claims with regard to his/her Subledger; neither does such recording and attribution result in the individual Employees being entitled to obtain beneficial power to dispose of or direct beneficial power to dispose of the equivalent value of his/her virtual account balance. § 5 (2) of the TA shall remain unaffected.



- b) Review of the disbursements made by the Company Trustee from the Trust Assets “corporate time accounts” of the Trustor once a year based on the supporting documents presented by the Trustor pursuant to its audited financial statements, in this respect, the Employee Trustee shall review the disbursements which the Company Trustee has made to the Trustor for the previous financial year of the Trustor from the trust asset “corporate time accounts” by verifying them based on the payroll account included in the audited financial statements of the Trustor in term of compliance with the provisions of the TA.
  - c) In the event that the Trustor cannot provide the corresponding audited payroll account for the review pursuant to lit. b), it shall provide an audited actuarial expert report compiled by an actuary regarding the Time Account Agreements which includes the payments in arrears as at the balance sheet date of the previous financial year and a forecast of the payments to employees in the exemption period during the previous financial year (payment forecast).
  - d) In the event of a separate agreement on additional disbursements to the Trustor from the Trust Assets during the year: Performing plausibility checks to verify whether the disbursements requested by the Trustor from the Company Trustee meets the requirements set forth in the TA and within a range of amounts to be agreed upon separately; the Employee Trustee shall not have any review obligations in such reviews during the year beyond those relating to the plausibility checks of amounts. If the amounts agreed upon are exceeded, the Employee Trustee shall advise the Company Trustee separately.
  - e) Review of the written reports relating to the TA in terms of extraordinary incidents which are provided to the Employee Trustee by the Trustor or the Company Trustee, respectively, in the course of the performance of the TA.
  - f) Reporting in writing on the review findings as set forth in lit. a) to e) above and list of the Trustor’s Employees subject to the Contractual Collateral as at the Trustor’s balance sheet date (annual report); the annual report shall be provided to the Trustor in coordination with the Company Trustee.
  - g) Communication and administrative business transactions with the Company Trustee.
  - h) Execution and settlement of the security in an Insured Event or upon non-performance as specified in the TA. For details see the administration manual.
- (2) To the extent that the above services shall also be rendered in the interests of the employees as third parties under the TA, the Employee Trustee’s obligation to render these services if an Insured Event occurs shall apply regardless of the effectiveness of the remaining provisions herein.
  - (3) The Employee Trustee may use the assistance of the third parties in fulfilling its duties.
  - (4) The assignment of additional activities to the Employee Trustee shall require an addendum to the catalog of tasks under para. (1) above.

### **§ 3**

#### **Trustor's obligations**

- (1) The Trustor shall provide the Employee Trustee or, in the case of § 2 (3) upon the its request a third party, any and all data and information required for the performance of the tasks under § 2.
- (2) The Trustor shall notify the Employee Trustee annually about the employees reported to the actuary for the purpose of actuarial valuation of the benefits from the corporate time accounts as at the respective balance sheet date. The notification shall include the existing workforce, as well as any new Employees and Employees who have left the company. The respective headcount shall be reported in the electronic format requested by the Employee Trustee. The headcount report shall be provided by the actuary to the Employee Trustee on the Trustor's behalf within the quarter following the balance sheet date.
- (3) For additional details see the administration manual.

### **§ 4**

#### **Employee Trustee's obligations**

- (1) The Employee Trustee agrees to comply with the specifications set forth in the TA in respect of its review and administration services. The Employee Trustee shall not be obliged to review the headcount report required under § 3 (2): It is the Trustor who is exclusively responsible to provide an accurate report.
- (2) The Employee Trustee shall not be subject to any reporting requirements beyond those governed in the TA and its annexes and in this Agreement, in particular vis-à-vis the Trustor's employees.

### **§ 5**

#### **Discharge from liability**

The Trustor shall be deemed to confirm proper rendering of the services and shall discharge the Employee Trustee from its liability for such services within three months of the receipt of the annual expert report unless the Trustor objects in writing.

### **§ 6**

#### **Compensation**

For the administration services rendered by the Employee Trustee pursuant to § 2, the Trustor shall pay the Employee Trustee a remuneration separately agreed upon. This Agreement shall become **Annex 5** to the TA upon signing.

### **§ 7**

#### **Data privacy, confidentiality**

- (1) The Parties agree to treat any and all findings and information obtained in the course of the performance of the Agreement as confidential. The non-disclosure information shall continue to apply beyond the term of the Agreement.
- (2) If personal information of the Trustor's employees is automatically processed in connection with the administration service rendered by the Employee Trustee and

such information is required to meet its obligations arising from this Service Agreement, the Employee Trustee shall be bound to the provisions of the German Federal Data Protection and Privacy Act and must treat the information as confidential.

## **§ 8**

### **Term, termination**

- (1) This Service Agreement shall become effective upon conclusion of the TA and shall be entered into for the duration of the appointment of the Employee Trustee as per the TA.
- (2) The termination of this Service Agreement shall be governed by § 17 of the TA provided that, at the end of the term of the TA or upon termination of the collaboration with the Trustor under the TA, this Service Agreement expires as well, without a separate notice of termination relating to this Service Agreement being required.

## **§ 9**

### **Liability**

The liability shall be subject to § 16 of the TA.

## **§ 10**

### **Assignment, written form requirement, final provisions**

- (1) No claims arising from this Service Agreement may be assigned.
- (2) Amendments to this Service Agreement, including this clause, must be in writing and shall require the consent of the Trustor and the Employee Trustee.
- (3) If a provision in this Service Agreement is or becomes unenforceable, remaining provisions shall remain unaffected. The Parties shall agree on an effective provision to replace the void and invalid provision coming as close as possible to the economic content of the void and invalid provision. The same shall apply in the event of any omissions.
- (4) This Service Agreement shall exclusively be governed by the laws of the Federal Republic of Germany. To the extent legally permitted, all disputes arising from or relating to this Service Agreement shall be subject to the exclusive jurisdiction of the courts of Frankfurt am Main.

Darmstadt on February 26, 2018

[Signature]

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Merck KGaA

Frankfurt am Main, on

[Signature]

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HÖCHSTER PENSIONS BENEFITS  
SERVICES GmbH

Darmstadt on

[Signature]

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Merck KGaA

Frankfurt am Main, on

[Signature]

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HÖCHSTER PENSIONS  
BENEFITS SERVICES GmbH

## **Annex 4 to the Trust Agreement Compensation provisions for the Company Trustee**

### **One-time set-up fees**

For setting up a trust security, a one-time set-up fee of EUR 7,500.00 EUR plus VAT shall be billed to the Trustor. The fee shall be a one-time fee for identical trust agreements within the Group.

### **Security fees**

For the ongoing trust security and safeguarding of the Trust Assets, as well as for the purchase, sale, and safeguarding of the securities to be acquired pursuant to the investment policies, the Trustor shall receive a flat-rate annual remuneration of 0.02% of the Trust Assets plus VAT.

The security fee shall be billed quarterly in arrears based on the value of the Trust Assets derived from the quarter-end value of the previous quarter (remuneration against billing to the Trustor).

### **Transaction fees**

The Company Trustee shall not incur any other additional transaction fees. Third-party costs incurred as a result of the purchase and sale of securities shall be charged to the Trustor.

### **Benefits**

With regard to the account management and the purchase and sale of shares in the investment assets, the respective management companies investing the respective investment assets or their distribution entities shall grant benefits to Metzler Trust e.V. and/or its affiliated companies on a regular basis. In addition to the original issue premium upon acquisition of shares in the investment assets, these benefits include a pro rata temporis remuneration for the period during which the shares in the Trustor's assets are held by B. Metzler seel. Sohn & Co. KGaA in the securities account (current sales commission). Depending on the management company and the type of investment assets, the amount of the current sales commission generally ranges between half and the entire prorated administration fee imposed by the respective management company on the investment assets based on the Trustor's shares in the investment assets; the amount of the commission is specified in the respective sales prospectus.

The Trustor does not incur any additional costs as a result of the above-described benefits. Moreover, reference is made to the explanatory comments in the basic information regarding the investment of investment assets. Additional information regarding the benefits granted is available upon request from the Company Trustee. The Trustor agrees and acknowledges that the Company Trustee and the other specified recipients shall withhold such payments as Compensation Components.

## **Annex 5 to the Trust Agreement**

### **Compensation provisions for the Employee Trustee**

- (1) The Trustor shall pay to the Employee Trustee fees for the administration services rendered as per § 2 of Annex 3 to the Trust Agreement Service Contract relating to the securing of corporate life-time accounts - in accordance with the following provisions:
- (2) The remuneration for the Employee Trustee's services rendered to the Trustor and the companies listed in Annex 1 to the aforementioned Trust Agreement shall be as follows:
  - a) One-time set-up fee waived
  - b) Trustee fee  
*(inter alia, ensuring compliance with appropriation restriction,*  
preparation of the annual expert report for each individual company) EUR 750.00  
p.a.
  - c) Fee for maintaining the imputed time accounts  
*(per employee based on an assumed number of 7,000 participants) EUR 14.00*  
p.a.
  - d) The service fee incurred on a regular basis shall be paid by the management company to the Employee Trustee pursuant to this contractual arrangement based on the administration fee for the investment product and thus the Trustor does not incur such fee.
- (3) The agreed-upon fees shall be net of any applicable statutory value-added tax. The billing period shall be the respective calendar year. Invoices shall be issued for each quarter in arrears, except for the service fee (due annually). The billed amount shall be due payable within a period of 30 days of the receipt of the invoice. The Employee Trustee shall bill the Trustor for the fee owed in one total amount.
- (4) The Employee Trustee may review the fees and adjust the fees based on any cost increases that have occurred, giving notice of six weeks as per the end of each respective calendar year. The adjustment shall not exceed the percentage increase in the pay rate increases for employees in the chemical industry for the year then expired, not taking into account one-time payments.
- (5) Any specific services which the Trustor or one of the companies specified in Annex 1 request beyond the agreed-upon scope shall be billed separately. The fee for such specific services shall depend on the time spent to render the respective service based on the actual time spent as well as the applicable fees of the Employee Trustee.
- (6) In case of an Insured Event, the Employee Trustee shall be entitled to a time- an expense-based arm's length fee for the time account settlement.

Darmstadt on February 26, 2018

Darmstadt on

[Signature]

[Signature]

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Merck KGaA

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Merck KGaA

Frankfurt am Main, on

Frankfurt am Main, on

[Signature]

[Signature]

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Höchster Pensions Benefits  
Services GmbH

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Höchster Pensions Benefits  
Services GmbH

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).



As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of HC OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 16, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**DELEGATED POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Healthcare Germany GmbH, Darmstadt, Germany, with its corporate seat in Darmstadt, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

\_\_\_\_\_  
Dr. Stefan Oschmann

\_\_\_\_\_  
Dr. Marcus Kuhnert

Annex: Main Power of Attorney

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

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As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of HC OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 16, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

Darmstadt, February 14, 2018

[Signature]

[Signature]

Dr. Robert Nass

Stephan Lahrkamp

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]



[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**DELEGATED POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Life Science Germany GmbH, Darmstadt, Germany, with its corporate seat in Darmstadt, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

Dr. Marcus Kuhnert

Annex: Main Power of Attorney

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

Darmstadt, February 14, 2018

[Signature]

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp



**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;



3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Vienna, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**DELEGATED POWER OF ATTORNEY**

for

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 93768 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

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Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

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As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;



3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Vienna, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

### **Annex 11.10.b**

Agreement on the partial transfer of Trust Assets between KGaA,  
HC OpCo, LS OpCo, PM OpCo, Metzler Trust e.V. and  
Höchster Pensions Benefits Services GmbH

**Deed No. 161 of the 2018 (A) Deed Register**

**Partial Asset Transfer Agreement regarding the  
transfer of Trust Assets**

**by and between**

**Merck KGaA, Darmstadt, Germany,  
Merck Healthcare Germany GmbH, Darmstadt, Germany,  
Merck Life Science Germany GmbH, Darmstadt, Germany,  
Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
Metzler Trust e.V. and Höchster Pensions Benefits Services GmbH**

Recorded in Darmstadt on this 26th day of February 2018

Before me, the undersigned notary public

**Dr. Wulf Albach**

with my registered office situated in Darmstadt, Germany, Friedensplatz 6, appeared today at the office of Merck KGaA, Frankfurter Straße 250, 64293 Darmstadt, Germany, where the notary public appeared upon the request of the parties who appeared before him:

1. **Mr. Frank Seeber**, born on March 11, 1962,  
with business address: Frankfurter Straße 250, 64293 Darmstadt, Germany,  
identified by: German federal identification card (*Bundespersohnalausweis*).
2. **Mr. Alexander Werner**, born on November 13, 1967,  
with business address: Frankfurter Straße 250, 64293 Darmstadt, Germany,  
identified by: German federal identification card.
3. **Dr. Holger Pittroff**, born on January 27, 1973,  
with business address: Frankfurter Straße 250, 64293 Darmstadt, Germany,  
identified by: German federal identification card.
4. **Mr. Christoph Frieling**, born on September 16, 1977  
with business address: Frankfurter Straße 250, 64293 Darmstadt, Germany,  
identified by: German federal identification card.
5. **Dr. Marco Schulmerich**, born on July 8, 1970,  
with business address: Untermainanlage 1, 60329 Frankfurt a. M., Germany,  
identified by: German federal identification card.
6. **Mr. Christian Remke**, born on February 17, 1964,  
with business address: Untermainanlage 1, 60329 Frankfurt a. M., Germany,  
identified by: German federal identification card.
7. **Mr. Stefan Wolf**, born on October 13, 1967,  
with business address: Brüningstraße 50, 65926 Frankfurt am Main, Germany,  
identified by: German federal identification card.

8. **Dr. Andreas Peiter**, born on July 22, 1971,  
with business address: Brüningsstraße 50, 65926 Frankfurt am Main, Germany,  
identified by: German federal identification card.

Representations:

1. The person specified in No. 1) is not acting in his own name,

but - discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164, and based on written power of attorney dated February 14, 2018 a certified copy of which is attached hereto at Annex V1.

2. The person specified in No. 2) is not acting in his own name,

but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018 a certified copy of which is attached hereto at Annex V2.2.

Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Healthcare Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 96240, and based on written powers of attorney dated February 18/16, 2018 a certified copy of which is attached hereto as Annexes V2.1.1 and V2.1.2.

3. The person specified in No. 3) is not acting in his own name,

but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with its corporate set in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018 a certified copy of which is attached hereto at Annex V3.2.

Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Life Science Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 93771, and based on written powers of attorney dated February 14/15, 2018 a certified copy of which is attached hereto at Annexes V3.1.1 and V3.1.2.

4. The person specified in No. 4) is not acting in his own name,

but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck KGaA**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164, and based on written delegation of power of attorney dated February 20/22, 2018 a certified copy of which is attached hereto at Annex V4.2.

Merck KGaA, on the other hand, is not acting in its own name, but - discharged from the restrictions of Sec. 181 *BGB* - for **Merck Performance Materials Germany GmbH**, with its corporate seat in Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 93768, and based on written powers of attorney dated February 14, 2018 a certified copy of which is attached hereto at Annexes V4.1.1 and V4.1.2.

5. The persons specified in No. 5) and No. 6) are not acting in their own name,

but for Metzler Trust e.V., with its corporate seat in Frankfurt am Main, Germany, registered in the register of associations (*Vereinsregister*) of the lower court of Frankfurt am Main under VR 12458, namely as its directors with joint power of representation.

6. The persons specified in No. 7) and No. 8) are not acting in their own name,

but for **Höchster Pensions Benefits Services GmbH**, with its corporate seat in Frankfurt am Main, Germany, registered in the commercial register of the lower court of Frankfurt am Main under HRB 51443, namely the person specified in No. 7) as the managing director and the person specified in No. 8) as the holder of a general commercial power of attorney.

With regard to the accurateness of the above representations, reference is made to the entries in the electronic commercial register (register portal of the German federal states) and the electronic register of associations of the lower court of Frankfurt/Main.

The notary public asked the persons who appeared before him whether he or a person associated with him for joint business purposes were or are engaged outside his capacity as notary public in any matter that is a subject matter of this notarization. The persons who appeared before him responded in the negative. Furthermore, the persons who appeared before the notary public declared that they or the parties they represent, respectively, act for their own account in the declarations below.

The persons who appeared before the notary public declared and requested notarization of the following:

**Partial Asset Transfer Agreement  
regarding the transfer of Trust Assets**

by and between

**Merck Kommanditgesellschaft auf Aktien, Darmstadt, Germany**

Frankfurter Straße 250, 64293 Darmstadt, Germany

- hereinafter referred to as: **KGaA** -

and

**Metzler Trust e.V.**

Untermainanlage 1, 60329 Frankfurt a. M., Germany,

- hereinafter referred to as: **“Company Trustee”** -

and

**Höchster Pensions Benefits Services GmbH**

Brüningstraße 50, 65926 Frankfurt am Main, Germany,

- hereinafter referred to as: **Employee Trustee** -

and

**Merck Healthcare Germany GmbH, Darmstadt, Germany**

Frankfurter Straße 250, 64293 Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany,

- hereinafter referred to as: **HC OpCo** -

**Merck Performance Materials Germany GmbH, Darmstadt, Germany**

Frankfurter Straße 250, 64293 Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany,

- hereinafter referred to as: **PM OpCo** -

**Merck Life Science Germany GmbH, Darmstadt, Germany**

Frankfurter Straße 250, 64293 Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany,

- hereinafter referred to as: **LS OpCo** -

- **HC OpCo, LS OpCo and PM OpCo each represented by Merck KGaA, Darmstadt, Germany** -

- collectively: the **Parties** -

**Preamble**

1. Based on the existing regulations regarding the use of time accounts (hereinafter "**Time Account Agreement**"), KGaA gives its employees the opportunity to transfer the value of work performed respectively work time as well as parts of the cash compensation for work performed to time accounts and thus accrue entitlements to compensation for periods when not required to work by way of time accounts (*Wertguthaben*) as defined by Sec. 7 (1a) and Sec. 7b German Social Code IV (*SGB IV*) (hereinafter "**Time Account Entitlements**"). For the purpose of securing these Time Account Entitlements, KGaA, the Company Trustee and the Employee Trustee have entered into a Trust Agreement dated August 8, 2014 (hereinafter referred to as "**KGaA TA**"). The trust assets transferred from KGaA to the Company Trustee on the basis of this trust agreement have been mathematically allocated by the Company Trustee to the employees building up a time account and deposited in a virtual account (hereinafter "**Subledger**").
2. As part of Merck Group's strategic development, the operating activities of the Healthcare, Life Science, and Performance Materials Business Sectors and the associated assets and liabilities (hereinafter individually referred to individually as an "**Operating Unit**" or collectively as "**Operating Units**") within KGaA shall be hived down by way of a hive-down by absorption pursuant to Sec. 123 (3) No.1 German Reorganization Act (*Umwandlungsgesetz – UmwG*) to HC OpCo, PM OpCo, and LS OpCo (hereinafter individually referred to as "**OpCo**" or collectively as "**OpCos**") based on a hive-down agreement by and between KGaA and HC OpCo / LS OpCo / PM OpCo (hereinafter referred to as "**Operational Hive-down Agreement**") (the transaction hereinafter referred to a "**Operational Hive-down**"), with the Operating Unit Healthcare being hived down to HC OpCo, the Operating Unit Life Science to LS OpCo, and the Operating Unit Performance Materials to PM OpCo. The hive-down shall become effective upon its registration in the commercial register of KGaA (hereinafter "**Legal Effective Date**"). The effective date of the hive-down is January 1, 2018, 0:00 hours (hereinafter "**Economic Effective Date**"). The closing balance effective date as defined in Sec. 125 s. 1, Sec. 17 (2) *UmwG* is December 31, 2017, 24:00 hours (hereinafter referred to as "**Closing Balance Effective Date**"). The Operational Hive-down shall, *inter alia*, ensure more efficient management of the Operating Units by means of a business sector-related Enterprise Resource Planning System (hereinafter referred to as "**ERP System**").
3. The Operational Hive-down results, *inter alia*, in the employment relationships of the active employees attributed to the respective Operating Units being transferred as specified in the Operational Hive-down Agreement from KGaA to the respective OpCo (**Transitioning Employees**). In addition, pursuant to the Operational Hive-down

Agreement, the legal relationships with the former KGaA employees are hived down as well in the course of the Operational Hive-down between KGaA and the OpCos to the extent that their departure occurs during the period after the Closing Balance Effective Date and before the Legal Effective Date (**Former Employees**). The Transitioning Employees and the Former Employees form the group of secured employees (hereinafter **"Secured Employees"**).

4. Since the technical requirements for introducing the (business sector-specific) ERP Systems currently do not exist at the OpCos - the introduction is planned for the period from early 2019 to 2020, depending on the business sector - it is intended that the business activities hived down to the OpCos be temporarily leased back to KGaA until the introduction of the ERP Systems in the respective OpCo (**"Business Lease"**). The Business Lease shall become effective immediately upon the Operational Hive-down becoming effective. Notwithstanding the aforesaid, the Business Lease shall become effective with retroactive economic effect as of January 1, 2018, 0:00 hours (hereinafter **"Beginning Of The Lease"**). The Business Lease results in the Transitioning Employees being retransferred to KGaA; in some cases, employment contracts are retransferred to KGaA as well based on individual agreements. The plan for the Business Lease is that the respective OpCo assumes joint liability in respect of the Transitioning Employees' Time Account Entitlements and agrees with KGaA to assume performance in full (hereinafter **"Assumption Of Joint Liability"**). The Assumption Of Joint Liability results in the economic obligations from the Time Account Entitlements of the Transitioning Employees remaining with the respective OpCo as of the Beginning of the Business Lease despite the Business Lease and the respective OpCo being obliged to recognize this (contingent) liability on its balance sheet. With the introduction of the respective final business sector-specific ERP System, the Business Lease is terminated with regard to the OpCo concerned, and management of the operation is transferred to the OpCo completely and permanently (as retransfer of the leased item).
5. The Time Account Entitlements which the Secured Employees have already accrued under the Time Account Agreements are currently secured by the KGaA TA and shall be secured as of the Legal Effective Date by an independent trust agreement to be concluded each by the OpCos and the Company Trustee and the Employee Trustee (hereinafter individually referred to for each OpCo as **"OpCo TA"**). The OpCo TA is attached hereto as **Annex 1**. Its content corresponds to the KGaA TA and, according to the expert report of KPMG Wirtschaftsprüfungsgesellschaft dated February 26, 2018, meets the requirement of an Equivalent Security as defined in § 5 (3) of the KGaA TA.
6. Pursuant to this Agreement, the trust assets as defined below attributable on a pro rata basis to the Secured Employees in the form of the subledgers maintained for them, are transferred to the respective OpCo in such manner that they are contributed to the respective OpCo TA entered into by and between the Company Trustee and the respective OpCo (hereinafter referred to as **"Transfer"**). Thus, at the same time, beneficial ownership in the prorated Trust Assets is contributed to the respective OpCo. The Parties agree that the Transfer of the prorated trust assets between KGaA and the OpCos shall occur with retroactive economic effect as of the Economic Effective Date. However, in order to avoid any multiple transfer of the trust assets (also between the OpCos) required as a result, beneficial ownership shall be transferred directly between KGaA and the OpCo to which the Secured Employees are each attributable at the Legal Effective Date ("fast-track transfer"). In addition, KGaA and the OpCos have set forth a compensation mechanism in the Operational Hive-down Agreement according to which KGaA and the OpCos put themselves economically in the position as if the Transfer had been based on the situation at the Closing Balance Effective Date. This compensation mechanism shall remain unaffected.



7. The Transfer shall be completed based on the requirements set forth in § 11 of the KGaA TA, with HC OpCo / LS OpCo / PM OpCo being subject to this Agreement as an agreement separate for each of the respective OpCos.
8. NOW THEREFORE, as well as upon request of Merck KGaA to the Company Trustee and the Employee Trustee for the establishment of a subsequent security of the OpCo TA and for the purpose of transferring Trust Assets, the Parties agree as follows:

## A. Asset Transfer Agreement by and between KGaA, the Company Trustee, the Employee Trustee, and the OpCos

### § 1

#### Transfer of prorated Trust Assets

1. KGaA, the Company Trustee, and the Employee Trustee, as well as HC OpCo / PM OpCo / LS OpCo, agree that, at the Legal Effective Date, the Trust Assets attributable on a pro rata basis to the individual Subledgers of the Secured Employees (hereinafter "**Trust Assets To Be Transferred**") shall be transferred to the Company Trustee pursuant to the KGaA TA for the purpose of establishing an equivalent security as defined in § 11 (2) in context with § 5 (3) of the KGaA TA as Trust Assets under the OpCo TA.
2. For this purpose, KGaA - with the Employee Trustee's consent - hereby assigns its right vis-à-vis the Company Trustee for the provision of the Trust Assets To Be Transferred and any and all other claims of KGaA under the KGaA TA in respect of the Trust Assets To Be Transferred for the purpose of an equivalent security for the Time Account Entitlements within the meaning of § 5 (3) of the KGaA TA for the Secured Employees on a prorated basis with effect as of the Legal Effective Date to the extent to be determined in accordance with para. (3) to HC OpCo / PM OpCo / LS OpCo who accept the assignment with the proviso that this right assigned to them by KGaA is hereby contributed as trust assets under the OpCo TA with effect as of the Legal Effective Date. The Company Trustee hereby accepts this fiduciary transfer of the Trust Assets To Be Transferred as trust assets under the OpCo TA with effect as of the Legal Effective Date.
3. The Trust Assets To Be Transferred in the form of shares in the trust assets for the satisfaction of the claim for transfer of the Trust Assets To Be Transferred contributed to the OpCo TA pursuant to para. 2 shall be determined based on a data report provided by KGaA to the Employee Trustee in its capacity as administrator, which - in the format defined in the underlying administration manual - comprises the transfer of the Secured Employees to HC OpCo / PM OpCo / LS OpCo within a period not to exceed 5 banking days of the receipt of the data report by the Employee Trustee.
4. The Trust Assets To Be Transferred shall be transferred as follows: The Trust Assets To Be Transferred shall be reposted by the Company Trustee by way of account transfer based on
  - a notification by the Employee Trustee in text or written format to the Company Trustee and KGaA specifying the amount of the Trust Assets To Be Transferred and the portion attributable to the respective Operating Unit
  - as well as a corresponding reclassification order in text or written format by KGaA to the Company Trustee
 from the escrow/securities account of KGaA to the corresponding escrow/securities account of HC OpCo / PM OpCo / LS OpCo as plan assets under the respective OpCo TA. As a result, the Company Trustee retains legal ownership and HC OpCo / PM OpCo / LS OpCo is in the legal position of a trustor and obtains beneficial ownership in the Trust Assets To Be Transferred by KGaA (gross amount) net of any taxes triggered by the transfer and reposting. The Employee Trustee and the Company Trustee do not assume any responsibility for taxes triggered by the transfer of the Trust Assets To Be Transferred to HC OpCo / PM OpCo / LS OpCo and the transfer to the respective escrow/securities account.

**B. Miscellaneous****§ 2****Final provisions**

1. Any modifications of this Agreement shall not become effective unless they are in writing. The same shall apply to any waiver or modification of this para. (1).
2. The effectiveness of this Agreement shall be subject to the condition precedent that the Operational Hive-down is registered in the Commercial Register of KGaA.
3. Furthermore, the Parties agree that KGaA is subject to the agreed-upon incidental obligation vis-à-vis the Company Trustee and the Employee Trustee to promptly meet any obligation it may have vis-à-vis the employees under Sec. 7e (8) SGB IV and shall be held liable for the fulfillment of such obligation.
4. If individual provisions herein are or become void or invalid, the remaining provisions herein shall remain unaffected. The void or invalid provisions shall be deemed replaced by such effective provision coming as close as possible to the content of the void or invalid provision, taking into account the Parties' intentions. The same applies to any omissions in the Agreement. In the event of void or invalid provisions relating to deadlines or periods, those deadlines or time periods shall be deemed to be agreed which, depending on the intent of the Parties, shall be at least or at most compatible with mandatory law.
5. Any economic compensation provisions beyond these provisions by and between the OpCos and KGaA as well as by and between the OpCos, in particular under the Operational Hive-down Agreement between KGaA and the OpCos, shall remain unaffected.
6. This Agreement shall be governed by German law.

Of this Deed,

- each Party shall receive a certified copy.

Any and all costs relating to this Deed and its execution shall be borne by Merck KGaA, Darmstadt, Germany.

This transcript was read aloud to the persons who appeared before the notary public, approved by them, and personally signed by them and the notary public as follows:

[Signatures]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA intends for the operational activities of the Healthcare, Life Science, and Performance Materials business sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240, for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771, for the Operating Unit Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93768, for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, inter alia, support the introduction of global business sector-specific Enterprise Resource Planning systems (ERP-systems) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-Down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Units shall be hived down to the OpCos. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

The OpCos in turn shall enter into appropriate CTA agreements with these trustees to provide the security, even after the Operational Hive-down is implemented also for the duration of the aforementioned business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

NOW THEREFORE, KGaA hereby authorizes

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and

13. Christoph Frieling, born on September 16, 1977

all with business address:

c/o MERCK KGaA, Darmstadt, Germany  
Frankfurter Straße 250, 64293 Darmstadt, Germany,

(the **Representatives**),

each separately and independently of each other, to enter into the following contracts in the name of KGaA:

1. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
2. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representatives shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representatives' discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representatives, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the powers of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

---

Dr. Stefan Oschmann

[Signature]

---

Dr. Marcus Kuhnert

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).



As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of HC OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 16, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**DELEGATED POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Healthcare Germany GmbH, Darmstadt, Germany, with its corporate seat in Darmstadt, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

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Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).



As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of HC OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

**POWER OF ATTORNEY**

of

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 96240 (**HC OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are HC OpCo for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93771 (**LS OpCo**), for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Healthcare shall be hived down to HC OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

HC OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, HC OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 16, 2018

[Signature]

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Dr. André Overmeyer

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Dr. Tina Sandmann

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

Darmstadt, February 14, 2018

[Signature]

[Signature]

Dr. Robert Nass

Stephan Lahrkamp

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]



[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**DELEGATED POWER OF ATTORNEY**

of

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Life Science Germany GmbH, Darmstadt, Germany, with its corporate seat in Darmstadt, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (the **Principal**) For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 15, 2018

Darmstadt, February 14, 2018

[Signature]

[Signature]

Dr. Robert Nass

Stephan Lahrkamp



**POWER OF ATTORNEY**

of

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93771 (**LS OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, LS OpCo for the Operating Unit KGaA Life Science, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt, Germany, under HRB 93768 (**PM OpCo**) for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Life Science shall be hived down to LS OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

LS OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, LS OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of LS OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Robert Nass

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Stephan Lahrkamp

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;



3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Vienna, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

[Notarized Copy]

**DELEGATED POWER OF ATTORNEY**

for

**Merck KGaA, Darmstadt, Germany,**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 6164 (**KGaA**).

KGaA was issued the power of attorney attached to this delegated power of attorney (the **Main Power of Attorney**) by Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register of the lower court of Darmstadt under HRB 93768 (the **Principal**). For the purpose of the Main Power of Attorney, KGaA shall in particular be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) and authorized to delegate power of attorney to third parties.

KGaA hereby delegates power of attorney to

1. Dr. Friederike Rotsch, born on October 31, 1972,
2. Dr. Stefan Fandel, born on December 6, 1975,
3. Dr. Holger Pittroff, born on January 27, 1973,
4. Frank Seeber, born on March 11, 1962,
5. Andreas Peters, born on January 18, 1967,
6. Daniel Rackisch, born on January 11, 1984,
7. Miriam Tolksdorf, born on December 30, 1977,
8. Klaudia Birkental, born on January 31, 1960,
9. Sonja Hilge, born on April 25, 1979,
10. Dr. Christian Schützler, born on October 8, 1981,
11. Alexander Werner, born on November 13, 1967,
12. Dr. Julia Zanotti, born on October 19, 1977, and
13. Christoph Frieling, born on September 16, 1977

each individually and independently of each other to represent the Principal in regard to the subject matter and in the scope of the Main Power of Attorney.

Any personal liability of those holding delegated power of attorney, either on a sole or joint and several basis, for any actions or measures, to include making and accepting statements, arising from or in connection with this delegated power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This delegated power of attorney is governed by German law.

The holders of the delegated power of attorney, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*).

Darmstadt, February 22, 2018

Darmstadt, February 20, 2018

[Signature]

[Signature]

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Dr. Stefan Oschmann

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Dr. Marcus Kuhnert

Annex: Main Power of Attorney

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

The acquiring entities in the Operational Hive-down are Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 96240 (**HC OpCo**) for the Operating Unit KGaA Healthcare, Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of KGaA, registered in the commercial register of the lower court of Darmstadt under HRB 93771 (**LS OpCo**) for the Operating Unit KGaA Life Sciences, and PM OpCo for the Operating Unit KGaA Performance Materials (regardless of the business sector, the acquiring entities are each referred to hereinafter as **OpCo** or collectively as **OpCos**). The basis for the Operational Hive-down shall be an operational hive-down agreement between KGaA and the OpCos to be notarized.

The transfer of the Operating Units to three separate legal entities shall, *inter alia*, support the introduction of global business sector-specific Enterprise Resource Planning systems (**ERP-systems**) for the German business. Since the technical requirements for introducing the ERP-systems currently do not exist at the OpCos, the business activities hived down to the OpCos shall be leased back temporarily to KGaA until the introduction of the ERP-systems by the respective OpCo. For this purpose, HC OpCo, LS OpCo, and PM OpCo shall each enter into a notarized Business Lease Agreement as specified in Sec. 292 (1) (3) Var. 1 of the German Stock Corporation Act (*Aktiengesetz – AktG*).

As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

KGaA shall secure pension claims made through direct commitment vis-à-vis the employees to be transferred as part of the Operational Hive-down as well as those former employees to be transferred via Merck Pensionstreuhand e.V. (**MP e.V.**), Darmstadt, Germany, a related company of KGaA, by way of a Contractual Trust Agreement (**CTA**). The same applies to entitlements from time account agreements secured via Metzler Trust e.V. as the company trustee and Höchster Pension Benefits Services GmbH as the employee trustee.

PM OpCo in turn shall enter into appropriate CTA agreements with these trustees to provide the security even after the Operational Hive-down is implemented for the duration of the business lease.

In this regard, agreements shall also be entered into under which the pro-rated amounts of trust assets due from the CTA of KGaA to an OpCo from the employees transferred during the hive-down and to the former employees transferred during the hive-down shall be assigned to the CTA for the respective OpCo.

The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;

3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

Any personal liability of the Representative, either sole or on a joint and several basis, for any action or measures, to include making and accepting statements, derived from or in connection with this power of attorney, with the exception of liability for intentional conduct, shall hereby be expressly excluded.

This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Darmstadt, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

**POWER OF ATTORNEY**

of

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany**

with its corporate seat in Darmstadt, Germany, business address: Frankfurter Straße 250, 64293 Darmstadt, registered in the commercial register (*Handelsregister*) of the lower court of Darmstadt (*Amtsgericht*) under HRB 93768 (**PM OpCo**).

Merck KGaA, Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164 (**KGaA**), intends for the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim, along with the associated assets and liabilities (the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and the **Operating Unit KGaA Performance Materials**, and, regardless of the business sector, each an **Operating Unit** or **Operating Units**) to be hived down in accordance with Sec. 20 German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*) to three separate subsidiaries via a hive-down by absorption pursuant to Sec. 123 (3) (1) of the German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal succession, as well as in part by transferring or granting beneficial ownership (the **Operational Hive-down**).

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As part of the Operational Hive-down, active employees under the Operational Hive-down Agreement as well as the rights and obligations from employment relationship that have ended and are attributable to the Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. That includes pension claims for corporate old-age pension insurance benefits and entitlements from time account agreements.

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The intent is that the trust agreements and the transfer agreements be signed by KGaA as the representative for and in the name of all the OpCos.

NOW THEREFORE, PM OpCo hereby authorizes

MERCK KGaA, Darmstadt, Germany, Frankfurter Straße 250, 64293 Darmstadt, Germany, registered in the commercial register of the lower court of Darmstadt under HRB 6164

(the **Representative**),

to enter into the following contracts in the name of PM OpCo:

1. CTA-trust agreement between the OpCos, represented by KGaA and MP e.V. to continue securing the pension commitments against insolvency;
2. CTA-trust agreement between the OpCos, represented by KGaA, Metzler Trust e.V., and Höchster Pensions Benefits Services GmbH to continue securing the time account agreement against insolvency;



3. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, the OpCos, represented by KGaA, and MP e.V., as well as
4. Partial transfer agreement concerning the transfer of trust assets for transferring and former employees of the Operating Units between KGaA, Metzler Trust e.V., Höchster Benefits Services GmbH, and the OpCos, represented by KGaA.

The Representative shall be authorized to undertake any steps and actions along with making and accepting statements that, in the Representative's discretion, are suitable, necessary or expedient for entering into or carrying out the measures specified in the Introduction of this power of attorney, the aforementioned legal transactions and/or fulfilment of the purpose of these measures and this power of attorney, to include modification and addenda to contracts entered into under this power of attorney.

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This power of attorney is governed by German law. This power of attorney shall expire on September 30, 2018.

The Representative, to the extent legally permitted, shall be discharged from the restrictions of Sec. 181 of the German Civil Code (*Bürgerliches Gesetzbuch – BGB*) (particularly in connection with the agreement to transfer trust assets) and, within the scope of this power of attorney, shall be authorized to delegate the power of attorney, either as a whole or in part.

Vienna, February 14, 2018

[Signature]

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Dr. Andreas Kruse

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Anke Steffen

[Notarial certificate that the copy of the power of attorney is an exact representation of the original]

### **Annex 12.3**

#### Procedural law relationships Healthcare

**I. Procedural law relationships trademarks**

| Case number according to internal database | Country                          |
|--------------------------------------------|----------------------------------|
| L3508EU00                                  | Slovakia                         |
| L3508EU00                                  | Slovenia                         |
| L3508EU00                                  | Sweden                           |
| L3508EU00                                  | Romania                          |
| L3508EU00                                  | Portugal                         |
| L3508EU00                                  | Poland                           |
| L3508EU00                                  | Netherlands                      |
| L3508EU00                                  | Malta                            |
| L3508EU00                                  | Latvia                           |
| L3508EU00                                  | Luxemburg                        |
| L3508EU00                                  | Lithuania                        |
| L3508EU00                                  | Italy                            |
| L3508EU00                                  | Ireland                          |
| L3508EU00                                  | Hungary                          |
| L3508EU00                                  | Croatia                          |
| L3508EU00                                  | Greece                           |
| L3508EU00                                  | Great Britain                    |
| L3508EU00                                  | France                           |
| L3508EU00                                  | Finland                          |
| L3508EU00                                  | Spain                            |
| L3508EU00                                  | Estonia                          |
| L3508EU00                                  | Denmark                          |
| L3508EU00                                  | Germany                          |
| L3508EU00                                  | Czech Republic                   |
| L3508EU00                                  | Cyprus                           |
| L3508EU00                                  | Benelux                          |
| L3508EU00                                  | Bulgaria                         |
| L3508EU00                                  | Belgium                          |
| L3508EU00                                  | Austria                          |
| L1004VE00                                  | Bolivarian Republic of Venezuela |
| L1056BR00                                  | Brazil                           |
| L1149HT00                                  | Haiti                            |
| L1224VN00                                  | Vietnam                          |
| L1314BR00                                  | Brazil                           |
| L1330IN00                                  | India                            |
| L1331IN00                                  | India                            |
| L1375VE00                                  | Bolivarian Republic of Venezuela |
| L1379BR00                                  | Bolivarian Republic of Venezuela |
| L1380BR00                                  | Brazil                           |
| L1394VN00                                  | Vietnam                          |
| L1395VN00                                  | Vietnam                          |
| L1396UA00                                  | Ukraine                          |
| L1399IN00                                  | India                            |
| L1512IN00                                  | India                            |
| L1542IN00                                  | India                            |
| L1549EU00                                  | European Union                   |
| L1575IN00                                  | India                            |
| L1846CO00                                  | Colombia                         |
| L1895CO00                                  | Colombia                         |

| Case number according to internal database | Country            |
|--------------------------------------------|--------------------|
| L1897MX00                                  | Mexico             |
| L7488PE00                                  | Peru               |
| L3160IN00                                  | India              |
| L1633IN00                                  | India              |
| L1719IN00                                  | India              |
| L1878MX00                                  | Mexico             |
| L1640IN00                                  | India              |
| L3244DO00                                  | Dominican Republic |
| L3244PE00                                  | Peru               |
| L5478MX00                                  | Mexico             |
| L3508EU00                                  | European Union     |
| L26167MX00                                 | Mexico             |
| L2004CN00                                  | China              |
| L2005CN00                                  | China              |

**II. Objection proceedings trademarks**

| Case number according to internal database | Country                          |
|--------------------------------------------|----------------------------------|
| OT1161VE00                                 | Bolivarian Republic of Venezuela |
| OT3231VE00                                 | Bolivarian Republic of Venezuela |
| OT3606GT00                                 | Guatemala                        |
| OT5093VE00                                 | Bolivarian Republic of Venezuela |
| OT5124BR00                                 | Brazil                           |
| OT5308BR00                                 | Brazil                           |
| OT5405BR00                                 | Brazil                           |
| OT5838BR00                                 | Brazil                           |
| OT6119IN00                                 | India                            |
| OT6198IN00                                 | India                            |
| OT6217BR00                                 | Brazil                           |
| OT6259VE00                                 | Bolivarian Republic of Venezuela |
| OT6344IN00                                 | India                            |
| OT6374VE00                                 | Bolivarian Republic of Venezuela |
| OT6420BR00                                 | Brazil                           |
| OT6594IN00                                 | India                            |
| OT6662BR00                                 | Brazil                           |
| OT6688IN00                                 | India                            |
| OT6729IN00                                 | India                            |
| OT6756IN00                                 | India                            |
| OT6786IN00                                 | India                            |
| OT6885IN00                                 | India                            |
| OT6895IN00                                 | India                            |
| OT6917IN00                                 | India                            |
| OT7022IN00                                 | India                            |
| OT7030IN00                                 | India                            |

| Case number according to internal database | Country                          |
|--------------------------------------------|----------------------------------|
| OT7031IN00                                 | India                            |
| OT7046BR00                                 | Brazil                           |
| OT7065IN00                                 | India                            |
| OT7195VE00                                 | Bolivarian Republic of Venezuela |
| OT7219IN00                                 | India                            |
| OT7258BR00                                 | Brazil                           |
| OT7280VE00                                 | Bolivarian Republic of Venezuela |
| OT7296VE00                                 | Bolivarian Republic of Venezuela |
| OT7297VE00                                 | Bolivarian Republic of Venezuela |
| OT7298VE00                                 | Bolivarian Republic of Venezuela |
| OT7474IN00                                 | India                            |
| OT7476IN00                                 | India                            |
| OT7533IN00                                 | India                            |
| OT7548IN00                                 | India                            |
| OT7554VE00                                 | Bolivarian Republic of Venezuela |
| OT7568IN00                                 | India                            |
| OT7601VE00                                 | Bolivarian Republic of Venezuela |
| OT7627IN00                                 | India                            |
| OT7654IN00                                 | India                            |
| OT7676IN00                                 | India                            |
| OT7706IN00                                 | India                            |
| OT7709IN00                                 | India                            |
| OT7787IN00                                 | India                            |
| OT7789IN00                                 | India                            |
| OT7790IN00                                 | India                            |
| OT7907IN00                                 | India                            |
| OT7934VE00                                 | Bolivarian Republic of Venezuela |
| OT7955IN00                                 | India                            |
| OT8035VE00                                 | Bolivarian Republic of Venezuela |
| OT8119BR00                                 | Brazil                           |
| OT8143VE00                                 | Bolivarian Republic of Venezuela |
| OT8198CO00                                 | Colombia                         |
| OT8268IN00                                 | India                            |
| OT8269IN00                                 | India                            |
| OT8277IN00                                 | India                            |
| OT8316IN00                                 | India                            |
| OT8317VE00                                 | Bolivarian Republic of Venezuela |
| OT8318IN00                                 | India                            |
| OT8322IN00                                 | India                            |
| OT8326IN00                                 | India                            |
| OT8340IN00                                 | India                            |
| OT8460IN00                                 | India                            |
| OT8851IN00                                 | India                            |
| OT8913HT00                                 | Haiti                            |
| OT8914PY00                                 | Paraguay                         |
| OT9139BR00                                 | Brazil                           |
| OT9143VE00                                 | Bolivarian Republic of           |

| Case number according to internal database | Country                                   |
|--------------------------------------------|-------------------------------------------|
|                                            | Venezuela                                 |
| OT9152IN00                                 | India                                     |
| OT9179IN00                                 | India                                     |
| OT9183IN00                                 | India                                     |
| OT9184IN00                                 | India                                     |
| OT9185IN00                                 | India                                     |
| OT9361NI00                                 | Nicaragua                                 |
| OT9530VE00                                 | Bolivarian Republic of Venezuela          |
| OT9537MK00                                 | The former Yugoslav Republic of Macedonia |
| OT9550BR00                                 | Brazil                                    |
| OT9716IN00                                 | India                                     |
| OT9723VN00                                 | Vietnam                                   |
| OT9724VN00                                 | Vietnam                                   |
| OT9725EC00                                 | Ecuador                                   |
| OT9749VE00                                 | Bolivarian Republic of Venezuela          |
| OT9825VE00                                 | Bolivarian Republic of Venezuela          |
| OT9836IN00                                 | India                                     |
| OT10008EC00                                | Ecuador                                   |
| OT10032AR00                                | Argentina                                 |
| OT10052ZA00                                | South Africa                              |
| OT10087UY00                                | Uruguay                                   |
| OT10088UY00                                | Uruguay                                   |
| OT10229IN00                                | India                                     |
| OT10297BR00                                | Brazil                                    |
| OT10410IN00                                | India                                     |
| OT10465ID00                                | Indonesia                                 |
| OT10468IN00                                | India                                     |
| OT10533ID00                                | Indonesia                                 |
| OT10539BR00                                | Brazil                                    |
| OT10548VE00                                | Bolivarian Republic of Venezuela          |
| OT10549VE00                                | Bolivarian Republic of Venezuela          |
| OT10560IN00                                | India                                     |
| OT10561IN00                                | India                                     |
| OT10571IN00                                | India                                     |
| OT10576IN00                                | India                                     |
| OT10582IN00                                | India                                     |
| OT10585GT00                                | Guatemala                                 |
| OT10587BR00                                | Brazil                                    |
| OT10606IN00                                | India                                     |
| OT10615AR00                                | Argentina                                 |
| OT10678SI00                                | Slovenia                                  |
| OT10680CO00                                | Colombia                                  |
| OT10691IN00                                | India                                     |
| OT10692PY00                                | Paraguay                                  |
| OT10750AR00                                | Argentina                                 |
| OT10751AR00                                | Argentina                                 |
| OT10768BR00                                | Brazil                                    |
| OT10844IN00                                | India                                     |
| OT10865VE00                                | Bolivarian Republic of Venezuela          |
| OT10930PL00                                | Poland                                    |
| OT10938IN00                                | India                                     |

| Case number according to internal database | Country                          |
|--------------------------------------------|----------------------------------|
| OT10939VE00                                | Bolivarian Republic of Venezuela |
| OT10951CN00                                | China                            |
| OT10952CH00                                | Switzerland                      |
| OT10962BR00                                | Brazil                           |
| OT10976IN00                                | India                            |
| OT10986IN00                                | India                            |
| OT11012IN00                                | India                            |
| OT11014IN00                                | India                            |
| OT11083CR00                                | Costa Rica                       |
| OT11173IN00                                | India                            |
| OT11198NI00                                | Nicaragua                        |
| OT11335VE00                                | Bolivarian Republic of Venezuela |
| OT11412VE00                                | Bolivarian Republic of Venezuela |
| OT11414IN00                                | India                            |
| OT11437HN00                                | Honduras                         |
| OT11438VE00                                | Bolivarian Republic of Venezuela |
| OT11449GT00                                | Guatemala                        |
| OT11543VN00                                | Vietnam                          |
| OT11557AR00                                | Argentina                        |
| OT11564BR00                                | Brazil                           |
| OT11567SV00                                | El Salvador                      |
| OT11617VE00                                | Bolivarian Republic of Venezuela |
| OT11683CO00                                | Colombia                         |
| OT11694VE00                                | Bolivarian Republic of Venezuela |
| OT11702TR00                                | Turkey                           |
| OT11709IN00                                | India                            |
| OT11719VN00                                | Vietnam                          |
| OT11728PY00                                | Paraguay                         |
| OT11813GT00                                | Guatemala                        |
| OT11820IN00                                | India                            |
| OT11848TR00                                | Turkey                           |
| OT11861IN00                                | India                            |
| OT11869IN00                                | India                            |
| OT11890VE00                                | Bolivarian Republic of Venezuela |
| OT11901IN00                                | India                            |
| OT11914BO00                                | Bolivia                          |
| OT11915BX00                                | Benelux                          |
| OT11930PA00                                | Panama                           |
| OT11960FR00                                | France                           |
| OT11962GT00                                | Guatemala                        |
| OT11963CR00                                | Costa Rica                       |
| OT12021PE00                                | Peru                             |
| OT12085DO00                                | Dominican Republic               |
| OT12109JM00                                | Jamaica                          |
| OT12198EU00                                | European Union                   |
| OT12236BR00                                | Brazil                           |
| OT12260IN00                                | India                            |
| OT12273IN00                                | India                            |
| OT12277VE00                                | Bolivarian Republic of Venezuela |
| OT12295SV00                                | El Salvador                      |

| Case number according to internal database | Country                          |
|--------------------------------------------|----------------------------------|
| OT11079PY00                                | Paraguay                         |
| OT12358PH00                                | Philippines                      |
| OT12360SV00                                | El Salvador                      |
| OT12474MX00                                | Mexico                           |
| OT12493IN00                                | India                            |
| OT12506IN00                                | India                            |
| OT12507NI00                                | Nicaragua                        |
| OT12533SV01                                | El Salvador                      |
| OT12540IN00                                | India                            |
| OT12542DO00                                | Dominican Republic               |
| OT12549BO00                                | Bolivia                          |
| OT7488IN01                                 | India                            |
| OT1002VN01                                 | Vietnam                          |
| OT6877IN00                                 | India                            |
| OT6440VN00                                 | Vietnam                          |
| OT25172EC00                                | Ecuador                          |
| OT7488IR00                                 | Islamic Republic of Iran         |
| OT25599HU00                                | Hungary                          |
| OT7201CH00                                 | Switzerland                      |
| OT25173VE00                                | Bolivarian Republic of Venezuela |
| OT26029PL00                                | Poland                           |
| OT6228PA00                                 | Panama                           |
| OT25559BR00                                | Brazil                           |
| OT7488AR01                                 | Argentina                        |
| OT7689IN00                                 | India                            |
| OT3244CR00                                 | Costa Rica                       |
| OT11079BD00                                | Bangladesh                       |
| OT25655HU00                                | Hungary                          |
| OT7689IN01                                 | India                            |
| OT3244BR00                                 | Brazil                           |
| OT3244DO00                                 | Dominican Republic               |
| OT3244PE00                                 | Peru                             |
| OT5516GT00                                 | Guatemala                        |
| OT5729EU00                                 | European Union                   |
| OT25599BR00                                | Brazil                           |
| OT11505EU00                                | European Union                   |
| OT10891IN00                                | India                            |
| OT11589IN00                                | India                            |
| OT7488VN00                                 | Vietnam                          |
| OT1002VN00                                 | Vietnam                          |
| OT12525NI00                                | Nicaragua                        |
| OT12495IN00                                | India                            |
| OT12496AM00                                | Armenia                          |
| OT11509PA00                                | Panama                           |
| OT11510BO00                                | Bolivia                          |
| OT11492DO00                                | Dominican Republic               |
| OT12169AR00                                | Argentina                        |
| OT12171AR00                                | Argentina                        |
| OT12172AR00                                | Argentina                        |
| OT12529GB00                                | Great Britain                    |
| OT10647VE00                                | Bolivarian Republic of Venezuela |
| OT3160IN01                                 | India                            |
| OT12500CL00                                | Chile                            |
| OT11603NI00                                | Nicaragua                        |
| OT11359EC00                                | Ecuador                          |

| Case number according to internal database | Country                          |
|--------------------------------------------|----------------------------------|
| OT11768VE00                                | Bolivarian Republic of Venezuela |
| OT12321BR00                                | Brazil                           |
| OT12323SV00                                | El Salvador                      |
| OT12061IN00                                | India                            |
| OT11440IN00                                | India                            |
| OT11441IN00                                | India                            |
| OT11957VE00                                | Bolivarian Republic of Venezuela |
| OT11192EU01                                | European Union                   |
| OT12070BR00                                | Brazil                           |
| OT11697VE00                                | Bolivarian Republic of Venezuela |
| OT11699VE00                                | Bolivarian Republic of Venezuela |
| OT11711IN00                                | India                            |
| OT11964DO00                                | Dominican Republic               |
| OT11965CL00                                | Chile                            |
| OT11842EU00                                | European Union                   |
| OT10815IN00                                | India                            |
| OT3244EC00                                 | Ecuador                          |
| OT3244NI00                                 | Nicaragua                        |
| OT3244GT00                                 | Guatemala                        |
| OT8649MX00                                 | Mexico                           |
| OT11552VE00                                | Bolivarian Republic of Venezuela |
| OT9767EC00                                 | Ecuador                          |
| OT11079IN01                                | India                            |
| OT12462BR00                                | Brazil                           |
| OT6723CO00                                 | Colombia                         |
| OT3244CO00                                 | Colombia                         |
| OT5195IN00                                 | India                            |
| OT3508IN00                                 | India                            |
| OT4012IN00                                 | India                            |
| OT24702FR00                                | France                           |

### **Annex 15.3**

#### **Hive-down Balance Sheet Life Science**

| Hive-down Balance Sheet Operating Unit KGaA Life Science per 1.1.2018 (in €) |             |                                                               |             |
|------------------------------------------------------------------------------|-------------|---------------------------------------------------------------|-------------|
| Assets                                                                       |             | Equity and Liabilities                                        |             |
| A. Fixed assets                                                              |             | A. Equity                                                     |             |
| I. Intangible assets                                                         | 2.784.342   | <b>Equity</b>                                                 | 294.416.941 |
|                                                                              |             | <b>Hive-down Balance Sheet</b>                                |             |
| II. Tangible Assets                                                          | 84.156.919  |                                                               |             |
| <b>Total fixed assets</b>                                                    | 86.941.261  | B. Provisions                                                 |             |
| B. Current assets                                                            |             | 1. Provisions for pensions and other post-employment benefits | 25.424.000  |
| I. Inventories                                                               | 176.961.303 | 2. Other provisions                                           | 65.598.287  |
| II. Receivables and other assets                                             |             | <b>Total provisions</b>                                       | 91.022.287  |
| 1. Trade accounts receivable                                                 | 57,685,560  | C. Liabilities                                                |             |
| 2. Other receivables and other assets                                        | 106,044,682 | 1. Trade accounts payable                                     | 39,314,670  |
| <b>Total current assets</b>                                                  | 340,691,544 | 2. Other liabilities                                          | 3,113,638   |
| C. Prepaid Expenses                                                          | 234,730     | <b>Total liabilities</b>                                      | 42,428,308  |
| <b>Total assets</b>                                                          | 427.867.535 | <b>Total equity and liabilities</b>                           | 427.867.535 |



## **Annex 16.2.a**

### Intangible Assets Life Science

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

## I. Trademarks

| Trademark           | Application number | Case number according to internal database |
|---------------------|--------------------|--------------------------------------------|
| 1-2Test             | 176404             | TM26248EU00                                |
| 1-2Test             | 75111235           | TM26248FR00                                |
| ACILIT              | 269162             | TM5271WO00                                 |
| ACILIT              | M18604/1WZ         | TM5271DE00                                 |
| ACILIT              | 68422              | TM5271MX01                                 |
| ACILIT              | 73394              | TM5271RU00                                 |
| ACILIT              | 6384               | TM5271KO00                                 |
| ACILIT              | 338337             | TM5271UY00                                 |
| ACTIRA              | 30 2011 012 061.7  | TM9344DE00                                 |
| ACTIRA              | 2134262            | TM9344IN00                                 |
| ALKALIT             | 261930             | TM8334WO00                                 |
| ALKALIT             | M18605/1WZ         | TM8334DE00                                 |
| ALKALIT             | 68421              | TM8334MX01                                 |
| ALKALIT             | 73392              | TM8334RU00                                 |
| ALKALIT             | 6381               | TM8334KO00                                 |
| ALUSPHER            | 74/253,522         | TM3605US00                                 |
| ALUSPHER            | 582141             | TM3605WO00                                 |
| ALUSPHER            | M66687/1WZ         | TM3605DE00                                 |
| ALUSPHER            | 0705/92            | TM3605DK00                                 |
| ALUSPHER            | 1490218            | TM3605GB00                                 |
| ALUSPHER            | 415/92             | TM3605FI00                                 |
| ALUSPHER            | 92-00856           | TM3605SE00                                 |
| ALUSPHER (katakana) | 8515/1992          | TM3605JP00                                 |
| ANAEROCCLIP         | 524407             | TM4920WO00                                 |
| ANAEROCCLIP         | M61412/9WZ         | TM4920DE00                                 |
| ANAEROCCLIP         | 3601/88            | TM4920DK00                                 |
| ANAEROCCLIP         | 2298/88            | TM4920FI00                                 |
| ANAEROCCLIP         | 7679               | TM4920CH00                                 |
| ANAEROCULT          | 498894             | TM4931WO00                                 |
| ANAEROCULT          | 505,463            | TM4931CA00                                 |
| ANAEROCULT          | 812455312          | TM4931BR01                                 |
| ANAEROCULT          | 7413/85            | TM4931DK00                                 |
| ANAEROCULT          | 64186              | TM4931CL00                                 |
| ANAEROCULT          | 93-394,789         | TM4931CO01                                 |
| ANAEROCULT          | 4528/85            | TM4931FI00                                 |
| ANAEROCULT          | 207701             | TM4931HD01                                 |
| ANAEROCULT          | 75/3632            | TM4931TW00                                 |
| ANAEROCULT          | 4809               | TM4931MX05                                 |
| ANAEROCULT          | 89034              | TM4931PK01                                 |
| ANAEROCULT          | 591,347            | TM4931US00                                 |
| ANAEROCULT          | 6699/87            | TM4931DK01                                 |
| ANAEROCULT          | M44598/1WZ         | TM4931DE00                                 |
| ANAEROTEST          | 75/246807          | TM4943US00                                 |
| ANAEROTEST          | M48730/1WZ         | TM4943DE00                                 |
| ANERON              | 337921             | TM5019WO00                                 |
| ANERON              | 003336906          | TM5019EU00                                 |
| ANERON              | M26776/1WZ         | TM5019DE00                                 |
| ANERON              | 6380               | TM5019KO00                                 |
| APC                 | 302011068218.6     | TM24165DE00                                |
| APURA               | 764205             | TM5171WO00                                 |
| APURA               | 003261617          | TM5171EU00                                 |
| APURA               | 16009              | TM5171PY09                                 |
| APURA               | 300 93 018.6       | TM5171DE00                                 |
| APURA               | 130934             | TM5171PE01                                 |
| APURA               | 130935             | TM5171PE09                                 |
| APURA               | 332507             | TM5171UY00                                 |
| APURA               | MI2001C00666       | TM5171IT00                                 |
| APURA               | 2344630            | TM5171AR09                                 |
| APURA               | 824082206          | TM5171BR01                                 |
| APURA               | 533845             | TM5171CL00                                 |
| APURA               | 533846             | TM5171CL01                                 |
| APURA               | 1057281            | TM5171CO01                                 |
| APURA               | 1057285            | TM5171CO09                                 |
| APURA               | 115375             | TM5171EC01                                 |

| Trademark        | Application number | Case number according to internal database |
|------------------|--------------------|--------------------------------------------|
| APURA            | 115374             | TM5171EC09                                 |
| APURA            | 494353             | TM5171MX01                                 |
| APURA            | 221689             | TM5171IE00                                 |
| APURA            | [not available]    | TM5171AD00                                 |
| APURA            | 34581              | TM5171MT01                                 |
| APURA            | 60580              | TM5171CY01                                 |
| APURA            | 12012-2001         | TM5171VE01                                 |
| APURA            | 12011-2001         | TM5171VE09                                 |
| APURA            | 2001 10939         | TM5171HK00                                 |
| APURA            | 1026137            | TM5171IN00                                 |
| APURA            | 1026138            | TM5171IN01                                 |
| APURA            | 2001-15596         | TM5171ID01                                 |
| APURA            | 2001-15597         | TM5171ID09                                 |
| APURA            | 150568             | TM5171IL01                                 |
| APURA            | 63597              | TM5171JO01                                 |
| APURA            | 63598              | TM5171JO09                                 |
| APURA            | 40-2001-29929      | TM5171KR00                                 |
| APURA            | 88105              | TM5171LB00                                 |
| APURA            | 2001-08624         | TM5171MY01                                 |
| APURA            | 2001-08625         | TM5171MY09                                 |
| APURA            | 641130             | TM5171NZ00                                 |
| APURA            | 172325             | TM5171PK01                                 |
| APURA            | 4-2001-04892       | TM5171PH00                                 |
| APURA            | 71948              | TM5171SA01                                 |
| APURA            | 71949              | TM5171SA09                                 |
| APURA            | 2001/11591         | TM5171ZA01                                 |
| APURA            | 2001/11592         | TM5171ZA09                                 |
| APURA            | [not available]    | TM5171SY00                                 |
| APURA            | 90027809           | TM5171TW01                                 |
| APURA            | 460260             | TM5171TH01                                 |
| APURA            | 34582              | TM5171MT09                                 |
| APURA            | 494348             | TM5171MX09                                 |
| APURA            | 3377546            | TM5171CN01                                 |
| APURA            | 16008              | TM5171PY01                                 |
| APURA            | 6378               | TM5171KO00                                 |
| APURA            | 1112305            | TM5171CA00                                 |
| APURA            | 85417673           | TM5171US01                                 |
| APURA            | 90027810           | TM5171TW00                                 |
| APURA            | 460261             | TM5171TH09                                 |
| APURA            | 77767              | TM5171SY09                                 |
| APURA (KATAKANA) | 2006-60 658        | TM3774JP00                                 |
| AQUAMERCK        | 390154             | TM5193WO00                                 |
| AQUAMERCK        | 811 732 002        | TM5193BR01                                 |
| AQUAMERCK        | 1968/79            | TM5193IE00                                 |
| AQUAMERCK        | M30431/1WZ         | TM5193DE00                                 |
| AQUAMERCK        | 1103991            | TM5193AR01                                 |
| AQUAMERCK        | 56942              | TM5193IR00                                 |
| AQUAMERCK        | 51442/71           | TM5193JP00                                 |
| AQUAMERCK        | 130437             | TM5193MX01                                 |
| AQUAMERCK        | 38558              | TM5193PE01                                 |
| AQUAMERCK        | 3038/79            | TM5193DK00                                 |
| AQUAMERCK        | 177162             | TM5193UY00                                 |
| AQUAMERCK        | 430                | TM5193EC01                                 |
| AQUAMERCK        | 6379               | TM5193KO00                                 |
| AQUAMERCK        | 1118240            | TM5193GB00                                 |
| AQUAMERCK        | 51443/71           | TM7574JP00                                 |
| (KATA)           |                    |                                            |
| AQUAQUANT        | 98745              | TM5204GR00                                 |
| AQUAQUANT        | 420631             | TM5204WO00                                 |
| AQUAQUANT        | M39844/1WZ         | TM5204DE00                                 |
| AQUAQUANT        | 1.103.995          | TM5204AR01                                 |
| AQUAQUANT        | 4814/75            | TM5204DK00                                 |
| AQUAQUANT        | 1054802            | TM5204GB00                                 |
| AQUAQUANT        | 41471              | TM5204IL01                                 |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Trademark            | Application number | Case number according to internal database |
|----------------------|--------------------|--------------------------------------------|
| AQUAQUANT            | 75-5005            | TM5204SE00                                 |
| AQUAQUANT            | 108561             | TM5204MX09                                 |
| AQUAQUANT            | 3124/75            | TM5204IE00                                 |
| AQUAQUANT            | 14.357/M-75        | TM5204BR01                                 |
| AQUAQUANT            | 177.166            | TM5204UY00                                 |
| AQUAQUANT            | 3736               | TM5204EC01                                 |
| AQUAQUANT            | 6377               | TM5204KO01                                 |
| AQUAQUANT (KATAKANA) | 134364/1975        | TM4887JP00                                 |
| AQUASTAR             | 1335308            | TM5226WO00                                 |
| AQUASTAR             | 015703705          | TM5226EU00                                 |
| AQUASTAR             | 73/555,000         | TM5226US00                                 |
| AQUASTAR             | 658,473            | TM5226CA00                                 |
| AQUASTAR             | SM-03900-2016      | TM5226BO09                                 |
| AQUASTAR             | 3527323            | TM5226AR01                                 |
| AQUASTAR             | 3527324            | TM5226AR09                                 |
| AQUASTAR             | 251669             | TM5226PA00                                 |
| AQUASTAR             | 2016-07726         | TM5226GT01                                 |
| AQUASTAR             | 2016-07725         | TM5226GT09                                 |
| AQUASTAR             | 2016-007261        | TM5226CR00                                 |
| AQUASTAR             | 2016/21768         | TM5226ZA01                                 |
| AQUASTAR             | 2016/21769         | TM5226ZA09                                 |
| AQUASTAR             | 160100883          | TM5226TH01                                 |
| AQUASTAR             | 160100884          | TM5226TH09                                 |
| AQUASTAR             | 105044341          | TM5226TW00                                 |
| AQUASTAR             | 428546             | TM5226PK01                                 |
| AQUASTAR             | 428545             | TM5226PK09                                 |
| AQUASTAR             | D002016035693      | TM5226ID00                                 |
| AQUASTAR             | 2016063817         | TM5226MY01                                 |
| AQUASTAR             | 2016063821         | TM5226MY09                                 |
| AQUASTAR             | 303854728          | TM5226HK00                                 |
| AQUASTAR             | 302016021766       | TM5226DE00                                 |
| AQUASTAR             | 2016-012074        | TM5226VE01                                 |
| AQUASTAR             | 2016-012075        | TM5226VE09                                 |
| AQUASTAR             | 476.574            | TM5226UY00                                 |
| AQUASTAR             | 671425             | TM5226PE00                                 |
| AQUASTAR             | 50196              | TM5226PY01                                 |
| AQUASTAR             | 50197/2016         | TM5226PY09                                 |
| AQUASTAR             | IEPI-2016-69196    | TM5226EC01                                 |
| AQUASTAR             | IEPI-2016-69198    | TM5226EC09                                 |
| AQUASTAR             | 1240824            | TM5226CL00                                 |
| AQUASTAR             | 911421327          | TM5226BR01                                 |
| AQUASTAR             | 911421416          | TM5226BR09                                 |
| AQUASTAR             | SM-03899-2016      | TM5226BO01                                 |
| AQUASTAR             | D002016035695      | TM5226ID09                                 |
| AQUATEX              | M58124/1WZ         | TM5237DE00                                 |
| AQUATEX              | 538813             | TM5237WO00                                 |
| AQUATEX              | 85662588           | TM5237US03                                 |
| ASSURANCE            | 74027922           | TM26284US00                                |
| ASSURESWAB           | 75545899           | TM26282US00                                |
| AUXILLASE            | 003341451          | TM5719EU00                                 |
| AUXILLASE            | 413412             | TM5719WO00                                 |
| AUXILLASE            | 136514             | TM5719IE00                                 |
| AUXILLASE            | 98744              | TM5719GR00                                 |
| AUXILLASE            | M24292/1WZ         | TM5719DE00                                 |
| AUXILLASE            | 4647/76            | TM5719DK00                                 |
| AUXILLASE            | 1069851            | TM5719GB00                                 |
| AUXILLASE            | 76-4910            | TM5719SE00                                 |
| AUXILLASE            | 6374               | TM5719KO00                                 |
| AUXILLASE            | 2.860.852          | TM5719AR01                                 |
| AUXILLASE            | 28925              | TM5719CL00                                 |
| AUXILLIN             | 438890             | TM5730WO00                                 |
| AUXILLIN             | 6370               | TM5730KO01                                 |
| BACTIDENT            | 465572             | TM5862WO00                                 |
| BACTIDENT            | M41807/1WZ         | TM5862DE00                                 |
| BENZONASE            | 003320694          | TM6259EU00                                 |
| BENZONASE            | 902192             | TM6259NO00                                 |
| BENZONASE            | 88-8763            | TM6259SE00                                 |
| BENZONASE            | 8943               | TM6259CH00                                 |

| Trademark         | Application number | Case number according to internal database |
|-------------------|--------------------|--------------------------------------------|
| BENZONASE         | B85917/1WZ         | TM6259DE00                                 |
| BENZONASE         | 2652036            | TM6259JP00                                 |
| BENZONASE         | 73/791.115         | TM6259US00                                 |
| BENZONASE         | 628.854            | TM6259CA00                                 |
| BENZONASE         | 398 28 756.2       | TM6259DE01                                 |
| BENZONASE         | 720566             | TM6259BX00                                 |
| BENZONASE         | VA07053/1988       | TM6259DK01                                 |
| BENZONASE         | 1361810            | TM6259GB00                                 |
| BENZONASE         | 4565/88            | TM6259FI00                                 |
| BENZONASE         | 965275             | TM6259FR00                                 |
| BENZONASE         | 42196-C/88         | TM6259IT00                                 |
| BENZONASE         | 501081             | TM6259AU00                                 |
| BENZONASE         | 71034              | TM6259IL01                                 |
| BENZONASE         | 5200/88            | TM6259IE00                                 |
| BENZONASE (KATA)  | 2652037            | TM6270JP00                                 |
| BEVIFLEX          | 006250161          | TM9509EU00                                 |
| BEVIFLEX          | 2007-110348        | TM9509JP00                                 |
| BINARY TECHNOLOGY | 76308883           | TM26285US00                                |
| BIOCHROM-LOGO 1   | 1060495            | TM24324DE00                                |
| BIOCHROM-LOGO 1   | 495054             | TM24324WO00                                |
| BIOCONTROL        | 176156             | TM26247EU00                                |
| BIOCONTROL        | 73568451           | TM26247US00                                |
| BIOQUANT          | 557441             | TM6789WO00                                 |
| BIOQUANT          | M65956/1WZ         | TM6789DE00                                 |
| CAPROD            | 002945087          | TM7317EU00                                 |
| CAPROD            | 302 36 955.4       | TM7317DE00                                 |
| CAPROD            | 78/188,563         | TM7317US00                                 |
| CAPROD            | 2002-103 663       | TM7317JP00                                 |
| CEDUKOL           | 029528             | TM6967WO00                                 |
| CEDUKOL           | M36475/1WZ         | TM6967DE00                                 |
| CEDUKOL           | 6367               | TM6967KO00                                 |
| CELLORAMA         | 008470023          | TM8837EU00                                 |
| CELLVANTAGE       | 30 2012 028 541.4  | TM24258DE00                                |
| CELLVENTO         | 30 2012 032 601.3  | TM24265DE00                                |
| CELLVENTO         | 1144029            | TM24265WO00                                |
| CELLVENTO         | 3211220            | TM24265AR00                                |
| CELLVENTO         | 840333170          | TM24265BR00                                |
| CELLVENTO         | 011368149          | TM24265EU00                                |
| CELLVENTO         | 2431194            | TM24265IN00                                |
| CELLVENTO         | 1327611            | TM24265MX00                                |
| CELLVENTO         | 101064700          | TM24265TW00                                |
| CELLVENTO         | 2012-024876        | TM24265VE00                                |
| CELLVENTO         | 3211221            | TM24265AR05                                |
| CELLVENTO         | 840333218          | TM24265BR05                                |
| CELLVENTO         | 1327613            | TM24265MX05                                |
| CELLVENTO         | 2012-024875        | TM24265VE05                                |
| CERTIPUR          | 727666             | TM7019WO00                                 |
| CERTIPUR          | 003323441          | TM7019EU00                                 |
| CERTIPUR          | 399 40 091.5       | TM7019DE00                                 |
| CERTIPUR          | D0018831           | TM7019ID01                                 |
| CERTIPUR          | D0018826           | TM7019ID09                                 |
| CERTIPUR          | 950114             | TM7019IN00                                 |
| CERTIPUR          | 950115             | TM7019IN01                                 |
| CERTIPUR          | 76/331570          | TM7019US00                                 |
| CERTIPUR          | 1130995            | TM7019CA00                                 |
| CERTIPUR          | 2263991            | TM7019AR01                                 |
| CERTIPUR          | 573926             | TM7019CL00                                 |
| CERTIPUR          | 2263992            | TM7019AR09                                 |
| CERTIPUR          | 822544628          | TM7019BR01                                 |
| CERTIPUR          | 822544679          | TM7019BR09                                 |
| CERTIPUR          | 473434             | TM7019CL01                                 |
| CERTIPUR          | 3732               | TM7019CO01                                 |
| CERTIPUR          | 3734               | TM7019CO09                                 |
| CERTIPUR          | 407483             | TM7019MX01                                 |
| CERTIPUR          | 718-2000           | TM7019VE01                                 |
| CERTIPUR          | 719-2000           | TM7019VE09                                 |
| CERTIPUR          | T00/15007D         | TM7019SG09                                 |
| CERTIPUR          | 846662             | TM7019AU00                                 |

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| Trademark                            | Application number  | Case number according to internal database |
|--------------------------------------|---------------------|--------------------------------------------|
| CERTIPUR                             | 2000/16528          | TM7019ZA01                                 |
| CERTIPUR                             | 2000/16529          | TM7019ZA09                                 |
| CERTIPUR                             | 2000/1254           | TM7019NA01                                 |
| CERTIPUR                             | 2000/1255           | TM7019NA09                                 |
| CERTIPUR                             | 2000/00311          | TM7019LS00                                 |
| CERTIPUR                             | BW/M/00/00804       | TM7019BW00                                 |
| CERTIPUR                             | 4-2000-08008        | TM7019PH00                                 |
| CERTIPUR                             | 2000-12729          | TM7019MY01                                 |
| CERTIPUR                             | 2000-12815          | TM7019MY09                                 |
| CERTIPUR                             | 432215              | TM7019TH01                                 |
| CERTIPUR                             | 432216              | TM7019TH09                                 |
| CERTIPUR                             | 89049081            | TM7019TW00                                 |
| CERTIPUR                             | 89049080            | TM7019TW01                                 |
| CERTIPUR                             | T00/15006F          | TM7019SG01                                 |
| CERTIPUR                             | 99318               | TM7019PE01                                 |
| CERTIPUR                             | 99336               | TM7019PE09                                 |
| CERTIPUR (KATAKANA)                  | 2006-48 651         | TM3772JP00                                 |
| CERTISTAIN                           | 386172              | TM7020AU00                                 |
| CERTISTAIN                           | 122781/1995         | TM7020JP00                                 |
| CERTISTAIN                           | M51676/1WZ          | TM7020DE00                                 |
| CERTISTAIN                           | 166/83              | TM7020DK00                                 |
| CERTISTAIN                           | 83-0111             | TM7020SE00                                 |
| CERTISTAIN                           | 561,792             | TM7020CA00                                 |
| CERTISTAIN                           | 811077357           | TM7020BR01                                 |
| CERTISTAIN                           | 1188588             | TM7020GB00                                 |
| CERTISTAIN                           | 169/83              | TM7020FI00                                 |
| CERTISTAIN                           | R002003-00231-00231 | TM7020ID01                                 |
| CERTISTAIN                           | 590,740             | TM7020US00                                 |
| CERTISTAIN                           | 213946              | TM7020MX01                                 |
| CERTISTAIN                           | 830078              | TM7020NO00                                 |
| CERTISTAIN                           | 83/0151             | TM7020ZA01                                 |
| CERTISTAIN                           | 473898              | TM7020WO00                                 |
| CFL-LOGO 1 (Chemische Fabrik Lehrte) | 302014020807        | TM24860DE00                                |
| CFL-LOGO 2 (Chemische Fabrik Lehrte) | 012532438           | TM24861EU00                                |
| CFL-LOGO 2 (Chemische Fabrik Lehrte) | 302014020808        | TM24861DE00                                |
| CHEMIZORB                            | 770106              | TM7034WO00                                 |
| CHEMIZORB                            | 002980340           | TM7034EU00                                 |
| CHEMIZORB                            | M52410/1WZ          | TM7034DE00                                 |
| CHEMIZORB                            | 824164946           | TM7034BR01                                 |
| CHEMIZORB                            | 85786676            | TM7034US01                                 |
| CHIRADEX                             | 583326              | TM7035WO00                                 |
| CHIRADEX                             | 010105682           | TM7035EU00                                 |
| CHIRADEX                             | 1225/92             | TM7035DK00                                 |
| CHIRADEX                             | 807/92              | TM7035FI00                                 |
| CHIRADEX                             | 92-01499            | TM7035SE00                                 |
| CHIRADEX                             | 74-262,639          | TM7035US00                                 |
| CHIRADEX                             | 22055/1992          | TM7035JP00                                 |
| CHIRASEP                             | 1536449             | TM7038GB00                                 |
| CHIRASEP                             | 599438              | TM7038WO00                                 |
| CHIRASEP                             | M72194/1WZ          | TM7038DE00                                 |
| CHIRASEP katakana                    | 30366/1993          | TM7038JP00                                 |
| CHROMOCULT                           | 003338548           | TM7054EU00                                 |
| CHROMOCULT                           | 1 014 202           | TM7054WO01                                 |
| CHROMOCULT                           | 595442              | TM7054WO00                                 |
| CHROMOCULT                           | 1520272             | TM7054GB00                                 |
| CHROMOCULT                           | 75/246260           | TM7054US00                                 |
| CHROMOCULT                           | 847,927             | TM7054CA00                                 |
| CHROMOCULT                           | 30 2009 013 953.9   | TM7054DE00                                 |
| CHROMOCULT                           | 30569/1994          | TM7054JP00                                 |
| CHROMOCULT                           | M72189/5WZ          | TM7054DE01                                 |
| CHROMOCULT                           | 77820647            | TM7054US01                                 |

| Trademark        | Application number | Case number according to internal database |
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| CHROMOCULT       | 2009-05779         | TM7054GT00                                 |
| CHROMOCULT       | 398379             | TM7054PE00                                 |
| CHROMOCULT       | 09.093.627         | TM7054CO01                                 |
| CHROMOCULT       | 812050             | TM7054NZ01                                 |
| CHROMOCULT       | 098038555          | TM7054TW01                                 |
| CHROMOCULT       | 2009/17068         | TM7054ZA01                                 |
| CHROMOCULT       | 223236             | TM7054IL01                                 |
| CHROMOCULT       | 742995             | TM7054TH01                                 |
| CHROMOCULT       | 2.941.399          | TM7054AR01                                 |
| CHROMOCULT       | 830376402          | TM7054BR01                                 |
| CHROMOCULT       | 876.909            | TM7054CL01                                 |
| CHROMOCULT       | 218910             | TM7054EC01                                 |
| CHROMOCULT       | 301418850          | TM7054HK01                                 |
| CHROMOCULT       | D00-2009-029797    | TM7054ID01                                 |
| CHROMOCULT       | 1857848            | TM7054IN01                                 |
| CHROMOCULT       | 1032693            | TM7054MX01                                 |
| CHROMOCULT       | 4-2009-008855      | TM7054PH01                                 |
| CHROMOCULT       | 147088             | TM7054SA01                                 |
| CHROMOCULT       | 2009-014554        | TM7054VE01                                 |
| CHROMOCULT       | 271955             | TM7054PK01                                 |
| CHROMOCULT       | 1450709            | TM7054CA01                                 |
| CHROMOCULT       | 09015187           | TM7054MY01                                 |
| CHROMOFAS (KATA) | 45606/1998         | TM7056JP00                                 |
| CHROMOLITH       | 746681             | TM7058WO00                                 |
| CHROMOLITH       | 003336872          | TM7058EU00                                 |
| CHROMOLITH       | 300 40 262.7       | TM7058DE00                                 |
| CHROMOLITH       | 147750             | TM7058IL09                                 |
| CHROMOLITH       | 621151             | TM7058NZ00                                 |
| CHROMOLITH       | 621150             | TM7058NZ01                                 |
| CHROMOLITH       | 2000-12610         | TM7058MY01                                 |
| CHROMOLITH       | 2000-12611         | TM7058MY09                                 |
| CHROMOLITH       | 40-200040047       | TM7058KR00                                 |
| CHROMOLITH       | 58604              | TM7058JO01                                 |
| CHROMOLITH       | 58506              | TM7058JO09                                 |
| CHROMOLITH       | T00/14845B         | TM7058SG01                                 |
| CHROMOLITH       | 4-2000-07416       | TM7058PH00                                 |
| CHROMOLITH       | 165585             | TM7058PK01                                 |
| CHROMOLITH       | 165583             | TM7058PK09                                 |
| CHROMOLITH       | 432214             | TM7058TH01                                 |
| CHROMOLITH       | 448801             | TM7058TH09                                 |
| CHROMOLITH       | 89049083           | TM7058TW00                                 |
| CHROMOLITH       | 89049082           | TM7058TW01                                 |
| CHROMOLITH       | 2000/16289         | TM7058ZA01                                 |
| CHROMOLITH       | 2000/16290         | TM7058ZA09                                 |
| CHROMOLITH       | 2311135            | TM7058AR09                                 |
| CHROMOLITH       | 823046893          | TM7058BR01                                 |
| CHROMOLITH       | 823046907          | TM7058BR09                                 |
| CHROMOLITH       | 496249             | TM7058CL00                                 |
| CHROMOLITH       | 496250             | TM7058CL01                                 |
| CHROMOLITH       | 59932              | TM7058CO01                                 |
| CHROMOLITH       | 59930              | TM7058CO09                                 |
| CHROMOLITH       | 106503             | TM7058EC01                                 |
| CHROMOLITH       | 106502             | TM7058EC09                                 |
| CHROMOLITH       | 6668               | TM7058GT01                                 |
| CHROMOLITH       | 6670               | TM7058GT09                                 |
| CHROMOLITH       | 2311134            | TM7058AR01                                 |
| CHROMOLITH       | 441025             | TM7058MX01                                 |
| CHROMOLITH       | 441026             | TM7058MX09                                 |
| CHROMOLITH       | 111286             | TM7058PE01                                 |
| CHROMOLITH       | 111285             | TM7058PE09                                 |
| CHROMOLITH       | 014109             | TM7058VE01                                 |
| CHROMOLITH       | 014107             | TM7058VE09                                 |
| CHROMOLITH       | 76/121809          | TM7058US00                                 |
| CHROMOLITH       | 1074668            | TM7058CA00                                 |
| CHROMOLITH       | 144994             | TM7058GR00                                 |
| CHROMOLITH       | 222343             | TM7058IE00                                 |
| CHROMOLITH       | 441025             | TM7058MX28                                 |
| CHROMOLITH       | 6361               | TM7058KO00                                 |

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| CHROMOLITH               | 846661             | TM7058AU00                                 |
| CHROMOLITH               | 2000 18287         | TM7058HK00                                 |
| CHROMOLITH               | 2000 18891         | TM7058HK01                                 |
| CHROMOLITH               | 474872             | TM7058IN00                                 |
| CHROMOLITH               | 950117             | TM7058IN01                                 |
| CHROMOLITH               | D00 24446          | TM7058ID01                                 |
| CHROMOLITH               | D00 24447          | TM7058ID09                                 |
| CHROMOLITH               | 147749             | TM7058IL01                                 |
| CHROMOLITH               | T00/14846J         | TM7058SG09                                 |
| CHROMOLITH (kata)        | 2000-113 399       | TM7059JP00                                 |
| CHROMOPLATE              | M75811/1WZ         | TM7060DE00                                 |
| CLAROCARBON              | 055294             | TM7090WO00                                 |
| CLAROCARBON              | 6362               | TM7090KO00                                 |
| COLI COMPLETE            | 74050804           | TM26278US00                                |
| COLI CONFIRM             | 74050803           | TM26281US00                                |
| COLITRAK                 | 73770676           | TM26279US00                                |
| COLITRAK PLUS and design | 73770675           | TM26280US00                                |
| COLLICHECK               | 1824147            | TM8786IN00                                 |
| COLORPHAST               | 30 2011 042 407.1  | TM7132DE00                                 |
| CULT DIP                 | M73691/5WZ         | TM7413DE00                                 |
| CULT DIP COMBI           | M73692/5WZ         | TM7418DE00                                 |
| CULT-DIP                 | 93-394.000         | TM7420CO01                                 |
| CYTOCOLOR                | 98739              | TM7463GR00                                 |
| CYTOCOLOR                | M50472/5WZ         | TM7463DE00                                 |
| CYTOCOLOR                | 82-3663            | TM7463SE00                                 |
| CYTOCOLOR                | 2687/82            | TM7463DK00                                 |
| CYTOCOLOR                | 497,361            | TM7463CA00                                 |
| CYTOCOLOR                | 1698/82            | TM7463IE00                                 |
| CYTOCOLOR                | 1699/82            | TM7463IE01                                 |
| CYTOCOLOR                | 470043             | TM7463WO00                                 |
| CYTOCOLOR                | 6356               | TM7463KO00                                 |
| DILUCULT                 | 015777469          | TM26134EU09                                |
| DRISOLV                  | 75/215,465         | TM8456US00                                 |
| DRISOLV                  | 083617700          | TM8456CA00                                 |
| DRYPOUR                  | 30 2012 049 768.3  | TM24327DE00                                |
| DRYPOUR                  | 85739654           | TM24327US00                                |
| DRYPOUR                  | 1599312            | TM24327CA00                                |
| DUOPATH                  | 799698             | TM7323WO00                                 |
| DUOPATH                  | 302 38 245.3       | TM7323DE00                                 |
| DUOPATH                  | 78212355           | TM7323US00                                 |
| DUOPATH                  | 2544112            | TM7323AR01                                 |
| DUOPATH                  | 2544111            | TM7323AR05                                 |
| DUOPATH                  | 826931995          | TM7323BR01                                 |
| DUOPATH                  | 826932002          | TM7323BR05                                 |
| DUOPATH                  | 660.772            | TM7323CL00                                 |
| DUOPATH                  | 2004/16821         | TM7323ZA01                                 |
| DUOPATH                  | 2004/16822         | TM7323ZA05                                 |
| DUOPATH                  | 93044222           | TM7323TW00                                 |
| DUOPATH (KATAKANA)       | 2005-39 712        | TM3245JP00                                 |
| ECOCART                  | 1530136            | TM2643GB00                                 |
| ECOCART                  | 30367/1993         | TM2643JP00                                 |
| ECOCART                  | M74856/9WZ         | TM2643DE00                                 |
| ECOCART                  | 599564             | TM2643WO00                                 |
| ECOCART                  | M72195/1WZ         | TM2643DE02                                 |
| ECOCULT                  | 013576996          | TM25166EU00                                |
| ECOCULT                  | 1241478            | TM25167WO00                                |
| ECOCULT                  | 302014075508       | TM25167DE00                                |
| ECOCULT                  | 3375744            | TM25166AR00                                |
| ECOCULT                  | 908819250          | TM25166BR00                                |
| ECOCULT                  | 2014014156         | TM25166MY00                                |
| ECOCULT                  | D00.2014.059320    | TM25166ID00                                |
| ECOCULT                  | 2015-000226        | TM25166VE01                                |
| ECOCULT                  | 2015-000227        | TM25166VE05                                |
| ECOCULT                  | 461147             | TM25166UY00                                |
| ECOCULT                  | 600732             | TM25166PE00                                |
| ECOCULT                  | 572233/2014        | TM25166PY01                                |
| ECOCULT                  | 57234/2014         | TM25166PY05                                |

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| ECOCULT                        | IEPI-2014-33602    | TM25166EC01                                |
| ECOCULT                        | IEPI-2014-33609    | TM25166EC05                                |
| ECOCULT                        | 1136222            | TM25166CL00                                |
| ECOCULT                        | 1709743            | TM25166CA00                                |
| ECOCULT                        | 103073271          | TM25166TW00                                |
| ECOCULT                        | 971415             | TM25166TH01                                |
| ECOCULT                        | 971416             | TM25166TH05                                |
| ECOCULT                        | 2014/34946         | TM25166ZA00                                |
| ECOCULT                        | 600733             | TM25166PE01                                |
| ECOCULT                        | 2014014157         | TM25166MY01                                |
| ECOCULT                        | D00.2014.059321    | TM25166ID01                                |
| ECOCULT                        | 3375745            | TM25166AR01                                |
| ECOCULT                        | 2014/34947         | TM25166ZA01                                |
| ECOCULT                        | 908819293          | TM25166BR01                                |
| ECOCULT IN CHINESE             | 16411558           | TM25166CN00                                |
| ECOCULT IN CHINESE             | 2015002050         | TM25166MY02                                |
| ECOCULT IN CHINESE             | 2015002051         | TM25166MY03                                |
| ECOCULT IN CHINESE             | 40201503581Y       | TM25166SG00                                |
| ECOCULT IN CHINESE (TAIWANESE) | 104010311          | TM25166TW01                                |
| ECOCULT IN KATAKANA            | 2015-13123         | TM25166JP00                                |
| ECOCULT IN KATAKANA            | 40-2015-0011987    | TM25166KR00                                |
| EM QUANT                       | 386,099            | TM2923US00                                 |
| EMPARTA                        | 957070             | TM4229WO00                                 |
| EMPARTA                        | 307 54 029.4       | TM4229DE00                                 |
| EMPARTA                        | F/TM/2008/0171     | TM4229NG01                                 |
| EMPARTA                        | F/TM/2008/0170     | TM4229NG05                                 |
| EMPARTA                        | D00-2008005546     | TM4229ID01                                 |
| EMPARTA                        | 1654341            | TM4229IN00                                 |
| EMPARTA                        | 784332             | TM4229NZ00                                 |
| EMPARTA                        | 4-2008-001921      | TM4229PH00                                 |
| EMPARTA                        | 301052630          | TM4229HK00                                 |
| EMPARTA                        | 388.890            | TM4229UY00                                 |
| EMPARTA                        | 127181             | TM4229SA01                                 |
| EMPARTA                        | 127182             | TM4229SA05                                 |
| EMPARTA                        | 4791/2008          | TM4229PY01                                 |
| EMPARTA                        | 4792/2008          | TM4229PY05                                 |
| EMPARTA                        | 097006625          | TM4229TW00                                 |
| EMPARTA                        | 687267             | TM4229TH01                                 |
| EMPARTA                        | 687268             | TM4229TH05                                 |
| EMPARTA                        | 2.804.293          | TM4229AR01                                 |
| EMPARTA                        | 2.804.294          | TM4229AR05                                 |
| EMPARTA                        | 829601902          | TM4229BR01                                 |
| EMPARTA                        | 829601856          | TM4229BR05                                 |
| EMPARTA                        | 344812             | TM4229PE01                                 |
| EMPARTA                        | 344664             | TM4229PE05                                 |
| EMPARTA                        | 08002821           | TM4229MY01                                 |
| EMPARTA                        | 08002822           | TM4229MY05                                 |
| EMPARTA                        | 2008/03368         | TM4229ZA01                                 |
| EMPARTA                        | 2008/03369         | TM4229ZA05                                 |
| EMPARTA                        | 914515             | TM4229MX05                                 |
| EMPARTA                        | 1383609            | TM4229CA00                                 |
| EMPARTA                        | 08.015.625         | TM4229CO01                                 |
| EMPARTA                        | 08.015.634         | TM4229CO05                                 |
| EMPARTA                        | 77/397,908         | TM4229US00                                 |
| EMPARTA                        | D00-2008005547     | TM4229ID05                                 |
| EMPARTA                        | 807.861            | TM4229CL00                                 |
| EMPARTA                        | 2008-00617         | TM4229NI00                                 |
| EMPARTA                        | SM-0951-08         | TM4229BO01                                 |
| EMPARTA                        | SM-0952-08         | TM4229BO05                                 |
| EMPARTA                        | 98285              | TM4229JO01                                 |
| EMPARTA                        | 98284              | TM4229JO05                                 |

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| EMPARTA               | 208433             | TM4229IL01                                 |
| EMPARTA               | 208434             | TM4229IL05                                 |
| EMPARTA               | 2008-0026218       | TM4229VE01                                 |
| EMPARTA               | 2008-002619        | TM4229VE05                                 |
| EMPARTA               | 2008-001356        | TM4229CR01                                 |
| EMPARTA               | 2008-001357        | TM4229CR05                                 |
| EMPARTA               | 01261-08           | TM4229GT01                                 |
| EMPARTA               | 01262-08           | TM4229GT05                                 |
| EMPARTA               | 92317              | TM4229KW01                                 |
| EMPARTA               | 92318              | TM4229KW05                                 |
| EMPARTA               | 107344             | TM4229AE01                                 |
| EMPARTA               | 107345             | TM4229AE05                                 |
| EMPARTA               | 246662             | TM4229PK01                                 |
| EMPARTA               | 246661             | TM4229PK05                                 |
| EMPARTA               | 195360             | TM4229EC01                                 |
| EMPARTA               | 195361             | TM4229EC05                                 |
| EMPARTA               | 914517             | TM4229MX01                                 |
| EMPARTA<br>(KATAKANA) | 2008 - 15 210      | TM4499JP00                                 |
| EMPICA                | 08.015.611         | TM4228CO01                                 |
| EMPICA                | 08.015.613         | TM4228CO05                                 |
| EMPICA                | 097006626          | TM4228TW00                                 |
| EMPICA                | 2008-001355        | TM4228CR01                                 |
| EMPICA                | 2008-001354        | TM4228CR05                                 |
| EMPICA                | 388.889            | TM4228UY00                                 |
| EMPICA                | 2008-002616        | TM4228VE01                                 |
| EMPICA                | 2008-002617        | TM4228VE05                                 |
| EMPICA                | 4793/2008          | TM4228PY01                                 |
| EMPICA                | 4794/2008          | TM4228PY05                                 |
| EMPICA                | 344814             | TM4228PE01                                 |
| EMPICA                | 344663             | TM4228PE05                                 |
| EMPICA                | 2008-00616         | TM4228NI00                                 |
| EMPICA                | SM-0949-08         | TM4228BO01                                 |
| EMPICA                | SM-0950-08         | TM4228BO05                                 |
| EMPICA                | 195358             | TM4228EC01                                 |
| EMPICA                | 195359             | TM4228EC05                                 |
| EMPICA                | 01263-08           | TM4228GT01                                 |
| EMPICA                | 01264-08           | TM4228GT05                                 |
| EMPICA                | 807.860            | TM4228CL00                                 |
| EMPICA<br>(KATAKANA)  | 2008-15 212        | TM4498JP00                                 |
| EMPLURA               | 958625             | TM4227WO00                                 |
| EMPLURA               | 307 54 030.8       | TM4227DE00                                 |
| EMPLURA               | 2008-002612        | TM4227VE01                                 |
| EMPLURA               | 2008-002613        | TM4227VE05                                 |
| EMPLURA               | 92319              | TM4227KW01                                 |
| EMPLURA               | 92320              | TM4227KW05                                 |
| EMPLURA               | 1383610            | TM4227CA00                                 |
| EMPLURA               | 914514             | TM4227MX01                                 |
| EMPLURA               | 914512             | TM4227MX05                                 |
| EMPLURA               | 246669             | TM4227PK01                                 |
| EMPLURA               | 2008-001359        | TM4227CR01                                 |
| EMPLURA               | 2008-001360        | TM4227CR05                                 |
| EMPLURA               | 2008-001922        | TM4227PH00                                 |
| EMPLURA               | 195362             | TM4227EC01                                 |
| EMPLURA               | 195363             | TM4227EC05                                 |
| EMPLURA               | 2008-00618         | TM4227NI00                                 |
| EMPLURA               | 107346             | TM4227AE01                                 |
| EMPLURA               | 107347             | TM4227AE05                                 |
| EMPLURA               | 807.862            | TM4227CL00                                 |
| EMPLURA               | D00-2008-005549    | TM4227ID01                                 |
| EMPLURA               | 1654340            | TM4227IN00                                 |
| EMPLURA               | 08.015.636         | TM4227CO01                                 |
| EMPLURA               | 08.015.638         | TM4227CO05                                 |
| EMPLURA               | 784334             | TM4227NZ00                                 |
| EMPLURA               | 98279              | TM4227JO01                                 |
| EMPLURA               | 92827              | TM4227JO05                                 |
| EMPLURA               | 097006624          | TM4227TW00                                 |
| EMPLURA               | 687271             | TM4227TH01                                 |

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| EMPLURA                    | 687272             | TM4227TH05                                 |
| EMPLURA                    | F/TM/2008/0169     | TM4227NG01                                 |
| EMPLURA                    | F/TM/2008/4153     | TM4227NG05                                 |
| EMPLURA                    | 77397932           | TM4227US00                                 |
| EMPLURA                    | D00-2008-005548    | TM4227ID05                                 |
| EMPLURA                    | 01265-08           | TM4227GT01                                 |
| EMPLURA                    | 01266-08           | TM4227GT05                                 |
| EMPLURA                    | 301052621          | TM4227HK00                                 |
| EMPLURA                    | 08002823           | TM4227MY01                                 |
| EMPLURA                    | 08002824           | TM4227MY05                                 |
| EMPLURA                    | 127183             | TM4227SA01                                 |
| EMPLURA                    | 127184             | TM4227SA05                                 |
| EMPLURA                    | 2.804.295          | TM4227AR01                                 |
| EMPLURA                    | 2.804.296          | TM4227AR05                                 |
| EMPLURA                    | 829601821          | TM4227BR01                                 |
| EMPLURA                    | 829601805          | TM4227BR05                                 |
| EMPLURA                    | 388.888            | TM4227UY00                                 |
| EMPLURA                    | 4795/2008          | TM4227PY01                                 |
| EMPLURA                    | 4796/2008          | TM4227PY05                                 |
| EMPLURA                    | 344813             | TM4227PE01                                 |
| EMPLURA                    | 344665             | TM4227PE05                                 |
| EMPLURA                    | SM-0953-08         | TM4227BO01                                 |
| EMPLURA                    | SM-0954-08         | TM4227BO05                                 |
| EMPLURA                    | 208435             | TM4227IL01                                 |
| EMPLURA                    | 208436             | TM4227IL05                                 |
| EMPLURA                    | 2008/03370         | TM4227ZA01                                 |
| EMPLURA                    | 2008/03371         | TM4227ZA05                                 |
| EMPLURA<br>(KATAKANA)      | 2008-15 213        | TM4501JP00                                 |
| EMPROVE                    | 682560             | TM3224WO00                                 |
| EMPROVE                    | 003321072          | TM3224EU00                                 |
| EMPROVE                    | 1261247            | TM3224WO01                                 |
| EMPROVE                    | M68957/5WZ         | TM3224DE01                                 |
| EMPROVE                    | 298250             | TM3224MX01                                 |
| EMPROVE                    | 819908100          | TM3224BR01                                 |
| EMPROVE                    | 2081433            | TM3224AR01                                 |
| EMPROVE                    | D97 95 86          | TM3224ID01                                 |
| EMPROVE                    | 86022476           | TM3224TW00                                 |
| EMPROVE                    | 211600             | TM3224IE00                                 |
| EMPROVE                    | 397 22 538.5       | TM3224DE02                                 |
| EMPROVE                    | 137065             | TM3224GR00                                 |
| EMPROVE                    | 75/628719          | TM3224US00                                 |
| EMPROVE                    | 860606             | TM3224CA00                                 |
| EMPROVE                    | 2011/08694         | TM3224TR00                                 |
| EMPROVE                    | 6366               | TM3224KO00                                 |
| EMPROVE                    | 103064171          | TM3224TW01                                 |
| EMPROVE                    | 3365256            | TM3224AR0007                               |
| EMPROVE                    | 3365257            | TM3224AR0009                               |
| EMPROVE                    | 3365258            | TM3224AR0010                               |
| EMPROVE                    | D00.2014.051282    | TM3224ID00                                 |
| EMPROVE                    | 86589839           | TM3224US01                                 |
| EMPROVE                    | 1701783            | TM3224CA01                                 |
| EMPROVE                    | 908544626          | TM3224BR0009                               |
| EMPROVE                    | D00.2014.051280    | TM3224ID09                                 |
| EMPROVE                    | D00.2014.051279    | TM3224ID11                                 |
| EMPROVE                    | J00.2014.051940    | TM3224ID42                                 |
| EMPROVE                    | 4-2004-02071       | TM3224PH01                                 |
| EMPROVE (Application 2014) | 013420542          | TM3224EU01                                 |
| EMPROVE (Application 2014) | 3365259            | TM3224AR0011                               |
| EMPROVE (Application 2014) | 3365260            | TM3224AR0042                               |
| EMPROVE (Application 2014) | 302014064770       | TM3224DE03                                 |
| EMPROVE (Application 2014) | 908544588          | TM3224BR0007                               |
| EMPROVE (Application 2014) | 908544723          | TM3224BR0011                               |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

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| EMPROVE (Application 2014)        | 908544782          | TM3224BR0042                               |
| EMPROVE (KATAKANA)                | 112725/1997        | TM4440JP00                                 |
| EMPROVE-LOGO 1                    | 1098687            | TM23947WO00                                |
| EMPROVE-LOGO 1                    | 010300382          | TM23947EU00                                |
| EMPROVE-LOGO 1                    | 1261248            | TM23947WO01                                |
| EMPROVE-LOGO 1                    | 30 2011 024 222.4  | TM23947DE00                                |
| EMPROVE-LOGO 1                    | 103064172          | TM23947TW01                                |
| EMPROVE-LOGO 1                    | D00.2014.05934     | TM23947ID01                                |
| EMPROVE-LOGO 1                    | D00.2014.051941    | TM23947ID09                                |
| EMPROVE-LOGO 1                    | D00.2014.051273    | TM23947ID11                                |
| EMPROVE-LOGO 1                    | J00.2014.051935    | TM23947ID42                                |
| EMPROVE-LOGO 1                    | 86589907           | TM23947US01                                |
| EMPROVE-LOGO 1                    | 1700871            | TM23947CA01                                |
| EMPROVE-LOGO 1                    | 85436025           | TM23947US00                                |
| EMPROVE-LOGO 1                    | 3119277            | TM23947AR01                                |
| EMPROVE-LOGO 1                    | 831232820          | TM23947BR05                                |
| EMPROVE-LOGO 1                    | 831232811          | TM23947BR01                                |
| EMPROVE-LOGO 1                    | D00-2011-038155    | TM23947ID00                                |
| EMPROVE-LOGO 1                    | 1215448            | TM23947MX01                                |
| EMPROVE-LOGO 1                    | 100049937          | TM23947TW00                                |
| EMPROVE-LOGO 1 (Application 2014) | 013420278          | TM23947EU01                                |
| EMPROVE-LOGO 1 (Application 2014) | 908544944          | TM23947BR0009                              |
| EMPROVE-LOGO 1 (Application 2014) | 908545029          | TM23947BR0011                              |
| EMPROVE-LOGO 1 (Application 2014) | 908545070          | TM23947BR0042                              |
| EMPROVE-LOGO 1 (Application 2014) | 3365251            | TM23947AR0007                              |
| EMPROVE-LOGO 1 (Application 2014) | 3365252            | TM23947AR0009                              |
| EMPROVE-LOGO 1 (Application 2014) | 3365253            | TM23947AR0010                              |
| EMPROVE-LOGO 1 (Application 2014) | 3365254            | TM23947AR0011                              |
| EMPROVE-LOGO 1 (Application 2014) | 3365255            | TM23947AR0042                              |
| EMPROVE-LOGO 1 (Application 2014) | 302014064769       | TM23947DE01                                |
| EMPROVE-LOGO 1 (Application 2014) | 908544871          | TM23947BR0007                              |
| EMSURE                            | 958613             | TM4185WO00                                 |
| EMSURE                            | 958613A            | TM4185WO01                                 |
| EMSURE                            | 958613B            | TM4185WO02                                 |
| EMSURE                            | 307 54 027.8       | TM4185DE02                                 |
| EMSURE                            | F/TM/2008/0175     | TM4185NG01                                 |
| EMSURE                            | F/TM/2008/0174     | TM4185NG05                                 |
| EMSURE                            | SM-0947-08         | TM4185BO01                                 |
| EMSURE                            | SM-0948-08         | TM4185BO05                                 |
| EMSURE                            | 2008-001352        | TM4185CR01                                 |
| EMSURE                            | 2008-001353        | TM4185CR05                                 |
| EMSURE                            | 2008-00619         | TM4185NI00                                 |
| EMSURE                            | 4797/2008          | TM4185PY01                                 |
| EMSURE                            | 4798/2008          | TM4185PY05                                 |
| EMSURE                            | 2.804.289          | TM4185AR01                                 |
| EMSURE                            | 2.804.290          | TM4185AR05                                 |
| EMSURE                            | 301052649          | TM4185HK00                                 |
| EMSURE                            | 92313              | TM4185KW01                                 |
| EMSURE                            | 92314              | TM4185KW05                                 |
| EMSURE                            | 807.859            | TM4185CL00                                 |
| EMSURE                            | 829601775          | TM4185BR01                                 |
| EMSURE                            | 829601759          | TM4185BR05                                 |
| EMSURE                            | 107340             | TM4185AE01                                 |
| EMSURE                            | 107341             | TM4185AE05                                 |
| EMSURE                            | 246666             | TM4185PK01                                 |
| EMSURE                            | 246667             | TM4185PK05                                 |
| EMSURE                            | 097006629          | TM4185TW00                                 |

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| EMSURE             | 687265             | TM4185TH01                                 |
| EMSURE             | 687266             | TM4185TH05                                 |
| EMSURE             | 208429             | TM4185IL01                                 |
| EMSURE             | 208430             | TM4185IL05                                 |
| EMSURE             | 08002819           | TM4185MY01                                 |
| EMSURE             | 08002818           | TM4185MY05                                 |
| EMSURE             | 01267-08           | TM4185GT01                                 |
| EMSURE             | 2008-002614        | TM4185VE01                                 |
| EMSURE             | 2010-007329        | TM4185VE05                                 |
| EMSURE             | 127178             | TM4185SA05                                 |
| EMSURE             | 127177             | TM4185SA01                                 |
| EMSURE             | 77/397,886         | TM4185US00                                 |
| EMSURE             | D00-2008-005550    | TM4185ID05                                 |
| EMSURE             | 4-2008-012396      | TM4185PH01                                 |
| EMSURE             | 2009 - 019777      | TM4185JP00                                 |
| EMSURE             | 01268-08           | TM4185GT05                                 |
| EMSURE             | 2008/03364         | TM4185ZA01                                 |
| EMSURE             | 2008/03365         | TM4185ZA05                                 |
| EMSURE             | 784330             | TM4185NZ00                                 |
| EMSURE             | 344811             | TM4185PE01                                 |
| EMSURE             | 388.887            | TM4185UY00                                 |
| EMSURE             | 914523             | TM4185MX01                                 |
| EMSURE             | 914521             | TM4185MX05                                 |
| EMSURE             | 1383607            | TM4185CA00                                 |
| EMSURE             | 98280              | TM4185JO01                                 |
| EMSURE             | 98281              | TM4185JO05                                 |
| EMSURE             | 1654343            | TM4185IN00                                 |
| EMSURE             | D00-2008-005544    | TM4185ID01                                 |
| EMSURE             | 211945             | TM4185PR001                                |
| EMSURE             | 211944             | TM4185PR005                                |
| EMSURE (KATAKANA)  | 2008-15 211        | TM4497JP00                                 |
| EMSURE (KATAKANA)  | 2009 - 22618       | TM4497JP01                                 |
| ENTELLAN           | 004287199          | TM3358EU00                                 |
| ENTELLAN           | M64043/1WZ         | TM3358DE00                                 |
| ENTELLAN           | 7816               | TM3358MX01                                 |
| ENTELLAN           | 2.251.744          | TM3358ES00                                 |
| ENVIROCHECK        | 621463             | TM3367WO00                                 |
| ENVIROCHECK        | M75301/5WZ         | TM3367DE00                                 |
| ENVIROCHECK        | 1576234            | TM3367GB01                                 |
| ESHMUNO            | 1 011 170          | TM4821WO00                                 |
| ESHMUNO            | 30 2009 006.964.6  | TM4821DE00                                 |
| ESHMUNO            | 77804242           | TM4821US00                                 |
| ESHMUNO            | 098033154          | TM4821TW00                                 |
| ESHMUNO            | 830360182          | TM4821BR01                                 |
| ESHMUNO            | 830360204          | TM4821BR05                                 |
| ESHMUNO            | 2009-012505        | TM4821VE01                                 |
| ESHMUNO            | 2009-012506        | TM4821VE05                                 |
| ESHMUNO            | 222525             | TM4821IL01                                 |
| ESHMUNO            | 222527             | TM4821IL05                                 |
| ESHMUNO            | 1446988            | TM4821CA00                                 |
| ESHMUNO            | 1023950            | TM4821MX01                                 |
| ESHMUNO            | 1023951            | TM4821MX05                                 |
| ESHMUNO            | 09080011           | TM4821CO01                                 |
| ESHMUNO            | 09080015           | TM4821CO05                                 |
| ESHMUNO            | 2.934.600          | TM4821AR01                                 |
| ESHMUNO            | 2.934.601          | TM4821AR05                                 |
| ESHMUNO            | 1846269            | TM4821IN00                                 |
| ESHMUNO (CHINESE)  | 7620225            | TM8870CN00                                 |
| ESHMUNO (CHINESE)  | 7620224            | TM8870CN05                                 |
| ESHMUNO (CHINESE)  | T0909544J          | TM8870SG00                                 |
| ESHMUNO (CHINESE)  | 098035397          | TM8870TW00                                 |
| ESHMUNO (KATAKANA) | 2009 - 062252      | TM8869JP00                                 |
| ESHMUNO (KOREAN)   | 40-2009-41904      | TM8879KR00                                 |
| EXTRAN             | 003338837          | TM3576EU00                                 |
| EXTRAN             | 515899             | TM3576WO00                                 |
| EXTRAN             | 108174             | TM3576EC03                                 |

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|-----------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------|
| EXTRAN                                                                                                    | 000800             | TM3576PY01                                 |
| EXTRAN                                                                                                    | 2.596.254          | TM3576AR01                                 |
| EXTRAN                                                                                                    | 617.890            | TM3576CL00                                 |
| EXTRAN                                                                                                    | M58025/3WZ         | TM3576DE00                                 |
| EXTRAN                                                                                                    | 51448/71           | TM3576JP00                                 |
| EXTRAN                                                                                                    | 6646/87            | TM3576DK00                                 |
| EXTRAN                                                                                                    | 874113             | TM3576NO00                                 |
| EXTRAN                                                                                                    | 92277503           | TM3576CO03                                 |
| EXTRAN                                                                                                    | 98750              | TM3576GR00                                 |
| EXTRAN                                                                                                    | 56-90              | TM3576SV03                                 |
| EXTRAN                                                                                                    | 326683             | TM3576UY00                                 |
| EXTRAN                                                                                                    | 408                | TM3576EC01                                 |
| EXTRAN                                                                                                    | 4679/77            | TM3576DK01                                 |
| EXTRAN                                                                                                    | 5319/77            | TM3576FI00                                 |
| EXTRAN                                                                                                    | 773314             | TM3576NO01                                 |
| EXTRAN                                                                                                    | 77-5644            | TM3576SE00                                 |
| EXTRAN                                                                                                    | 1115379            | TM3576GB00                                 |
| EXTRAN                                                                                                    | 1709/79            | TM3576IE00                                 |
| EXTRAN                                                                                                    | 68406              | TM3576MX03                                 |
| EXTRAN                                                                                                    | 56941              | TM3576IR00                                 |
| EXTRAN                                                                                                    | 73390              | TM3576RU00                                 |
| EXTRAN                                                                                                    | 338.336            | TM3576UY01                                 |
| EXTRAN                                                                                                    | 2308845            | TM3576AR03                                 |
| EXTRAN                                                                                                    | 33101              | TM3576PY03                                 |
| EXTRAN                                                                                                    | 825765226          | TM3576BR03                                 |
| EXTRAN                                                                                                    | 1193553            | TM3576IN00                                 |
| EXTRAN                                                                                                    | 2003-04583         | TM3576MY03                                 |
| EXTRAN                                                                                                    | 517359             | TM3576TH03                                 |
| EXTRAN                                                                                                    | 92018841           | TM3576TW00                                 |
| EXTRAN                                                                                                    | 550186             | TM3576TH01                                 |
| EXTRAN                                                                                                    | 2000/03855         | TM3576IE01                                 |
| EXTRAN                                                                                                    | 250514             | TM3576ID03                                 |
| EXTRAN                                                                                                    | 74/342,178         | TM3576US00                                 |
| EXTRAN (currently inactive, maybe new application for EXTRAN if CP EKTRA will not be renewed in due time) | 3493               | TM3576GT03                                 |
| EXTRAN (KATA)                                                                                             | 51449/71           | TM3050JP00                                 |
| EXTRAN (KATA)                                                                                             | 2014-063487        | TM3050JP03                                 |
| EXTRELUT                                                                                                  | 425580             | TM3577WO00                                 |
| EXTRELUT                                                                                                  | M40153/1WZ         | TM3577DE00                                 |
| EXTRELUT                                                                                                  | 301.057            | TM3577AU00                                 |
| EXTRELUT                                                                                                  | 317.538            | TM3577AU01                                 |
| EXTRELUT                                                                                                  | 262/M-77           | TM3577BR01                                 |
| EXTRELUT                                                                                                  | 1104/M-77          | TM3577BR09                                 |
| EXTRELUT                                                                                                  | 4414/1976          | TM3577DK00                                 |
| EXTRELUT                                                                                                  | 4429/76            | TM3577FI00                                 |
| EXTRELUT                                                                                                  | 4967/76            | TM3577FI01                                 |
| EXTRELUT                                                                                                  | 762602             | TM3577NO00                                 |
| EXTRELUT                                                                                                  | 76-5153            | TM3577SE00                                 |
| EXTRELUT                                                                                                  | 1070542            | TM3577GB00                                 |
| EXTRELUT                                                                                                  | 1069161            | TM3577GB01                                 |
| EXTRELUT                                                                                                  | 1975/79            | TM3577IE00                                 |
| EXTRELUT                                                                                                  | 57556              | TM3577GR00                                 |
| EXTRELUT                                                                                                  | 8430               | TM3577TR00                                 |
| EXTRELUT                                                                                                  | 293913             | TM3577MX10                                 |
| EXTRELUT                                                                                                  | 76/5286            | TM3577ZA01                                 |
| EXTRELUT                                                                                                  | 76/5111            | TM3577ZA09                                 |
| EXTRELUT                                                                                                  | 363.475            | TM3577US00                                 |
| EXTRELUT                                                                                                  | 2005-017703        | TM3577VE09                                 |
| EXTRELUT (KATA)                                                                                           | 68688/1976         | TM3583JP00                                 |
| EZ FIT AZURE                                                                                              | [not available]    | TM26416EU00                                |
| EZ FIT AZURE                                                                                              | [not available]    | TM26416DE00                                |
| EZ-FIT                                                                                                    | 011027687          | TM24272EU00                                |
| EZ-FIT                                                                                                    | 011027687.01       | TM24272WO00                                |
| EZ-FLOAT                                                                                                  | 015190952          | TM25529EU00                                |
| EZ-FLOAT                                                                                                  | 1309808            | TM25529WO00                                |

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| EZ-FLOAT       | 302016007166         | TM25529DE00                                |
| EZ-FLUO        | 010065373            | TM23989EU00                                |
| EZ-FLUO        | 831283556            | TM23989BR07                                |
| EZ-FLUO        | 831283564            | TM23989BR09                                |
| EZ-FLUO        | 831283572            | TM23989BR11                                |
| EZ-FLUO        | 10314939             | TM23989CN07                                |
| EZ-FLUO        | 10314938             | TM23989CN09                                |
| EZ-FLUO        | 10314937             | TM23989CN11                                |
| EZ-FLUO        | 2253411              | TM23989IN00                                |
| EZ-FLUO        | 30 2011 033 730      | TM23989DE00                                |
| EZ-PAK         | 648610               | TM9591WO00                                 |
| EZ-PAK         | 95580.213            | TM9590FR00                                 |
| EZ-PAK         | 75/041930            | TM9590US00                                 |
| EZ-PAK         | 2049341              | TM9591GB00                                 |
| EZ-STREAM      | 1106534              | TM23970WO00                                |
| EZ-STREAM      | 010414167            | TM23970EU00                                |
| EZ-STREAM      | 85471450             | TM23970US00                                |
| EZ-STREAM      | 1552477              | TM23970CA00                                |
| EZ-STREAM      | 100058513            | TM23970TW00                                |
| EZ-STREAM      | 30 2011 027 962.4/07 | TM23970DE07                                |
| FERMTECH       | 75/280,210           | TM3838US00                                 |
| FERMTECH       | 1414950              | TM3838GB00                                 |
| FERMTECH       | 137291               | TM3838IE00                                 |
| FERMTECH       | VA 1990 01253        | TM3838DK00                                 |
| FERMTECH       | 908/90               | TM3838FI00                                 |
| FERMTECH       | 90-1565              | TM3838SE00                                 |
| FERMTECH       | 654659               | TM3838CA00                                 |
| FLASH          | 1347343              | TM26246EU00                                |
| FLASH          | 822143674            | TM26243BR00                                |
| FLASH          | 1033036              | TM26246CA00                                |
| FLASH          | 75691620             | TM26246US00                                |
| FLUOROCULT     | 003339264            | TM4026EU00                                 |
| FLUOROCULT     | 1 014 201            | TM4026WO00                                 |
| FLUOROCULT     | 75/246808            | TM4026US00                                 |
| FLUOROCULT     | 847,931              | TM4026CA00                                 |
| FLUOROCULT     | 30 2009 013 954.7    | TM4026DE00                                 |
| FLUOROCULT     | M59204/5WZ           | TM4026DE01                                 |
| FLUOROCULT     | 77820611             | TM4026US01                                 |
| FLUOROCULT     | 398380               | TM4026PE00                                 |
| FLUOROCULT     | 812052               | TM4026NZ01                                 |
| FLUOROCULT     | 098038560            | TM4026TW01                                 |
| FLUOROCULT     | 2009/17069           | TM4026ZA01                                 |
| FLUOROCULT     | 2009-05780           | TM4026GT01                                 |
| FLUOROCULT     | 223239               | TM4026IL01                                 |
| FLUOROCULT     | 742996               | TM4026TH01                                 |
| FLUOROCULT     | 876908               | TM4026CL01                                 |
| FLUOROCULT     | 398893               | TM4026CO01                                 |
| FLUOROCULT     | 09015185             | TM4026MY01                                 |
| FLUOROCULT     | 4-2009-08854         | TM4026PH01                                 |
| FLUOROCULT     | 271957               | TM4026PK01                                 |
| FLUOROCULT     | 147087               | TM4026SA01                                 |
| FLUOROCULT     | 301418869            | TM4026HK01                                 |
| FLUOROCULT     | D00-2009.029196      | TM4026ID01                                 |
| FLUOROCULT     | 1857847              | TM4026IN01                                 |
| FLUOROCULT     | 2.941.398            | TM4026AR01                                 |
| FLUOROCULT     | 830376380            | TM4026BR01                                 |
| FLUOROCULT     | 2009-014555          | TM4026VE01                                 |
| FLUOROCULT     | 218911               | TM4026EC01                                 |
| FLUOROCULT     | 1450710              | TM4026CA01                                 |
| FLUOROCULT     | 1032694              | TM4026MX01                                 |
| FORMAXX        | 99/829 210           | TM4138FR00                                 |
| FORMAXX        | 221 706 5            | TM4138GB00                                 |
| FORMAXX        | 75/898542            | TM4138US00                                 |
| FORMAXX-LOGO 1 | 003323433            | TM4140EU00                                 |
| FORMAXX-LOGO 1 | 399 68 867.6         | TM4140DE00                                 |
| FRACTOFLOW     | 397 05 696.6         | TM4199DE00                                 |
| FRACTOGEL      | 376799               | TM4205WO00                                 |
| FRACTOGEL      | 003320785            | TM4205EU00                                 |



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| Trademark                        | Application number | Case number according to internal database |
|----------------------------------|--------------------|--------------------------------------------|
| FRACTOGEL                        | M33222/1WZ         | TM4205DE00                                 |
| FRACTOGEL                        | 1382/71            | TM4205FI00                                 |
| FRACTOGEL                        | 972555             | TM4205GB00                                 |
| FRACTOGEL                        | 372013             | TM4205CA00                                 |
| FRACTOGEL                        | 11,542             | TM4205US00                                 |
| FRACTOGEL                        | 106625             | TM4205NO00                                 |
| FRACTOGEL                        | 1079/71            | TM4205SE00                                 |
| FRACTOGEL                        | 1970/79            | TM4205IE00                                 |
| FRACTOGEL                        | 7449               | TM4205KO01                                 |
| FRACTOPREP                       | 763504             | TM4217WO00                                 |
| FRACTOPREP                       | 1129873            | TM4217CA00                                 |
| FRACTOSEP                        | 397 05 695.8       | TM4226DE00                                 |
| FRACTOSIL                        | 106628             | TM4230NO00                                 |
| FRITEST                          | 390156             | TM4234WO00                                 |
| FRITEST                          | M35653/1WZ         | TM4234DE00                                 |
| FRITEST                          | 3041/1979          | TM4234DK00                                 |
| FRITEST                          | 1972/79            | TM4234IE00                                 |
| FRITEST                          | 7448               | TM4234KO01                                 |
| GEDURAN                          | 402200             | TM4298WO00                                 |
| GEDURAN                          | M28910/1WZ         | TM4298DE00                                 |
| GEDURAN                          | 22.061/M-73        | TM4298BR01                                 |
| GEDURAN                          | 4795/73            | TM4298DK00                                 |
| GEDURAN                          | 6202/73            | TM4298FI00                                 |
| GEDURAN                          | 116549             | TM4298NO00                                 |
| GEDURAN                          | 1190/79            | TM4298IE00                                 |
| GEDURAN                          | 12,472             | TM4298US00                                 |
| GEDURAN                          | 7447               | TM4298KO01                                 |
| GRANUCULT                        | 013576889          | TM25165EU00                                |
| GRANUCULT                        | 1241479            | TM25165WO00                                |
| GRANUCULT                        | 302014075507       | TM25165DE00                                |
| GRANUCULT                        | 3375742            | TM25165AR00                                |
| GRANUCULT                        | 908819315          | TM25165BR00                                |
| GRANUCULT                        | 971413             | TM25165TH00                                |
| GRANUCULT                        | 103073270          | TM25165TW00                                |
| GRANUCULT                        | 2014014154         | TM25165MY01                                |
| GRANUCULT                        | 2014014155         | TM25165MY05                                |
| GRANUCULT                        | 2015-000234        | TM25165VE01                                |
| GRANUCULT                        | 2015-000225        | TM25165VE05                                |
| GRANUCULT                        | 461146             | TM25165UY00                                |
| GRANUCULT                        | 600730             | TM25165PE00                                |
| GRANUCULT                        | 57235/2014         | TM25165PY01                                |
| GRANUCULT                        | 57236/2014         | TM25165PY05                                |
| GRANUCULT                        | IEPI-2014-33590    | TM25165EC01                                |
| GRANUCULT                        | IEPI-201433596     | TM25165EC05                                |
| GRANUCULT                        | 1136227            | TM25165CL00                                |
| GRANUCULT                        | 1709742            | TM25165CA00                                |
| GRANUCULT                        | 2014/34942         | TM25165ZA00                                |
| GRANUCULT                        | D00.2014.059318    | TM25165ID00                                |
| GRANUCULT                        | 600731             | TM25165PE01                                |
| GRANUCULT                        | 971414             | TM25165TH01                                |
| GRANUCULT                        | D00.2014.059319    | TM25165ID01                                |
| GRANUCULT                        | 3375743            | TM25165AR01                                |
| GRANUCULT                        | 908819382          | TM25165BR01                                |
| GRANUCULT                        | 1014/34943         | TM25165ZA01                                |
| GRANUCULT IN CHINESE             | 16411559           | TM25165CN00                                |
| GRANUCULT IN CHINESE             | 2015002071         | TM25165MY00                                |
| GRANUCULT IN CHINESE             | 2015002049         | TM25165MY02                                |
| GRANUCULT IN CHINESE             | 40201503580X       | TM25165SG00                                |
| GRANUCULT IN CHINESE (TAIWANESE) | 104010530          | TM25165TW01                                |
| GRANUCULT IN KATAKANA            | 2015-13122         | TM25165JP00                                |
| GRANUCULT IN KATAKANA            | 40-2015-0011986    | TM25165KR00                                |

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| HARLECO                | 71/363,364         | TM4646US00                                 |
| HARLECO                | 30 2012 045 005.9  | TM24316DE00                                |
| HARLECO                | 435546             | TM4646CA00                                 |
| HEIPHA-LOGO alt        | H50077             | TM24060DE00                                |
| HEIPHA-LOGO COLOR      | 006 276 539        | TM24061EU00                                |
| HEIPHA-LOGO SW neu     | 008 159 873        | TM24062EU00                                |
| HEMACOLOR              | 4-2000-007548      | TM4696PH00                                 |
| HEMACOLOR              | 580538             | TM4696WO00                                 |
| HEMACOLOR              | M41166/5WZ         | TM4696DE00                                 |
| HEMACOLOR              | 290,957            | TM4696US00                                 |
| HEMACOLOR              | 91-09723           | TM4696SE00                                 |
| HEMACOLOR              | 2010-044447        | TM4696JP05                                 |
| HEMACOLOR (WITH KATA)  | 94703/1979         | TM4700JP00                                 |
| HEMACOLOR (WITH KATA)  | 7556/1986          | TM4696JP00                                 |
| HEMATOGNOST FE         | M64546/5WZ         | TM4702DE00                                 |
| HEMATOGNOST FE         | 2.251.740          | TM4702ES00                                 |
| HEMATOGNOST FE         | 2.251.741          | TM4702ES01                                 |
| HIBAR                  | 417442             | TM4811WO00                                 |
| HIBAR                  | 467228             | TM4811WO01                                 |
| HIBAR                  | 1100/81            | TM4811FI00                                 |
| HIBAR                  | M39742/1WZ         | TM4811DE00                                 |
| HIBAR                  | M40917/9WZ         | TM4811DE01                                 |
| HIBAR                  | 1.103.993          | TM4811AR01                                 |
| HIBAR                  | 1850/75            | TM4811DK00                                 |
| HIBAR                  | 843/82             | TM4811DK01                                 |
| HIBAR                  | 122119             | TM4811NO00                                 |
| HIBAR                  | 19820573           | TM4811NO01                                 |
| HIBAR                  | 75-1983            | TM4811SE00                                 |
| HIBAR                  | 82-1132            | TM4811SE01                                 |
| HIBAR                  | 1045972            | TM4811GB00                                 |
| HIBAR                  | 1170308            | TM4811GB01                                 |
| HIBAR                  | 1194/75            | TM4811IE00                                 |
| HIBAR                  | 508/82             | TM4811IE01                                 |
| HIBAR                  | 42,253             | TM4811US00                                 |
| HIBAR                  | 427895             | TM4811CA00                                 |
| HIBAR                  | 7446               | TM4811KO01                                 |
| HIBAR                  | 7341               | TM4811KO09                                 |
| HISTOSEC               | 399629             | TM4828WO00                                 |
| HISTOSEC               | M35868/1WZ         | TM4828DE00                                 |
| HISTOSEC               | 18781/M-73         | TM4828BR01                                 |
| HISTOSEC               | 3040/1979          | TM4828DK00                                 |
| HISTOSEC               | 1032724            | TM4828GB00                                 |
| HISTOSEC               | 851922             | TM4828ES00                                 |
| HISTOSEC               | 7342               | TM4828KO01                                 |
| HISTOSEC (in katakana) | 94711/1979         | TM4828JP00                                 |
| HYCON                  | 658 533            | TM24063WO00                                |
| HYCON                  | B 100621           | TM24063DE00                                |
| HYCON                  | 2724951            | TM24063AR09                                |
| HYCON                  | S56-041128         | TM24063JP00                                |
| HYCON                  | 73768568           | TM24063US00                                |
| HY-LITE                | 796873             | TM4849WO00                                 |
| HY-LITE                | 003007838          | TM4849EU00                                 |
| HY-LITE                | 1952152            | TM4849ES00                                 |
| HY-LITE                | T095C001072        | TM4849IT00                                 |
| HY-LITE                | 2574-95            | TM4849SE00                                 |
| HY-LITE                | 1834/95            | TM4849DK00                                 |
| HY-LITE                | 394 05 112.2       | TM4849DE00                                 |
| HY-LITE                | 74/652,307         | TM4849US00                                 |
| HY-LITE                | 25272/1995         | TM4849JP00                                 |
| HY-LITE                | 1952153            | TM4849ES01                                 |
| HY-LITE                | 1493268            | TM4849GB00                                 |
| HY-LITE                | 1493269            | TM4849GB01                                 |
| HY-LITE                | 92412475           | TM4849FR00                                 |
| HY-LITE                | 2407300            | TM4849AR09                                 |

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| HY-LITE           | 825262410               | TM4849BR01                                 |
| HY-LITE           | 825262429               | TM4849BR09                                 |
| HY-LITE           | 594.699                 | TM4849CL00                                 |
| HY-LITE           | 172341                  | TM4849PE09                                 |
| HY-LITE           | 2003-000274             | TM4849VE01                                 |
| HY-LITE           | 2003-000273             | TM4849VE09                                 |
| HY-LITE           | 843619                  | TM4849BX00                                 |
| HY-RISE           | 764778                  | TM4852WO00                                 |
| HY-RISE           | 003339331               | TM4852EU00                                 |
| HY-RISE           | 301 23 575.9            | TM4852DE00                                 |
| HY-RISE           | 2347186                 | TM4852AR01                                 |
| HY-RISE           | 823618536               | TM4852BR01                                 |
| HY-RISE           | 537131                  | TM4852CL00                                 |
| HY-RISE           | 76/291268               | TM4852US00                                 |
| HY-RISE           | D00-2001<br>17697.17814 | TM4852ID01                                 |
| HY-RISE           | 2001/13211              | TM4852ZA01                                 |
| HY-RISE           | 90031416                | TM4852TW00                                 |
| HY-RISE           | 462884                  | TM4852TH01                                 |
| INNOLINE          | 303354                  | TM4611PK01                                 |
| INNOLINE          | 303355                  | TM4611PK05                                 |
| INNOLINE          | 652                     | TM4611AF01                                 |
| INNOLINE          | 653                     | TM4611AF10                                 |
| INNOLINE          | 1705230                 | TM4611IN00                                 |
| INVERTIN MERCK    | 003323359               | TM4966EU00                                 |
| INVERTIN MERCK    | M36264/1WZ              | TM4966DE00                                 |
| INVERTINA         | 811276740               | TM4967BR01                                 |
| ISOBAG            | 014532212               | TM25439EU00                                |
| ISOBAG            | 1303976                 | TM25439WO00                                |
| ISOBAG            | 302015051577            | TM25439DE00                                |
| ISOSLIDE          | 0009596636              | TM9304EU00                                 |
| ISOSLIDE          | 30 2010 071 475.1       | TM9304DE01                                 |
| ISOSLIDE          | 831069180               | TM9304BR01                                 |
| ISOSLIDE          | 831069198               | TM9304BR05                                 |
| ISOSLIDE          | 831069228               | TM9304BR09                                 |
| ISOSLIDE          | 455924                  | TM9304PE05                                 |
| ISOSLIDE          | 455923                  | TM9304PE09                                 |
| ISOSLIDE          | 11064562                | TM9304CO01                                 |
| ISOSLIDE          | 11064564                | TM9304CO05                                 |
| ISOSLIDE          | 11064567                | TM9304CO09                                 |
| ISOSLIDE          | 2011-38759              | TM9304JP00                                 |
| ISOSLIDE          | 1180633                 | TM9304MX01                                 |
| ISOSLIDE          | 1180635                 | TM9304MX05                                 |
| ISOSLIDE          | 1180636                 | TM9304MX09                                 |
| ISOSLIDE          | 455922                  | TM9304PE00                                 |
| ISOSLIDE          | 2148672                 | TM9304IN00                                 |
| KARION            | 147933                  | TM5028WO00                                 |
| KARION            | 003323201               | TM5028EU00                                 |
| KARION            | M62464/1WZ              | TM5028DE00                                 |
| KARION            | 7110                    | TM5028KO00                                 |
| KRYPTOFIX         | 396572                  | TM5048WO00                                 |
| KRYPTOFIX         | M35683/1WZ              | TM5048DE00                                 |
| KRYPTOFIX         | 1006644                 | TM5048GB00                                 |
| KRYPTOFIX         | 464,109                 | TM5048US00                                 |
| KRYPTOFIX         | 7111                    | TM5048KO01                                 |
| LANON             | M64239/1WZ              | TM5110DE00                                 |
| LEUCOGNOST        | M57024/1WZ              | TM5124DE00                                 |
| LEUCOGNOST        | 2.251.734               | TM5124ES00                                 |
| LEUCOGNOST        | 2.251.735               | TM5124ES01                                 |
| LEUCOGNOST (KATA) | 38831/1986              | TM5125JP00                                 |
| LICHROCART        | 472694                  | TM5131WO00                                 |
| LICHROCART        | M50921/1WZ              | TM5131DE00                                 |
| LICHROCART        | 496,747                 | TM5131CA00                                 |
| LICHROCART        | 284/83                  | TM5131DK00                                 |
| LICHROCART        | 1188926                 | TM5131GB00                                 |
| LICHROCART        | 7336                    | TM5131KO00                                 |
| LICHROCART        | 126/83                  | TM5131IE00                                 |
| LICHROCART        | 83-0265                 | TM5131SE00                                 |

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| LICHROCART                 | 410,405              | TM5131US00                                 |
| LICHROCART (KATA)          | 6653/1983            | TM5133JP00                                 |
| LICHROGEL                  | 411075               | TM5137WO00                                 |
| LICHROGEL                  | M38538/1WZ           | TM5137DE00                                 |
| LICHROGEL                  | 7339 (IR No. 411075) | TM5137KO01                                 |
| LICHROLUT                  | 599584               | TM5140WO00                                 |
| LICHROLUT                  | 1530344              | TM5140GB00                                 |
| LICHROLUT                  | 74/398,464           | TM5140US00                                 |
| LICHROLUT                  | 1536448              | TM5140GB01                                 |
| LICHROLUT                  | M70149/1WZ           | TM5140DE00                                 |
| LICHROPREP                 | 417057               | TM5142WO00                                 |
| LICHROPREP                 | M40072/1WZ           | TM5142DE00                                 |
| LICHROPREP                 | 159927               | TM5142CN01                                 |
| LICHROPREP                 | 115,099              | TM5142US00                                 |
| LICHROPREP                 | 7335 (IR No. 417057) | TM5142KO01                                 |
| LICHROPREP (AND IN KATA)   | 50196/1978           | TM5143JP00                                 |
| LICHROPUR                  | M52721/1WZ           | TM5144DE00                                 |
| LICHROSEP                  | 1312062              | TM1899IN00                                 |
| LICHROSEP                  | 1382497              | TM1899IN01                                 |
| LICHROSOLV                 | 425571               | TM5146WO00                                 |
| LICHROSOLV                 | 003338597            | TM5146EU00                                 |
| LICHROSOLV                 | 74/7466              | TM5146TW00                                 |
| LICHROSOLV                 | M41653/1WZ           | TM5146DE00                                 |
| LICHROSOLV                 | 1074052              | TM5146AR01                                 |
| LICHROSOLV                 | A297,650             | TM5146AU00                                 |
| LICHROSOLV                 | 14293/M-76           | TM5146BR01                                 |
| LICHROSOLV                 | 398906               | TM5146CA00                                 |
| LICHROSOLV                 | 24348                | TM5146CL00                                 |
| LICHROSOLV                 | 3735                 | TM5146EC01                                 |
| LICHROSOLV                 | 19761600             | TM5146NO00                                 |
| LICHROSOLV                 | 76-2864              | TM5146SE00                                 |
| LICHROSOLV                 | 1064348              | TM5146GB00                                 |
| LICHROSOLV                 | 1367/76              | TM5146IE00                                 |
| LICHROSOLV                 | 76/2854              | TM5146ZA01                                 |
| LICHROSOLV                 | 4145-70              | TM5146VE06                                 |
| LICHROSOLV                 | 118,762              | TM5146US00                                 |
| LICHROSOLV                 | 177161               | TM5146UY00                                 |
| LICHROSOLV                 | 73467                | TM5146PR01                                 |
| LICHROSOLV                 | 2011/08698           | TM5146TR00                                 |
| LICHROSOLV                 | 7334 (IR No. 425571) | TM5146KO01                                 |
| LICHROSOLV                 | 159029               | TM5146CO01                                 |
| LICHROSOLV                 | 315697               | TM5146IN00                                 |
| LICHROSOLV                 | R00-2007-009464      | TM5146ID01                                 |
| LICHROSOLV                 | 166099               | TM5146MX01                                 |
| LICHROSOLV                 | 2864/76              | TM5146DK00                                 |
| LICHROSOLV                 | 2848/76              | TM5146FI00                                 |
| LICHROSOLV (KATAKANA)      | 2006-45 140          | TM3770JP00                                 |
| LICHROSORB                 | 74/7467              | TM5147TW00                                 |
| LICHROSORB                 | 400536               | TM5147WO00                                 |
| LICHROSORB                 | M37649/1WZ           | TM5147DE00                                 |
| LICHROSORB                 | 159925               | TM5147CN01                                 |
| LICHROSORB                 | 3320/73              | TM5147DK00                                 |
| LICHROSORB                 | 4664/73              | TM5147FI00                                 |
| LICHROSORB                 | 115631               | TM5147NO00                                 |
| LICHROSORB                 | 3529/73              | TM5147SE00                                 |
| LICHROSORB                 | 1014487              | TM5147GB00                                 |
| LICHROSORB                 | 73395                | TM5147RU00                                 |
| LICHROSORB                 | 350,814              | TM5147CA00                                 |
| LICHROSORB                 | 416,455              | TM5147US00                                 |
| LICHROSORB                 | 202003               | TM5147MX06                                 |
| LICHROSORB                 | 852044               | TM5147ES00                                 |
| LICHROSORB                 | 7333                 | TM5147KO01                                 |
| LICHROSORB (with katakana) | 19423/1978           | TM5147JP00                                 |

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| LICHROSPHER                   | 74/7468              | TM5148TW00                                 |
| LICHROSPHER                   | 400537               | TM5148WO00                                 |
| LICHROSPHER                   | M37650/1WZ           | TM5148DE00                                 |
| LICHROSPHER                   | 1103996              | TM5148AR01                                 |
| LICHROSPHER                   | 177930               | TM5148CN01                                 |
| LICHROSPHER                   | 372014               | TM5148CA00                                 |
| LICHROSPHER                   | 8,433                | TM5148US00                                 |
| LICHROSPHER                   | 3319/1973            | TM5148DK00                                 |
| LICHROSPHER                   | 4665/73              | TM5148FI00                                 |
| LICHROSPHER                   | 115630               | TM5148NO00                                 |
| LICHROSPHER                   | 3528/73              | TM5148SE00                                 |
| LICHROSPHER                   | 1014486              | TM5148GB00                                 |
| LICHROSPHER                   | 7330                 | TM5148KO00                                 |
| LICHROSPHER (AND IN KATAKANA) | 53843/1978           | TM5148JP00                                 |
| LICHROTEST                    | 000240754            | TM5151EU00                                 |
| LIGHTNING                     | 0784161              | TM26245CA00                                |
| LIGHTNING                     | 74607219             | TM26245US00                                |
| LIGHTNING                     | 95574063             | TM26245FR00                                |
| LIGHTNING                     | 39522717             | TM26245DE00                                |
| LIGHTNING                     | 1158370              | TM26245IT00                                |
| LIGHTNING                     | H07-050829           | TM26245JP00                                |
| LIGHTNING                     | 2021036              | TM26245GB00                                |
| LIGHTNING MVP                 | 78155163             | TM26286US00                                |
| LIGHTNING MVP TRAX            | 78155167             | TM26287US00                                |
| LIGHTNING TRAX                | 75064800             | TM26283US00                                |
| LOBAR                         | 2075/75              | TM5190FI01                                 |
| LOBAR                         | 1195/75              | TM5190IE00                                 |
| LOBAR                         | 427759               | TM5190CA00                                 |
| LOBAR (KATA)                  | 94706/1979           | TM5191JP00                                 |
| LUXPLATE                      | 003072659            | TM7481EU00                                 |
| LUXPLATE                      | 803241               | TM7481WO00                                 |
| LUXPLATE                      | 303 03 350.9         | TM7481DE00                                 |
| LUXPLATE                      | 825399920            | TM7481BR01                                 |
| LUXPLATE                      | 1169910              | TM7481CA00                                 |
| LUXPLATE                      | 599.495              | TM7481CL00                                 |
| LUXPLATE                      | 03018838             | TM7481CO01                                 |
| LUXPLATE                      | 1179852              | TM7481IN00                                 |
| LUXPLATE                      | D00-2003-05549-05611 | TM7481ID01                                 |
| LUXPLATE                      | 40-2003-9493         | TM7481KR00                                 |
| LUXPLATE                      | 590714               | TM7481MX01                                 |
| LUXPLATE                      | 92011085             | TM7481TW00                                 |
| LUXPLATE                      | 512787               | TM7481TH01                                 |
| LUXPLATE                      | 78/220,133           | TM7481US00                                 |
| LUXPLATE (KATAKANA)           | 2006-45 141          | TM3776JP00                                 |
| M AIR T                       | 002018901            | TM9721EU00                                 |
| M AIR T                       | 2000122532           | TM9721JP00                                 |
| M AIR T                       | 78/034670            | TM9721US00                                 |
| MAGNISOLV                     | 1052114              | TM9033WO01                                 |
| MAGNISOLV                     | 30 2010 006 956.2    | TM9033DE01                                 |
| MAGNISOLV                     | 2001771              | TM9033IN01                                 |
| MAGNISOLV                     | D00-2010-028131      | TM9033ID01                                 |
| MAGNISOLV                     | 2010013997           | TM9033MY00                                 |
| MAGNISOLV                     | 1109176              | TM9033MX01                                 |
| MAGNISOLV                     | 2010/16646           | TM9033ZA01                                 |
| MAGNISOLV                     | 2010-012625          | TM9033VE01                                 |
| MAGNISOLV                     | 287011               | TM9033PK01                                 |
| MAGNISOLV                     | 775262               | TM9033TH01                                 |
| MAGNISOLV                     | 099037082            | TM9033TW01                                 |
| MAGNISOLV                     | 4-2010-008343        | TM9033PH01                                 |
| MAGNISOLV                     | 1505916              | TM9033CA00                                 |
| MAGNISOLV                     | 85169227             | TM9033US00                                 |
| MAGNISOLV                     | 3.020.061            | TM9033AR01                                 |
| MAGNISOLV                     | 830714324            | TM9033BR01                                 |
| MAGNISOLV                     | 915268               | TM9033CL01                                 |
| MAGNISOLV                     | 10 093706            | TM9033CO01                                 |

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| MAGNISOLV (IN KATAKANA) | 2011-12430         | TM9202JP01                                 |
| MAGPREP                 | 688744             | TM5252WO00                                 |
| MAGPREP                 | 137202             | TM5252GR00                                 |
| MAGPREP                 | 2000/02817         | TM5252IE00                                 |
| MAGPREP                 | 397 56 024.9       | TM5252DE00                                 |
| MANUCART                | 90-8415            | TM5260SE00                                 |
| MANU-CART               | M58993/9WZ         | TM5260DE00                                 |
| MANU-CART               | 559833             | TM5260WO00                                 |
| MANU-CART               | 76/423,935         | TM5260US00                                 |
| MANU-CART               | 1442576            | TM5260GB00                                 |
| MANU-CART               | 07133/90           | TM5260DK00                                 |
| MANU-CART (KATA)        | 111179/1990        | TM5261JP00                                 |
| MBASE                   | 30 2011 042 414.4  | TM24042DE00                                |
| MBASE                   | 85/424,902         | TM24042US00                                |
| MBASE                   | 010578896          | TM24042EU00                                |
| MC MEDIA PAD            | 016332959          | TM26232EU00                                |
| MC MEDIA PAD            | 1368058            | TM26232WO00                                |
| MC MEDIA PAD            | 302017003131       | TM26232DE00                                |
| MC MEDIA PAD            | D002017036480      | TM26232ID09                                |
| MC MEDIA PAD            | 3630551            | TM26232AR01                                |
| MC MEDIA PAD            | 3630552            | TM26232AR09                                |
| MC MEDIA PAD            | 913115932          | TM26232BR01                                |
| MC MEDIA PAD            | 913119040          | TM26232BR09                                |
| MC MEDIA PAD            | 1849810            | TM26232CA00                                |
| MC MEDIA PAD            | 1262420            | TM26232CL00                                |
| MC MEDIA PAD            | 304223619          | TM26232HK00                                |
| MC MEDIA PAD            | D002017036482      | TM26232ID00                                |
| MC MEDIA PAD            | 2017064504         | TM26232MY01                                |
| MC MEDIA PAD            | 2017064506         | TM26232MY09                                |
| MC MEDIA PAD            | 464905             | TM26232PK01                                |
| MC MEDIA PAD            | 464906             | TM26232PK09                                |
| MC MEDIA PAD            | 714563             | TM26232PE00                                |
| MC MEDIA PAD            | 2017/21664         | TM26232ZA01                                |
| MC MEDIA PAD            | 2017/21665         | TM26232ZA09                                |
| MC MEDIA PAD            | 106047695          | TM26232TW00                                |
| MC MEDIA PAD            | 170127503          | TM26232TH00                                |
| MC MEDIA PAD            | 170127504          | TM26232TH09                                |
| MC MEDIA PAD            | [not available]    | TM26232MM00                                |
| MC MEDIA PAD            | 221590             | TM26232LK01                                |
| MC MEDIA PAD            | 221589             | TM26232LK09                                |
| MCOLORPHAST             | 1109196            | TM24125WO01                                |
| MCOLORPHAST             | 010565786          | TM24125EU01                                |
| MCOLORPHAST             | 30 2011 061 125.4  | TM24125DE01                                |
| MCOLORPHAST             | 3146889            | TM24125AR01                                |
| MCOLORPHAST             | SM-00621-2012      | TM24125BO01                                |
| MCOLORPHAST             | 840027222          | TM24125BR01                                |
| MCOLORPHAST             | F/TM/2012/04442A   | TM24125NG01                                |
| MCOLORPHAST             | 953922             | TM24125NZ01                                |
| MCOLORPHAST             | 2012/03457         | TM24125ZA01                                |
| MCOLORPHAST             | 1,564,220          | TM24125CA01                                |
| MCOLORPHAST             | 85540787           | TM24125US01                                |
| MCOLORPHAST             | 169551             | TM24125AE01                                |
| MCOLORPHAST             | 4-2012-001974      | TM24125PH01                                |
| MCOLORPHAST             | 314545             | TM24125PK01                                |
| MCOLORPHAST             | 178580             | TM24125SA01                                |
| MCOLORPHAST             | 836946             | TM24125TH01                                |
| MCOLORPHAST             | 1010006755         | TM24125TW01                                |
| MCOLORPHAST             | 993640             | TM24125CL01                                |
| MCOLORPHAST             | 12028494           | TM24125CO01                                |
| MCOLORPHAST             | 2012-1456          | TM24125CR01                                |
| MCOLORPHAST             | 2012-17810         | TM24125EC01                                |
| MCOLORPHAST             | 2012-01150         | TM24125GT01                                |
| MCOLORPHAST             | 1250327            | TM24125MX01                                |
| MCOLORPHAST             | 2012-000902        | TM24125NI01                                |
| MCOLORPHAST             | 209484             | TM24125PA01                                |
| MCOLORPHAST             | 483283             | TM24125PE01                                |
| MCOLORPHAST             | 7779/2012          | TM24125PY01                                |
| MCOLORPHAST             | 302160738          | TM24125HK01                                |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Trademark                 | Application number | Case number according to internal database |
|---------------------------|--------------------|--------------------------------------------|
| MCOLORPHAST               | D00-2012-010041    | TM24125ID01                                |
| MCOLORPHAST               | 2283152            | TM24125IN01                                |
| MCOLORPHAST               | 432.342            | TM24125UY01                                |
| MCOLORPHAST               | 2012-007624        | TM24125VE01                                |
| MCOLORPHAST               | 123608             | TM24125JO01                                |
| MCOLORPHAST               | 127507             | TM24125KW01                                |
| MCOLORPHAST               | 2012002095         | TM24125MY01                                |
| MCOLORPHAST               | 1109197            | TM24126WO01                                |
| MCOLORTEST                | 010565661          | TM24126EU01                                |
| MCOLORTEST                | 30 2011 061 124.6  | TM24126DE01                                |
| MCOLORTEST                | 3146489            | TM24126AR01                                |
| MCOLORTEST                | SM-00619-2012      | TM24126BO01                                |
| MCOLORTEST                | 840024150          | TM24126BR01                                |
| MCOLORTEST                | 1563389            | TM24126CA01                                |
| MCOLORTEST                | 993171             | TM24126CL01                                |
| MCOLORTEST                | 12024975           | TM24126CO01                                |
| MCOLORTEST                | 2012-1376          | TM24126CR01                                |
| MCOLORTEST                | 2012-17556         | TM24126EC01                                |
| MCOLORTEST                | 2012-01151         | TM24126GT01                                |
| MCOLORTEST                | 302157156          | TM24126HK01                                |
| MCOLORTEST                | 1250328            | TM24126MX01                                |
| MCOLORTEST                | 856222             | TM24126NZ01                                |
| MCOLORTEST                | 2012-000691        | TM24126NI01                                |
| MCOLORTEST                | F/TM/2012/03057    | TM24126NG01                                |
| MCOLORTEST                | 209540             | TM24126PA01                                |
| MCOLORTEST                | 6700/2012          | TM24126PY01                                |
| MCOLORTEST                | 483003             | TM24126PE01                                |
| MCOLORTEST                | 2012/03178         | TM24126ZA01                                |
| MCOLORTEST                | 432.248            | TM24126UY01                                |
| MCOLORTEST                | 2012-003789        | TM24126VE01                                |
| MCOLORTEST                | D002012006547      | TM24126ID01                                |
| MCOLORTEST                | 2281405            | TM24126IN01                                |
| MCOLORTEST                | 122932             | TM24126JO01                                |
| MCOLORTEST                | 127416             | TM24126KW01                                |
| MCOLORTEST                | 2012001949         | TM24126MY01                                |
| MCOLORTEST                | 314239             | TM24126PK01                                |
| MCOLORTEST                | 169548             | TM24126AE01                                |
| MCOLORTEST                | 4-2012-001973      | TM24126PH01                                |
| MCOLORTEST                | 178449             | TM24126SA01                                |
| MCOLORTEST                | 836140             | TM24126TH01                                |
| MCOLORTEST                | 101006274          | TM24126TW01                                |
| MCOLORTEST                | 85537866           | TM24126US01                                |
| MEDIAPREP (with katakana) | H04323168          | TM9725JP00                                 |
| MEHEC                     | 78711271           | TM26288US00                                |
| MERCKOFIX                 | 176/69             | TM5399JP00                                 |
| MERCKOFIX                 | 5467/68            | TM5399SE00                                 |
| MERCKOFIX                 | 69/4036            | TM5399ZA05                                 |
| MERCKOFIX                 | 69/0005            | TM5399ZA01                                 |
| MERCKOGEL                 | 353086             | TM5400WO00                                 |
| MERCKOGEL                 | 7360               | TM5400KO01                                 |
| MERCKOGLAS                | 374759             | TM5402WO00                                 |
| MERCKOGLAS                | M31603/1WZ         | TM5402DE00                                 |
| MERCKOPLATE               | 577232             | TM5407WO00                                 |
| MERCKOQUANT               | 003327269          | TM5408EU00                                 |
| MERCKOQUANT               | 380957             | TM5408WO00                                 |
| MERCKOQUANT               | 331984             | TM5408UY00                                 |
| MERCKOQUANT               | M30385/1WZ         | TM5408DE00                                 |
| MERCKOQUANT               | 884951             | TM5408AR01                                 |
| MERCKOQUANT               | C-26.158           | TM5408BO01                                 |
| MERCKOQUANT               | 182835             | TM5408CL00                                 |
| MERCKOQUANT               | 127.673            | TM5408CO01                                 |
| MERCKOQUANT               | 2079/1971          | TM5408DK00                                 |
| MERCKOQUANT               | 46411              | TM5408GR00                                 |
| MERCKOQUANT               | [not available]    | TM5408GT01                                 |
| MERCKOQUANT               | 52161              | TM5408IR00                                 |
| MERCKOQUANT               | 33777              | TM5408IL01                                 |
| MERCKOQUANT               | 6520/82            | TM5408KR00                                 |
| MERCKOQUANT               | 51456              | TM5408MX06                                 |

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| MERCKOQUANT       | 107314             | TM5408NO00                                 |
| MERCKOQUANT       | 55584              | TM5408PK01                                 |
| MERCKOQUANT       | 2048/1971          | TM5408SE00                                 |
| MERCKOQUANT       | 71/2611            | TM5408ZA01                                 |
| MERCKOQUANT       | 51327              | TM5408TW00                                 |
| MERCKOQUANT       | 47174              | TM5408TR00                                 |
| MERCKOQUANT       | 4880               | TM5408VE01                                 |
| MERCKOQUANT       | 7355               | TM5408KO01                                 |
| MERCKOTUBE        | 577233             | TM5411WO00                                 |
| MERCKOTUBE        | M57031/1WZ         | TM5411DE00                                 |
| M-FIX             | 1168315            | TM24637WO01                                |
| M-FIX             | 011389392          | TM24637EU01                                |
| M-FIX             | 302012061730.1     | TM24637DE01                                |
| M-FIX             | 85791288           | TM24637US01                                |
| M-FIX             | 1378353            | TM24637MX01                                |
| M-FIX             | 840524617          | TM24637BR01                                |
| M-FIX             | D00-2013-025109    | TM24637ID01                                |
| M-FREEZE          | 014294631          | TM1404EU00                                 |
| M-FREEZE          | 302015044587       | TM1404DE00                                 |
| M-GLAS            | 011389442          | TM24638EU09                                |
| M-GLAS            | 302012061732.8     | TM24638DE09                                |
| M-GLAS            | 85791341           | TM24638US09                                |
| MICROFIL          | 648755             | TM9732WO00                                 |
| MICROFIL          | 08-001478          | TM9732JP00                                 |
| MICROFIL          | 95580212           | TM9732FR00                                 |
| MICROFIL          | 2049589            | TM9732GB00                                 |
| MICROFIL          | 75/042877          | TM9732US00                                 |
| MICROPRESURE      | 001856806          | TM9729EU00                                 |
| MICROPRESURE      | 78/023901          | TM9729US00                                 |
| MICROPRESURE      | 3013155            | TM9729FR00                                 |
| MICROPRESURE      | 2000-096236        | TM9729JP00                                 |
| MICROQUANT        | 453092             | TM5465WO00                                 |
| MICROQUANT        | 2932/80            | TM5465FI00                                 |
| MICROQUANT        | 1438/80            | TM5465IE00                                 |
| MICROQUANT        | 801495             | TM5465NO00                                 |
| MICROQUANT        | 80/3422            | TM5465ZA01                                 |
| MICROQUANT        | 80-2779            | TM5465SE00                                 |
| MICROQUANT        | 5029/80            | TM5465DK00                                 |
| MICROQUANT        | 15.831/M-80        | TM5465BR01                                 |
| MICROQUANT        | 7356               | TM5465KO01                                 |
| MICROSTAR         | 001440833          | TM9736EU00                                 |
| MICROSTAR         | 2002-108           | TM9736JP00                                 |
| MICROSTAR         | H11-114870         | TM9736JP01                                 |
| MIDAS             | 010339621          | TM5469EU00                                 |
| MIDAS             | 1 118 100          | TM5469WO09                                 |
| MIDAS             | 931279             | TM5469BX00                                 |
| MIDAS             | 73/617,177         | TM5469US00                                 |
| MILLIFLEX         | 7260929            | TM9743FR00                                 |
| MILLIFLEX         | S60-684            | TM9743JP00                                 |
| MILLIFLEX         | m55815/9wz         | TM9743DE00                                 |
| MILLIFLEX         | 1236869            | TM9743GB00                                 |
| MILLIFLEX         | 78/015104          | TM9743US00                                 |
| MILLIFLEX AZURE   | 016994279          | TM26411EU00                                |
| MILLIFLEX AZURE   | [not available]    | TM26411WO00                                |
| MILLIFLEX AZURE   | 302017018359       | TM26411DE00                                |
| MILLIFLEX         | 016994329          | TM26414EU00                                |
| MICROLITE         |                    |                                            |
| MILLIFLEX         | [not available]    | TM26414WO00                                |
| MICROLITE         |                    |                                            |
| MILLIFLEX         | 302017018362       | TM26414DE00                                |
| MICROLITE         |                    |                                            |
| MILLIFLEX OASIS   | 016994253          | TM26410EU00                                |
| MILLIFLEX OASIS   | [not available]    | TM26410WO00                                |
| MILLIFLEX OASIS   | 302017018360       | TM26410DE00                                |
| MILLIFLEX PROTACT | [not available]    | TM26412WO00                                |
| MILLIFLEX PROTACT | 016994287          | TM26412EU00                                |
| MILLIFLEX PROTACT | 3020170184122      | TM26412DE00                                |
| MILLIFLEX         | 016994337          | TM26415EU00                                |
| RACK&STACK        |                    |                                            |

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| MILLIFLEX RACK&STACK | [not available]    | TM26415WO00                                |
| MILLIFLEX RACK&STACK | 3020170183631      | TM26415DE00                                |
| MILLIFLEX TRACE      | 017382854          | TM26626EU00                                |
| MILLIFLEX TRACE      | [not available]    | TM26626DE00                                |
| MILLIPREP            | 008649048          | TM9765EU00                                 |
| MILLIPREP            | 7805725            | TM9765CN11                                 |
| MILLIPREP            | 1875600            | TM9765IN00                                 |
| MILLIPREP            | 2009-81119         | TM9765JP00                                 |
| MILLIPREP            | T0911753C          | TM9765SG00                                 |
| MILLIPROBE           | 006872543          | TM9766EU00                                 |
| MILLIPROBE           | 2008-35310         | TM9766JP00                                 |
| MILLIPROBE           | 77/059297          | TM9766US00                                 |
| MILLISNAP            | 007284565          | TM9774EU00                                 |
| MILLISNAP            | 2008-68771         | TM9774JP00                                 |
| MILLISNAP            | 77/544975          | TM9774US00                                 |
| MIRASTAINER          | M74542/9WZ         | TM5492DE00                                 |
| MIRUS                | 30 2011 010 568.5  | TM9336DE00                                 |
| MOLINON              | 395546             | TM5505WO00                                 |
| MPART                | 1104023            | TM24040WO00                                |
| MPART                | 30 2011 042 412.8  | TM24040DE00                                |
| MPART                | 85430211           | TM24040US00                                |
| MPART                | 010360139          | TM24040EU00                                |
| MPART                | 51071/2011         | TM24040PY00                                |
| MPART                | 174872             | TM24040SA00                                |
| MPART                | 828819             | TM24040TH00                                |
| MPART                | 2011-023035        | TM24040VE00                                |
| MPART                | 19760              | TM24040NG01                                |
| MPART                | 2011/30265         | TM24040ZA00                                |
| MPART                | 3132850            | TM24040AR01                                |
| MPART                | 06324-2011         | TM24040BO01                                |
| MPART                | 831268409          | TM24040BR01                                |
| MPART                | 100060583          | TM24040TW00                                |
| MPART                | 980815             | TM24040CL00                                |
| MPART                | 2011-0011658       | TM24040CR00                                |
| MPART                | 302096253          | TM24040HK00                                |
| MPART                | D00-2011-040312    | TM24040ID00                                |
| MPART                | 2239428            | TM24040IN00                                |
| MPART                | 2012-000294        | TM24040NI00                                |
| MPART                | 852877             | TM24040NZ00                                |
| MPART                | 429.753            | TM24040UY00                                |
| MPART                | 11-164283          | TM24040CO00                                |
| MPART                | 2011-14331         | TM24040EC00                                |
| MPART                | 2011-10146         | TM24040GT00                                |
| MPART                | 123061             | TM24040MX00                                |
| MPART                | 2011020751         | TM24040MY00                                |
| MPART                | 206689             | TM24040PA00                                |
| MPART                | 474818             | TM24040PE00                                |
| MPART                | 310547             | TM24040PK00                                |
| MPART (katakana)     | 2012-8381          | TM24194JP01                                |
| MPLURE               | 1104022            | TM24041WO00                                |
| MPLURE               | 30 2011 042 413.6  | TM24041DE00                                |
| MPLURE               | 85430199           | TM24041US00                                |
| MPLURE               | 010360071          | TM24041EU00                                |
| MPLURE               | [not available]    | TM24041NG01                                |
| MPLURE               | 852759             | TM24041NZ00                                |
| MPLURE               | 2011/29940         | TM24041ZA01                                |
| MPLURE               | 3131866            | TM24041AR01                                |
| MPLURE               | 06294-2011         | TM24041BO01                                |
| MPLURE               | 831269960          | TM24041BR01                                |
| MPLURE               | 980349             | TM24041CL00                                |
| MPLURE               | 828818             | TM24041TH01                                |
| MPLURE               | 174871             | TM24041SA01                                |
| MPLURE               | 310305             | TM24041PK01                                |
| MPLURE               | 2011020632         | TM24041MY01                                |
| MPLURE               | 11164629           | TM24041CO01                                |
| MPLURE               | 2011-0011619       | TM24041CR00                                |
| MPLURE               | 2011-004269        | TM24041NI00                                |

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| MPLURE            | 429.699            | TM24041UY00                                |
| MPLURE            | 2011-13818         | TM24041EC01                                |
| MPLURE            | 2011-10057         | TM24041GT01                                |
| MPLURE            | 1230618            | TM24041MX01                                |
| MPLURE            | 474427             | TM24041PE01                                |
| MPLURE            | 206686             | TM24041PA01                                |
| MPLURE            | 51068/2011         | TM24041PY01                                |
| MPLURE            | 2011-022643        | TM24041VE01                                |
| MPLURE            | 100059819          | TM24041TW00                                |
| MPLURE            | 302093148          | TM24041HK00                                |
| MPLURE            | D00-2011-047807    | TM24041ID00                                |
| MPLURE            | 2238096            | TM24041IN00                                |
| MPLURE (katakana) | 2012-8382          | TM24195JP01                                |
| MQUANT            | 010565539          | TM24124EU01                                |
| MQUANT            | 1108212            | TM24124WO01                                |
| MQUANT            | 30 2011 061 123.8  | TM24124DE00                                |
| MQUANT            | [not available]    | TM24124NG00                                |
| MQUANT            | 855140             | TM24124NZ01                                |
| MQUANT            | 3142342            | TM24124AR01                                |
| MQUANT            | SM-00237-2012      | TM24124BO01                                |
| MQUANT            | 840000774          | TM24124BR01                                |
| MQUANT            | 1559889            | TM24124CA01                                |
| MQUANT            | 989125             | TM24124CL01                                |
| MQUANT            | 12007557           | TM24124CO01                                |
| MQUANT            | 2012-000301        | TM24124CR01                                |
| MQUANT            | 2012-16905         | TM24124EC01                                |
| MQUANT            | 2012-00381         | TM24124GT01                                |
| MQUANT            | 1242169            | TM24124MX01                                |
| MQUANT            | 2012-000242        | TM24124NI01                                |
| MQUANT            | 208240             | TM24124PA01                                |
| MQUANT            | 480074             | TM24124PE01                                |
| MQUANT            | 2393/2012          | TM24124PY01                                |
| MQUANT            | 431328             | TM24124UY01                                |
| MQUANT            | 2012-001950        | TM24124VE01                                |
| MQUANT            | 2012/00910         | TM24124ZA01                                |
| MQUANT            | 302139930          | TM24124HK01                                |
| MQUANT            | 2273338            | TM24124IN01                                |
| MQUANT            | D00-2012-002402    | TM24124ID01                                |
| MQUANT            | 243775             | TM24124IL01                                |
| MQUANT            | 122353             | TM24124JO01                                |
| MQUANT            | 126821             | TM24124KW01                                |
| MQUANT            | 2012000813         | TM24124MY01                                |
| MQUANT            | 313008             | TM24124PK01                                |
| MQUANT            | 4-2012-000998      | TM24124PH01                                |
| MQUANT            | 176957             | TM24124SA01                                |
| MQUANT            | 101003024          | TM24124TW01                                |
| MQUANT            | 833767             | TM24124TH01                                |
| MQUANT            | 168505             | TM24124AE01                                |
| MQUANT            | 85519825           | TM24124US01                                |
| MSMART            | 1123759            | TM24039WO00                                |
| MSMART            | 30 2011 042 410.1  | TM24039DE00                                |
| MSMART            | 85/424,880         | TM24039US00                                |
| MSMART            | 2344443            | TM24039IN00                                |
| MSMART            | 010942738          | TM24039EU00                                |
| MSMART            | 302276505          | TM24039HK01                                |
| MSMART            | 2012-05049         | TM24039GT01                                |
| MSMART            | 2012009550         | TM24039MY01                                |
| MSMART            | 3170206            | TM24039AR01                                |
| MSMART            | 321371             | TM24039PK01                                |
| MSMART            | 960186             | TM24039NZ00                                |
| MSMART            | 27076/2012         | TM24039PY01                                |
| MSMART            | 2012-012506        | TM24039VE01                                |
| MSMART            | 2012/14965         | TM24039ZA01                                |
| MSMART            | 497008             | TM24039PE01                                |
| MSMART            | 2012-23697         | TM24039EC01                                |
| MSMART            | 1011638            | TM24039CL01                                |
| MSMART            | 12-099570          | TM24039CO01                                |
| MSMART            | 1282294            | TM24039MX01                                |
| MSMART            | 1282295            | TM24039MX03                                |

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| MSMART            | 1282297            | TM24039MX05                                |
| MSMART            | 213518             | TM24039PA01                                |
| MSMART (katakana) | 2012-56586         | TM24039JP01                                |
| MSURE             | 1104024            | TM24038WO00                                |
| MSURE             | 010359925          | TM24038EU00                                |
| MSURE             | 30 2011 042 409.8  | TM24038DE00                                |
| MSURE             | 85/424,891         | TM24038US00                                |
| MSURE             | 851348             | TM24038NZ00                                |
| MSURE             | 2011/18727         | TM24038NG01                                |
| MSURE             | 2011/26924         | TM24038ZA01                                |
| MSURE             | 3124494            | TM24038AR01                                |
| MSURE             | 831248769          | TM24038BR01                                |
| MSURE             | SM-05719-2011      | TM24038BO01                                |
| MSURE             | 975917             | TM24038CL00                                |
| MSURE             | 11147236           | TM24038CO00                                |
| MSURE             | 2011-010588        | TM24038CR00                                |
| MSURE             | not yet available  | TM24038EC01                                |
| MSURE             | 2011-09305         | TM24038GT01                                |
| MSURE             | 1223341            | TM24038MX01                                |
| MSURE             | 2011-004268        | TM24038NI00                                |
| MSURE             | 206771             | TM24038PA01                                |
| MSURE             | 45940              | TM24038PY01                                |
| MSURE             | 471815             | TM24038PE01                                |
| MSURE             | 428.640            | TM24038UY01                                |
| MSURE             | 2011-022239        | TM24038VE01                                |
| MSURE             | 302067741          | TM24038HK01                                |
| MSURE             | D-00-2011-043236   | TM24038ID01                                |
| MSURE             | 2011018815         | TM24038MY01                                |
| MSURE             | 309109             | TM24038PK01                                |
| MSURE             | 100055046          | TM24038TW00                                |
| MSURE             | 174050             | TM24038SA01                                |
| MSURE             | 826257             | TM24038TH01                                |
| MSURE (class 01)  | 2559212            | TM24038IN01                                |
| MSURE (class 03)  | 2559213            | TM24038IN03                                |
| MSURE (class 05)  | 2225715            | TM24038IN02                                |
| MSURE (katakana)  | 2012-14847         | TM24193JP01                                |
| MSYNTH            | 1103684            | TM24043WO00                                |
| MSYNTH            | 30 2011 042 415.2  | TM24043DE00                                |
| MSYNTH            | 85/424,870         | TM24043US00                                |
| MSYNTH            | 010360022          | TM24043EU00                                |
| MSYNTH            | 302102219          | TM24043HK00                                |
| MSYNTH            | 1554534            | TM24043CA00                                |
| MSYNTH            | 981976             | TM24043CL00                                |
| MSYNTH            | 853269             | TM24043NZ00                                |
| MSYNTH            | 4-2011-014382      | TM24043PH00                                |
| MSYNTH            | D00-2011-049626    | TM24043ID00                                |
| MSYNTH            | 2242872            | TM24043IN00                                |
| MSYNTH            | 100062013          | TM24043TW00                                |
| MSYNTH            | 2011/30870         | TM24043ZA01                                |
| MSYNTH            | 3133751            | TM24043AR01                                |
| MSYNTH            | 831273712          | TM24043BR01                                |
| MSYNTH            | 11169842           | TM24043CO01                                |
| MSYNTH            | 2011-14895         | TM24043EC01                                |
| MSYNTH            | 2011-10328         | TM24043GT01                                |
| MSYNTH            | 2011021164         | TM24043MY01                                |
| MSYNTH            | 1233567            | TM24043MX01                                |
| MSYNTH            | 310812             | TM24043PK01                                |
| MSYNTH            | 206872             | TM24043PA01                                |
| MSYNTH            | 53100/2011         | TM24043PY01                                |
| MSYNTH            | 475691             | TM24043PE01                                |
| MSYNTH            | 175218             | TM24043SA01                                |
| MSYNTH            | 828823             | TM24043TH01                                |
| MSYNTH            | 1796827            | TM24043CA01                                |
| MSYNTH            | 2011-024073        | TM24043VE01                                |
| MSYNTH (katakana) | 2012-8380          | TM24192JP01                                |
| MULTOSPHER        | 305 57 658.5       | TM5540DE01                                 |
| MVP ICON          | 85819337           | TM26290US00                                |
| NEO-CLEAR         | 659623             | TM5607WO00                                 |
| NEO-CLEAR         | 89066814           | TM5607TW00                                 |

| Trademark        | Application number   | Case number according to internal database |
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| NEO-CLEAR        | 507087               | TM5607CL00                                 |
| NEO-CLEAR        | 85725                | TM5607CO01                                 |
| NEO-CLEAR        | 109073               | TM5607EC01                                 |
| NEO-CLEAR        | 457921               | TM5607MX01                                 |
| NEO-CLEAR        | 117161               | TM5607PE01                                 |
| NEO-CLEAR        | 823388557            | TM5607BR01                                 |
| NEO-CLEAR        | 2000/02812           | TM5607IE00                                 |
| NEO-CLEAR        | 137205               | TM5607GR00                                 |
| NEO-CLEAR        | 853344               | TM5607CA00                                 |
| NEO-CLEAR        | 396 09 082.6         | TM5607DE00                                 |
| NEO-CLEAR        | 402000-53780         | TM5607KR00                                 |
| NEO-CLEAR        | 4-2011-003655        | TM5607PH02                                 |
| NEO-CYTOCOLOR    | 011189974            | TM24326EU00                                |
| NEO-CYTOCOLOR    | 30 2012 049 110.3    | TM24326DE00                                |
| NEO-MOUNT        | 662127               | TM5612WO00                                 |
| NEO-MOUNT        | 2000/02810           | TM5612IE00                                 |
| NEO-MOUNT        | 137207               | TM5612GR00                                 |
| NEO-MOUNT        | 396 09 076.1         | TM5612DE00                                 |
| NEUTRALIT        | 239504               | TM5646WO00                                 |
| NEUTRALIT        | M15649/1WZ           | TM5646DE00                                 |
| NEUTRALIT        | 595,918              | TM5646AR01                                 |
| NEUTRALIT        | 68423                | TM5646MX01                                 |
| NEUTRALIT        | 60-3128              | TM5646SE00                                 |
| NEUTRALIT        | 73389                | TM5646RU00                                 |
| NEUTRALIT        | 64800/74             | TM5646JP00                                 |
| NEUTRALIT        | 7354                 | TM5646KO01                                 |
| NEUTRALIT (KATA) | 96838/84             | TM5647JP00                                 |
| NIVITIN          | 147934               | TM5672WO00                                 |
| NIVITIN          | 7344                 | TM5672KO01                                 |
| NOVABIOCHEM      | 807116               | TM5692AU00                                 |
| NOVABIOCHEM      | 2000-70948           | TM5692JP00                                 |
| NOVABIOCHEM      | 02410/1992           | TM5692CH00                                 |
| NOVABIOCHEM      | 1.345.642            | TM5692GB00                                 |
| NOVABIOCHEM      | 2.511.827            | TM5692US00                                 |
| NOVABIOCHEM      | 300 61 343.1         | TM5692DE00                                 |
| NOVAGEN          | 74030469             | TM4386US00                                 |
| NOVASYN          | 575106               | TM4436WO01                                 |
| NOVASYN          | 73768131             | TM4436US00                                 |
| NOVASYN          | 1345641              | TM4436GB00                                 |
| NOVASYN          | 384953               | TM4436CH00                                 |
| NOVASYN          | S63-139077           | TM4436JP00                                 |
| NOVASYN          | 7358                 | TM4436KO00                                 |
| NOVASYN          | 0618807              | TM4436CA00                                 |
| NOVASYN          | 362 304              | TM4436CH01                                 |
| NOVASYN          | 529660               | TM4436WO00                                 |
| NOVATAG          | 003675766            | TM4201EU00                                 |
| NOVATAG          | 76592001             | TM4201US00                                 |
| NOVATAG          | 522.963              | TM4201CH00                                 |
| OLIGOPREP        | 1160433              | TM5744CA00                                 |
| OMNISOLV         | 447,959              | TM5755CA00                                 |
| OMNISOLV         | 370252               | TM5755AU00                                 |
| OMNISOLV         | 73/218,373           | TM5755US00                                 |
| OMNITRACE        | 75/167,291           | TM5756US00                                 |
| OMNITRACE        | 08283800             | TM5756CA00                                 |
| OMNITRACE-LOGO 1 | 75/167,292           | TM5757US00                                 |
| OMNITRACE-LOGO 1 | 082684000            | TM5757CA00                                 |
| OSTEOMOLL        | 798859               | TM7282WO00                                 |
| OSTEOMOLL        | 302 24 612.6         | TM7282DE00                                 |
| OSTEOMOLL        | 824903030            | TM7282BR01                                 |
| OSTEOMOLL        | 824903048            | TM7282BR05                                 |
| OSTEOMOLL        | 577.763              | TM7282CL00                                 |
| OSTEOMOLL        | 577.764              | TM7282CL01                                 |
| OSTEOMOLL        | 1196052              | TM7282CA00                                 |
| OSTEOMOLL        | 85/396,285           | TM7282US00                                 |
| OSTEOMOLL        | 02071661             | TM7282CO01                                 |
| OSTEOMOLL        | 02071659             | TM7282CO05                                 |
| OSTEOMOLL        | 126577               | TM7282EC01                                 |
| OSTEOMOLL        | D00-2002-18121-18327 | TM7282ID01                                 |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Trademark            | Application number   | Case number according to internal database |
|----------------------|----------------------|--------------------------------------------|
| OSTEOMOLL            | D00-2002-18122-18328 | TM7282ID05                                 |
| OSTEOMOLL            | 40-2002-36902        | TM7282KR00                                 |
| OSTEOMOLL            | 2002-09775           | TM7282MY01                                 |
| OSTEOMOLL            | 2002-09774           | TM7282MY05                                 |
| OSTEOMOLL            | 561326               | TM7282MX01                                 |
| OSTEOMOLL            | 561325               | TM7282MX05                                 |
| OSTEOMOLL            | 179718               | TM7282PK01                                 |
| OSTEOMOLL            | 179717               | TM7282PK05                                 |
| OSTEOMOLL            | 159431               | TM7282PE01                                 |
| OSTEOMOLL            | 159432               | TM7282PE05                                 |
| OSTEOMOLL            | 4-2002-006798        | TM7282PH00                                 |
| OSTEOMOLL            | 91035009             | TM7282TW00                                 |
| OSTEOMOLL            | 91035008             | TM7282TW01                                 |
| OSTEOMOLL (KATAKANA) | 2006-51-378          | TM3760JP00                                 |
| OSTEOSOFT            | 798858               | TM7275WO00                                 |
| OSTEOSOFT            | 302 24 613.4         | TM7275DE00                                 |
| OSTEOSOFT            | 824900049            | TM7275BR01                                 |
| OSTEOSOFT            | 824900057            | TM7275BR05                                 |
| OSTEOSOFT            | 577.514              | TM7275CL00                                 |
| OSTEOSOFT            | 02070868             | TM7275CO01                                 |
| OSTEOSOFT            | 02070870             | TM7275CO05                                 |
| OSTEOSOFT            | 126579               | TM7275EC01                                 |
| OSTEOSOFT            | 126580               | TM7275EC05                                 |
| OSTEOSOFT            | 560550               | TM7275MX01                                 |
| OSTEOSOFT            | 560551               | TM7275MX05                                 |
| OSTEOSOFT            | 159105               | TM7275PE01                                 |
| OSTEOSOFT            | 159106               | TM7275PE05                                 |
| OSTEOSOFT            | D00-2002-22542.22789 | TM7275ID01                                 |
| OSTEOSOFT            | D00-2002-22543.22790 | TM7275ID05                                 |
| OSTEOSOFT            | 2002/09515           | TM7275MY01                                 |
| OSTEOSOFT            | 02009514             | TM7275MY05                                 |
| OSTEOSOFT            | 179663               | TM7275PK01                                 |
| OSTEOSOFT            | 179664               | TM7275PK05                                 |
| OSTEOSOFT            | 91032211             | TM7275TW00                                 |
| OSTEOSOFT            | 91032210             | TM7275TW01                                 |
| OSTEOSOFT            | 577.513              | TM7275CL01                                 |
| OSTEOSOFT            | 1196311              | TM7275CA00                                 |
| OSTEOSOFT            | 40-2002-36385        | TM7275KR01                                 |
| OSTEOSOFT            | 4-2011-005173        | TM7275PH01                                 |
| OSTEOSOFT            | 85396296             | TM7275US00                                 |
| OSTEOSOFT (KATAKANA) | 2006-45 608          | TM3780JP00                                 |
| OXIFRIT-TEST         | 472873               | TM5821WO00                                 |
| OXIFRIT-TEST         | M51199/1WZ           | TM5821DE00                                 |
| OXIFRIT-TEST         | 7351                 | TM5821KO01                                 |
| OXYNEX               | 195686               | TM5825WO00                                 |
| OXYNEX               | 003340461            | TM5825EU00                                 |
| OXYNEX               | 811 294 439          | TM5825BR01                                 |
| OXYNEX               | 76/142472            | TM5825US00                                 |
| OXYNEX               | M10099/1WZ           | TM5825DE00                                 |
| OXYNEX               | 7352                 | TM5825KO01                                 |
| OYSTER               | 1388018              | TM3441IN00                                 |
| PARTECK              | 0009382433           | TM5854EU00                                 |
| PARTECK              | 1072499              | TM5854WO00                                 |
| PARTECK              | 99/829 211           | TM5854FR00                                 |
| PARTECK              | 2217063              | TM5854GB00                                 |
| PARTECK              | 2108215              | TM5854IN00                                 |
| PARTECK              | 3.069.748            | TM5854AR01                                 |
| PARTECK              | 3.069.749            | TM5854AR05                                 |
| PARTECK              | 830949950            | TM5854BR01                                 |
| PARTECK              | 830949968            | TM5854BR05                                 |
| PARTECK              | 1159055              | TM5854MX01                                 |
| PARTECK              | 1159053              | TM5854MX05                                 |
| PARTECK              | 85251454             | TM5854US01                                 |
| PARTECK-LOGO 2       | 30 2010 051 869.3    | TM9206DE00                                 |

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| PARTECK-LOGO 2            | 1090121            | TM9206WO00                                 |
| PARTECK-LOGO 2            | 3.069.750          | TM9206AR01                                 |
| PARTECK-LOGO 2            | 3.069.751          | TM9206AR05                                 |
| PARTECK-LOGO 2            | 2108214            | TM9206IN00                                 |
| PARTECK-LOGO 2            | 1159049            | TM9206MX01                                 |
| PARTECK-LOGO 2            | 1159050            | TM9206MX05                                 |
| PARTECK-LOGO 2            | 830949984          | TM9206BR01                                 |
| PARTECK-LOGO 2            | 830950001          | TM9206BR05                                 |
| PARTECK-LOGO 2            | 85/251.497         | TM9206US00                                 |
| PATHREADER                | 307 53 646.7       | TM4224DE00                                 |
| PATHREADER                | 2.801.985          | TM4224AR09                                 |
| PATHREADER                | 783135             | TM4224NZ00                                 |
| PERHYDRIT                 | 034624             | TM5879WO00                                 |
| PERHYDRIT                 | M20040/5WZ         | TM5879DE00                                 |
| PERHYDRIT                 | 7348               | TM5879KO00                                 |
| PERHYDROL                 | 034611             | TM5880WO00                                 |
| PERHYDROL                 | M7195/1WZ          | TM5880DE00                                 |
| PERHYDROL                 | 269130             | TM5880BR01                                 |
| PERHYDROL                 | T192400015         | TM5880FI00                                 |
| PERHYDROL                 | 9439               | TM5880GR00                                 |
| PERHYDROL                 | 68415              | TM5880MX01                                 |
| PERHYDROL                 | 1567/49            | TM5880SE00                                 |
| PERHYDROL                 | 73396              | TM5880RU00                                 |
| PERHYDROL                 | 7349               | TM5880KO00                                 |
| PHARMPREP                 | M77654/1WZ         | TM5888DE00                                 |
| PHARMPREP                 | [not available]    | TM5888DE01                                 |
| PHARMPREP                 | 87687199           | TM5888US00                                 |
| PHARO                     | 908539             | TM3881WO00                                 |
| PHARO                     | 756744             | TM3881NZ00                                 |
| PHARO                     | 306 54 176.9       | TM3881DE00                                 |
| PHARO                     | 2006/24271         | TM3881ZA09                                 |
| PHARO                     | 2.707.079          | TM3881AR09                                 |
| PHARO                     | 82882119           | TM3881BR09                                 |
| PHARO                     | 747.178            | TM3881CL00                                 |
| PHARO                     | 176728             | TM3881EC09                                 |
| PHARO                     | 2006-08589         | TM3881GT09                                 |
| PHARO                     | 293880             | TM3881PE09                                 |
| PHARO                     | 375.327            | TM3881UY00                                 |
| PHARO                     | 2006-023295        | TM3881VE09                                 |
| PHARO                     | 1496162            | TM3881IN00                                 |
| PHARO                     | 194745             | TM3881IL09                                 |
| PHARO                     | 06018496           | TM3881MY09                                 |
| PHARO                     | 228324             | TM3881PK09                                 |
| PHARO                     | 4-2006-011157      | TM3881PH00                                 |
| PHARO                     | 95052302           | TM3881TW00                                 |
| PHARO                     | 641576             | TM3881TH09                                 |
| PHARO                     | D00-2006-034959    | TM3881ID09                                 |
| PHARO                     | 08037781           | TM3881CO0901                               |
| PLUSALLIANCE              | 010187755          | TM24047EU00                                |
| POLYSPHER                 | M59070/1WZ         | TM5913DE00                                 |
| POLYSPHER                 | 1310153            | TM5913GB00                                 |
| POLYSPHER                 | 512713             | TM5913WO00                                 |
| POLYSPHER (WITH KATAKANA) | 80679/1987         | TM9105JP00                                 |
| PREPBAR (KATA)            | 136107/1984        | TM5935JP00                                 |
| PREPCART                  | 1551450            | TM5936GB00                                 |
| PREPCART                  | A615025            | TM5936AU00                                 |
| PREPCART                  | 610078             | TM5936WO00                                 |
| PREPROD                   | 399 19 710.9       | TM5937DE00                                 |
| PREPSOLV                  | M58457/1WZ         | TM5939DE00                                 |
| PREPSOLV                  | 87-0470            | TM5939SE00                                 |
| PREPSOLV                  | 508667             | TM5939WO00                                 |
| PREPSOLV (KATAKANA)       | 2006-45 609        | TM3769JP00                                 |
| PROTEOCHROM               | 302 36 953.8       | TM7315DE00                                 |
| PROTEOEXTRACT             | 002911915          | TM7267EU00                                 |
| PROTEOEXTRACT             | 302 31 137.8       | TM7267DE00                                 |
| PROTEOEXTRACT             | 78/143989          | TM7267US00                                 |
| PROTEOEXTRACT             | 2003-7 409         | TM7267JP00                                 |

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| PROTEOEXTRACT                 | 2003-7 408         | TM7267JP01                                 |
| PUROSPHER                     | M74407/1WZ         | TM5976DE00                                 |
| PUROSPHER                     | 6531/93            | TM5976DK00                                 |
| PUROSPHER                     | 4462/93            | TM5976FI00                                 |
| PUROSPHER                     | 934834             | TM5976NO00                                 |
| PUROSPHER                     | 9323-93            | TM5976SE00                                 |
| PUROSPHER                     | 1550891            | TM5976GB00                                 |
| PUROSPHER                     | 82051244           | TM5976TW00                                 |
| PUROSPHER                     | 106356/1993        | TM5976JP00                                 |
| PUROSPHER                     | 609037             | TM5976WO00                                 |
| PYBOP                         | 2008589            | TM4223GB00                                 |
| PYBOP                         | H10-101044         | TM4223JP00                                 |
| PYBOP                         | 09034/1994         | TM4223CH00                                 |
| PYBOP                         | 637641             | TM4223WO00                                 |
| PYBOP                         | 1.921.356          | TM4223US00                                 |
| PYBROP                        | 74548372           | TM4202US00                                 |
| PYBROP                        | 2008591            | TM4202GB00                                 |
| PYBROP                        | H10-101045         | TM4202JP00                                 |
| PYBROP                        | 09035/1994         | TM4202CH00                                 |
| PYBROP                        | 637642             | TM4202WO00                                 |
| PYROMAT                       | 016975401          | TM26407EU00                                |
| PYROMAT                       | [not available]    | TM26407WO00                                |
| PYROMAT                       | 302017017413       | TM26407DE00                                |
| PYROMAT                       | 1847204            | TM26407CA00                                |
| PYROMAT                       | 106043102          | TM26407TW00                                |
| PYROMAT                       | 913127256          | TM26407BR01                                |
| PYROMAT                       | 913127523          | TM26407BR05                                |
| PYROMAT                       | 913128007          | TM26407BR09                                |
| PYROMAT                       | 913128155          | TM26407BR42                                |
| RAMBACH (NO RENEWAL BY MERCK) | 551110             | TM5998WO00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 74/142,725         | TM5998US00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 1551985            | TM5998FR00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 3391/92            | TM5998DK00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 1500092            | TM5998GB00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 2236/92            | TM5998FI00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 922319             | TM5998NO00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 92-04233           | TM5998SE00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 579248             | TM5998AU00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 705937             | TM5998CA00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 625520             | TM5998MX05                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 269/10             | TM5998KO00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 88-035634          | TM5998TW00                                 |
| RAMBACH (NO RENEWAL BY MERCK) | 2000-0026356       | TM5998KR00                                 |

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| MERCK)                        |                    |                                            |
| RAMBACH (NO RENEWAL BY MERCK) | [not available]    | TM5998AR00                                 |
| RAPIDCULT                     | 2.792.002          | TM4132AR01                                 |
| RAPIDCULT                     | 2.792.003          | TM4132AR05                                 |
| RAPIDCULT                     | 829522824          | TM4132BR01                                 |
| RAPIDCULT                     | 829522832          | TM4132BR05                                 |
| RAPIDCULT                     | 1627582            | TM4132IN00                                 |
| RAPIDCULT                     | 338320             | TM4132PE01                                 |
| RAPIDCULT                     | 338326             | TM4132PE05                                 |
| RAPIDCULT                     | 798.604            | TM4132CL00                                 |
| RAPIDCULT                     | 07 134026          | TM4132CO01                                 |
| RAPIDCULT                     | 07 134029          | TM4132CO05                                 |
| RAPIDCULT                     | 193124             | TM4132EC01                                 |
| RAPIDCULT                     | 193125             | TM4132EC05                                 |
| RAPIDCULT                     | 2007-10494         | TM4132GT01                                 |
| RAPIDCULT                     | 2007-10493         | TM4132GT05                                 |
| RAPIDCULT                     | 77768039           | TM4132US01                                 |
| RCS                           | 39547847.2         | TM24064DE00                                |
| RCS                           | 757281             | TM24064AU00                                |
| RCS                           | H10-021445         | TM24064JP00                                |
| RCS                           | 75480057           | TM24064US00                                |
| READYBAG                      | 010193142          | TM9370EU00                                 |
| READYBAG                      | 1171849            | TM9370WO00                                 |
| READYBAG                      | 30 2011 020 085.8  | TM9370DE00                                 |
| READYBAG                      | 3263606            | TM9370AR00                                 |
| READYBAG                      | 840581769          | TM9370BR00                                 |
| READYBAG                      | 1066802            | TM9370CL00                                 |
| READYBAG                      | D00-2013-035355    | TM9370ID00                                 |
| READYBAG                      | 1392357            | TM9370MX00                                 |
| READYBAG                      | 2013009878         | TM9370MY00                                 |
| READYBAG                      | 902004             | TM9370TH00                                 |
| READYBAG                      | 102037832          | TM9370TW00                                 |
| READYBAG                      | 2013/18728         | TM9370ZA00                                 |
| READYBAG                      | 3263607            | TM9370AR01                                 |
| READYBAG                      | 1442590            | TM9370AU00                                 |
| READYBAG                      | 85/396,250         | TM9370US00                                 |
| READYCULT                     | 003101938          | TM6012EU00                                 |
| READYCULT                     | 655869             | TM6012WO00                                 |
| READYCULT                     | 75/221009          | TM6012US00                                 |
| READYCULT                     | 821597             | TM6012CA00                                 |
| READYCULT                     | 395 50 028.1       | TM6012DE00                                 |
| READYCULT                     | 2448035            | TM6012AR05                                 |
| READYCULT                     | 825737362          | TM6012BR05                                 |
| READYCULT                     | 03 065347          | TM6012CO05                                 |
| READYCULT                     | 81836              | TM6012BD05                                 |
| READYCULT                     | 683735             | TM6012NZ00                                 |
| READYCULT                     | 92046035           | TM6012TW00                                 |
| READYCULT                     | 2003-010046        | TM6012VE05                                 |
| READYCULT                     | 4-2003-06960       | TM6012PH00                                 |
| READYCULT                     | 187495             | TM6012PK05                                 |
| READYCULT (KATAKANA)          | 2006-45 147        | TM3779JP00                                 |
| READYPLATE                    | 013739529          | TM25177EU00                                |
| READYPLATE                    | 1254985            | TM25177WO00                                |
| READYPLATE                    | 302015012118       | TM25177DE00                                |
| READYPLATE                    | 2015/04294         | TM25177ZA00                                |
| READYPLATE                    | 909032238          | TM25177BR00                                |
| READYPLATE                    | 3388028            | TM25177AR01                                |
| READYPLATE                    | 3388029            | TM25177AR05                                |
| READYPLATE                    | 975725             | TM25177TH00                                |
| READYPLATE                    | 104010309          | TM25177TW00                                |
| READYPLATE                    | 2015002009         | TM25177MY01                                |
| READYPLATE                    | 2015002011         | TM25177MY05                                |
| READYPLATE                    | D00.2015.007450    | TM25177ID00                                |
| READYPLATE                    | 2015-002656        | TM25177VE01                                |
| READYPLATE                    | 2015-002654        | TM25177VE05                                |
| READYPLATE                    | 462317             | TM25177UY00                                |



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| Trademark              | Application number | Case number according to internal database |
|------------------------|--------------------|--------------------------------------------|
| READYPLATE             | 607911             | TM25177PE00                                |
| READYPLATE             | 6371/2015          | TM25177PY01                                |
| READYPLATE             | 6372/2015          | TM25177PY05                                |
| READYPLATE             | IEPI-2015-7174     | TM25177EC01                                |
| READYPLATE             | IEPI-2015-7176     | TM25177EC05                                |
| READYPLATE             | 1143414            | TM25177CL00                                |
| READYPLATE             | 1715779            | TM25177CA00                                |
| READYPLATE             | 2015/04295         | TM25177ZA01                                |
| READYPLATE             | 607909             | TM25177PE01                                |
| READYPLATE             | 975726             | TM25177TH01                                |
| READYPLATE             | 909032300          | TM25177BR01                                |
| READYPLATE             | D00.2015.007451    | TM25204ID00                                |
| READYPLATE IN CHINESE  | 16413754           | TM25194CN00                                |
| READYPLATE IN CHINESE  | 40201503582T       | TM25194SG00                                |
| READYPLATE IN CHINESE  | 104010830          | TM25194TW00                                |
| READYPLATE IN CHINESE  | 2015002240         | TM25194MY00                                |
| READYPLATE IN CHINESE  | 2015002241         | TM25194MY01                                |
| READYPLATE IN KATAKANA | 2015-16988         | TM25193JP00                                |
| READYPLATE IN KATAKANA | 40-2015-0014332    | TM25193KR00                                |
| READYQUANT             | 800908             | TM7391WO00                                 |
| READYQUANT             | 003099876          | TM7391EU00                                 |
| READYQUANT             | 833 487            | TM7391WO01                                 |
| READYQUANT             | 0003981768         | TM7391EU01                                 |
| READYQUANT             | 615.534            | TM7391CL00                                 |
| READYQUANT             | 2.496.800          | TM7391AR09                                 |
| READYQUANT             | 84375              | TM7391BD09                                 |
| READYQUANT             | 1268152            | TM7391IN01                                 |
| READYQUANT             | 2004-01870         | TM7391MY09                                 |
| READYQUANT             | 192422             | TM7391PK09                                 |
| READYQUANT             | 708352             | TM7391NZ01                                 |
| READYQUANT             | 93006677           | TM7391TW01                                 |
| READYQUANT             | 545708             | TM7391TH09                                 |
| READYQUANT             | 2004-002204        | TM7391VE09                                 |
| READYQUANT             | 2004/02453         | TM7391ZA09                                 |
| READYQUANT             | 643255             | TM7391MX09                                 |
| READYQUANT             | 304 10 002.1       | TM7391DE01                                 |
| READYQUANT             | 04019976           | TM7391CO09                                 |
| READYQUANT             | 170557             | TM7391IL09                                 |
| READYQUANT             | 85/512,489         | TM7391US01                                 |
| READYQUANT             | 637.789            | TM7391CL01                                 |
| READYTUBE              | 013739594          | TM25178EU00                                |
| READYTUBE              | 1254010            | TM25178WO00                                |
| READYTUBE              | 302015012117       | TM25178DE00                                |
| READYTUBE              | 909032335          | TM25178BR00                                |
| READYTUBE              | 2015/04296         | TM25178ZA01                                |
| READYTUBE              | 2015/04297         | TM25178ZA05                                |
| READYTUBE              | 3388030            | TM25178AR01                                |
| READYTUBE              | 3388032            | TM25178AR05                                |
| READYTUBE              | 462318             | TM25178UY00                                |
| READYTUBE              | 2015-002653        | TM25178VE01                                |
| READYTUBE              | 2015-002652        | TM25178VE05                                |
| READYTUBE              | 607910             | TM25178PE00                                |
| READYTUBE              | 6373/2015          | TM25178PY01                                |
| READYTUBE              | 6374/2015          | TM25178PY05                                |
| READYTUBE              | IEPI-2015-7177     | TM25178EC01                                |
| READYTUBE              | IEPI-2015-7181     | TM25178EC05                                |
| READYTUBE              | 1143413            | TM25178CL00                                |
| READYTUBE              | 1715778            | TM25178CA00                                |
| READYTUBE              | 975727             | TM25178TH00                                |
| READYTUBE              | 104010310          | TM25178TW00                                |
| READYTUBE              | 2015002010         | TM25178MY01                                |
| READYTUBE              | 2015002008         | TM25178MY05                                |

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| READYTUBE                | D00.2015.007451    | TM25178ID00                                |
| READYTUBE                | 607908             | TM25178PE01                                |
| READYTUBE                | 975728             | TM25178TH01                                |
| READYTUBE                | 909032378          | TM25178BR01                                |
| READYTUBE                | D00.2015.007448    | TM25178ID01                                |
| READYTUBE IN CHINESE     | 16413753           | TM25195CN00                                |
| READYTUBE IN CHINESE     | 2015002242         | TM25195MY00                                |
| READYTUBE IN CHINESE     | 2015002243         | TM25195MY01                                |
| READYTUBE IN CHINESE     | 104011555          | TM25195TW00                                |
| READYTUBE IN CHINESE     | 40201503583U       | TM25195SG00                                |
| READYTUBE IN KATAKANA    | 2015-16989         | TM25178JP00                                |
| READYTUBE IN KATAKANA    | 40-2015-0014333    | TM25178KR00                                |
| REFLECTOQUANT            | 003339199          | TM6021EU00                                 |
| REFLECTOQUANT            | 306 78 576.5       | TM6021DE00                                 |
| REFLECTOQUANT            | 592632             | TM6021WO00                                 |
| REFLECTOQUANT            | 74/338,011         | TM6021US00                                 |
| REFLECTOQUANT            | M70429/1WZ         | TM6021DE01                                 |
| REFLECTOQUANT            | 7234/92            | TM6021DK00                                 |
| REFLECTOQUANT            | 1515622            | TM6021GB00                                 |
| REFLECTOQUANT            | 4855/92            | TM6021FI00                                 |
| REFLECTOQUANT            | 925036             | TM6021NO00                                 |
| REFLECTOQUANT            | 92-08908           | TM6021SE00                                 |
| REFLECTOQUANT (katakana) | 303654/1992        | TM6021JP00                                 |
| RQEASY                   | 821125             | TM7522WO00                                 |
| RQEASY                   | 003391547          | TM7522EU00                                 |
| RQEASY                   | 303 17 578.8       | TM7522DE00                                 |
| RQFLEX                   | 856151             | TM6096WO00                                 |
| RQFLEX                   | 397 40 228.7       | TM6096DE00                                 |
| SAFEDAT                  | 1140670            | TM6108IN00                                 |
| SAFEDAT (KATAKANA)       | 2006-45 612        | TM3781JP00                                 |
| SALMOSYST                | M54325/5WZ         | TM6119DE00                                 |
| SANGODIFF                | M43541/5WZ         | TM6126DE00                                 |
| SECCOCEPT                | 981274             | TM4398WO00                                 |
| SECCOCEPT                | 30 2008 002 502.6  | TM4398DE00                                 |
| SECCOCEPT                | 2.838.754          | TM4398AR20                                 |
| SECCOCEPT                | 829884904          | TM4398BR20                                 |
| SECCOCEPT                | 2008/15976         | TM4398ZA20                                 |
| SECCOCEPT                | 792573             | TM4398NZ00                                 |
| SECCOCEPT                | 828.964            | TM4398CL00                                 |
| SECCOCEPT                | 2008-05859         | TM4398GT20                                 |
| SECCOCEPT                | 947307             | TM4398MX20                                 |
| SECCOCEPT                | 360126             | TM4398PE20                                 |
| SECCOCEPT                | 2008-013259        | TM4398VE20                                 |
| SECCOCEPT                | 1709848            | TM4398IN00                                 |
| SECCOCEPT                | D00-2008-025586    | TM4398ID06                                 |
| SECCOCEPT                | 213125             | TM4398IL20                                 |
| SECCOCEPT                | 08013663           | TM4398MY20                                 |
| SECCOCEPT                | 253132             | TM4398PK20                                 |
| SECCOCEPT                | 4-2008-0008341     | TM4398PH00                                 |
| SECCOCEPT                | 133045             | TM4398SA20                                 |
| SECCOCEPT                | 097032909          | TM4398TW00                                 |
| SECCOCEPT                | 701938             | TM4398TH20                                 |
| SECCOCEPT                | D00-2008-025584    | TM4398ID09                                 |
| SECCOCEPT                | D00-2008-025583    | TM4398ID20                                 |
| SECCOCEPT (IN KATAKANA)  | 2008 - 75 672      | TM4645JP00                                 |
| SECCOSOLV                | M78822/1WZ         | TM6154DE00                                 |
| SECCOSOLV                | 643493             | TM6154WO00                                 |
| SECCOSOLV                | 2140206            | TM6154AR01                                 |
| SECCOSOLV                | 98019643           | TM6154CO01                                 |
| SECCOSOLV                | 4797-98            | TM6154VE01                                 |

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| SECCOSOLV             | 820.642.460        | TM6154BR01                                 |
| SECCOSOLV             | 409158             | TM6154CL00                                 |
| SECCOSOLV             | 1505913            | TM6154CA00                                 |
| SECCOSOLV             | 73553              | TM6154PR00                                 |
| SECCOSOLV             | 85169192           | TM6154US00                                 |
| SECCOSOLV             | 2030825            | TM6154GB00                                 |
| SECCOSOLV (KATAKANA)  | 2006-45 142        | TM3768JP00                                 |
| SEQUANT               | 979952             | TM4490WO00                                 |
| SEQUANT               | 30 2008 014 366.5  | TM4490DE00                                 |
| SEQUANT               | 214653             | TM4490IL01                                 |
| SEQUANT               | 214654             | TM4490IL09                                 |
| SEQUANT               | 2008/20665         | TM4490ZA01                                 |
| SEQUANT               | 2008/20666         | TM4490ZA09                                 |
| SEQUANT               | 959364             | TM4490MX01                                 |
| SEQUANT               | 959365             | TM4490MX09                                 |
| SEQUANT               | 08017471           | TM4490MY01                                 |
| SEQUANT               | 08017474           | TM4490MY09                                 |
| SEQUANT               | 77561602           | TM4490US00                                 |
| SEQUANT               | 835.934            | TM4490CL00                                 |
| SEQUANT               | 08 092376          | TM4490CO01                                 |
| SEQUANT               | 829949097          | TM4490BR09                                 |
| SEQUANT               | 097041183          | TM4490TW00                                 |
| SEQUANT               | 706788             | TM4490TH01                                 |
| SEQUANT               | 706789             | TM4490TH09                                 |
| SEQUANT               | 2008-017342        | TM4490VE01                                 |
| SEQUANT               | 2008-017343        | TM4490VE09                                 |
| SEQUANT               | 2.853.453          | TM4490AR01                                 |
| SEQUANT               | 2.853.454          | TM4490AR09                                 |
| SEQUANT               | 829948961          | TM4490BR01                                 |
| SEQUANT               | 365761             | TM4490PE01                                 |
| SEQUANT               | 365762             | TM4490PE09                                 |
| SEQUANT               | D-2008-032468      | TM4490ID01                                 |
| SEQUANT               | 1727962            | TM4490IN00                                 |
| SEQUANT (KATAKANA)    | 2008-75 673        | TM4701JP00                                 |
| SEROMED-LOGO 1        | 474455             | TM24321WO00                                |
| SEROMED-LOGO 1        | B70820             | TM24321DE01                                |
| SEROMED-LOGO 1        | VA 004674 1982     | TM24321DK01                                |
| SEROMED-LOGO 1        | 198205731          | TM24321FI00                                |
| SEROMED-LOGO 1        | 111424             | TM24321IE01                                |
| SEROMED-LOGO 1        | 55369              | TM24321IL01                                |
| SEROMED-LOGO 1        | 1982/04648         | TM24321SE00                                |
| SEROMED-LOGO 1        | 1946464 M9         | TM24321ES05                                |
| SEROMED-LOGO 1        | [not available]    | TM24321GR00                                |
| SEROMED-LOGO 1        | 1180010            | TM24321GB01                                |
| SICAPENT              | 269373             | TM6200WO00                                 |
| SICAPENT              | SCH15067/1WZ       | TM6200DE00                                 |
| SICAPENT              | 427,899            | TM6200CA00                                 |
| SICAPENT              | 200,930            | TM6200US00                                 |
| SICAPENT              | 6333               | TM6200KO01                                 |
| SIMPLATE              | 301390             | TM26244EU00                                |
| SIMPLATE              | 819979007          | TM26244BR00                                |
| SIMPLATE              | 0815217            | TM26244CA00                                |
| SIMPLATE              | 75033211           | TM26244US00                                |
| SIMPLATE              | H08-066409         | TM26244JP00                                |
| SIMPLATE              | 1371172002         | TM26244JP01                                |
| SIMPLATE              | 301207             | TM26244MX00                                |
| SINGLEPATH            | 659945             | TM6226WO00                                 |
| SINGLEPATH            | 78/149,810         | TM6226US00                                 |
| SINGLEPATH            | 396 09 081.8       | TM6226DE00                                 |
| SINGLEPATH (KATAKANA) | 91314/1996         | TM4438JP00                                 |
| S-PAK                 | 008649147          | TM9900EU00                                 |
| S-PAK                 | 77/592449          | TM9900US01                                 |
| SPECTROMELT           | 426964             | TM6289WO00                                 |
| SPECTROMELT           | M41300/1WZ         | TM6289DE00                                 |
| SPECTROMELT           | 3659/M-76          | TM6289BR01                                 |
| SPECTROMELT           | 500/76             | TM6289DK00                                 |

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| SPECTROMELT                               | 76-0505              | TM6289SE00                                 |
| SPECTROMELT                               | 76/0540              | TM6289ZA01                                 |
| SPECTROMELT                               | 232/76               | TM6289IE00                                 |
| SPECTROMELT                               | 212,015              | TM6289US00                                 |
| SPECTROMELT                               | 6327 (IR No. 426964) | TM6289KO01                                 |
| SPECTROMELT                               | 1058405              | TM6289GB00                                 |
| SPECTROMELT (WITH KATA)                   | 7372/1976            | TM6290JP00                                 |
| SPECTROQUANT                              | 005767074            | TM6292EU00                                 |
| SPECTROQUANT                              | 932163               | TM6292WO00                                 |
| SPECTROQUANT                              | 003338514            | TM6292EU01                                 |
| SPECTROQUANT                              | 306 78 575.7         | TM6292DE00                                 |
| SPECTROQUANT                              | 2.752.591            | TM6292AR09                                 |
| SPECTROQUANT                              | 829195939            | TM6292BR09                                 |
| SPECTROQUANT                              | 777.311              | TM6292CL00                                 |
| SPECTROQUANT                              | 07 060722            | TM6292CO09                                 |
| SPECTROQUANT                              | 770361               | TM6292NZ00                                 |
| SPECTROQUANT                              | 237836               | TM6292PK09                                 |
| SPECTROQUANT                              | 318462               | TM6292PE09                                 |
| SPECTROQUANT                              | 1569286              | TM6292IN00                                 |
| SPECTROQUANT                              | 201185               | TM6292IL09                                 |
| SPECTROQUANT                              | 2007-05083           | TM6292GT09                                 |
| SPECTROQUANT                              | 118626               | TM6292SA09                                 |
| SPECTROQUANT                              | 96299                | TM6292AE09                                 |
| SPECTROQUANT                              | 096028451            | TM6292TW00                                 |
| SPECTROQUANT                              | 2007/12816           | TM6292ZA09                                 |
| SPECTROQUANT                              | 2007-014155          | TM6292VE09                                 |
| SPECTROQUANT                              | 185417               | TM6292EC09                                 |
| SPECTROQUANT                              | 382.675              | TM6292UY00                                 |
| SPECTROQUANT                              | 07011417             | TM6292MY09                                 |
| SPECTROQUANT                              | 4-2007-06223         | TM6292PH00                                 |
| SPECTROQUANT                              | 934633               | TM6292MX0901                               |
| SPECTROQUANT                              | 74/7463              | TM6292TW01                                 |
| SPECTROQUANT                              | 418523               | TM6292WO01                                 |
| SPECTROQUANT                              | 748128               | TM6292AU00                                 |
| SPECTROQUANT                              | M52172/9WZ           | TM6292DE02                                 |
| SPECTROQUANT                              | 014.358/M-75         | TM6292BR01                                 |
| SPECTROQUANT                              | 4661/75              | TM6292DK00                                 |
| SPECTROQUANT                              | 41472                | TM6292IL01                                 |
| SPECTROQUANT                              | 6328 (IR No. 418523) | TM6292KO01                                 |
| SPECTROQUANT                              | 75-4814              | TM6292SE00                                 |
| SPECTROQUANT                              | 75/6093              | TM6292ZA01                                 |
| SPECTROQUANT                              | 54,832               | TM6292US00                                 |
| SPECTROQUANT                              | 1040211              | TM6292GB00                                 |
| SPECTROQUANT                              | 3053/75              | TM6292IE00                                 |
| SPECTROQUANT                              | M39550/1WZ           | TM6292DE01                                 |
| SPECTROQUANT                              | D00.2014.040179      | TM6292ID00                                 |
| SPECTROQUANT (KATAKANA)                   | 2008 - 73 661        | TM4643JP00                                 |
| SPECTROQUANT (WITH TWO KATAKANA VERSIONS) | 129430/1975          | TM6292JP00                                 |
| SPECTROSOLV                               | M53201/1WZ           | TM6294DE00                                 |
| SPECTROSOLV                               | 2.251.745            | TM6294ES00                                 |
| SPILLSOLV                                 | 75/427,835           | TM1898US00                                 |
| SPUTOFLUOL                                | W13061/5WZ           | TM6304DE00                                 |
| SPUTOFLUOL                                | 2.251.742            | TM6304ES00                                 |
| SPUTOFLUOL                                | 2.251.743            | TM6304ES01                                 |
| STERIDILUTOR                              | 002295681            | TM9874EU00                                 |
| STERIDILUTOR                              | 2001115653           | TM9874CN09                                 |
| STERIDILUTOR                              | 2001-86248           | TM9874JP00                                 |
| STERIDILUTOR                              | 78/060256            | TM9874US00                                 |
| STERIKON                                  | 390155               | TM6307WO00                                 |
| STERIKON                                  | 2000132595           | TM6307CN05                                 |
| STERIKON                                  | 823775674            | TM6307BR01                                 |
| STERIKON                                  | 46909                | TM6307CO01                                 |

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| STERIKON      | 822906511            | TM6307BR05                                 |
| STERIKON      | 414414               | TM6307MX01                                 |
| STERIKON      | 75/932262            | TM6307US00                                 |
| STERIKON      | 843213               | TM6307AU00                                 |
| STERIKON      | 619136               | TM6307NZ00                                 |
| STERIKON      | M33683/5WZ           | TM6307DE00                                 |
| STERIKON      | 6325 (IR No. 390155) | TM6307KO05                                 |
| STERIKON      | 1072127              | TM6307CA00                                 |
| STERIKON      | 1012518              | TM6307CO05                                 |
| STERIKON      | 2000/03576           | TM6307ZA05                                 |
| STERISECURE   | 7483746              | TM9912CN11                                 |
| STERISECURE   | 7483747              | TM9912CN09                                 |
| STERISECURE   | 2382527              | TM9912IN09                                 |
| STERISOLUTEST | 002182723            | TM9917EU00                                 |
| STERISOLUTEST | 2001122094           | TM9917CN09                                 |
| STERISOLUTEST | 2001122095           | TM9917CN10                                 |
| STERISOLUTEST | 2001122096           | TM9917CN11                                 |
| STERISOLUTEST | 2001-63782           | TM9917JP00                                 |
| STERISOLUTEST | 78/039281            | TM9917US00                                 |
| STERITEST     | 002864874            | TM9656EU00                                 |
| STERITEST     | 6569146              | TM9656CN11                                 |
| STERITEST     | 6569147              | TM9656CN10                                 |
| STERITEST     | 6569148              | TM9656CN11A                                |
| STERITEST     | 1601959              | TM9656FR00                                 |
| SUPERSPHER    | 551,492              | TM6341CA00                                 |
| SUPERSPHER    | 3109/84              | TM6341DK00                                 |
| SUPERSPHER    | 1219818              | TM6341GB00                                 |
| SUPERSPHER    | 3394/84              | TM6341FI00                                 |
| SUPERSPHER    | M53475/1WZ           | TM6341DE00                                 |
| SUPERSPHER    | 841961               | TM6341NO00                                 |
| SUPERSPHER    | 84-4162              | TM6341SE00                                 |
| SUPERSPHER    | 485302               | TM6341WO00                                 |
| SUPERSPHER    | 6332 (IR No. 485302) | TM6341KO01                                 |
| SUPERSPHER    | 87327123             | TM6341US09                                 |
| SUPRAPUR      | 282562               | TM6356WO00                                 |
| SUPRAPUR      | 92 233968            | TM6356CO01                                 |
| SUPRAPUR      | M19971/1WZ           | TM6356DE00                                 |
| SUPRAPUR      | 1505256              | TM6356AR01                                 |
| SUPRAPUR      | 757653               | TM6356CL00                                 |
| SUPRAPUR      | 2552/63              | TM6356DK00                                 |
| SUPRAPUR      | 2228/63              | TM6356FI00                                 |
| SUPRAPUR      | 30357                | TM6356GR00                                 |
| SUPRAPUR      | 281770               | TM6356IN00                                 |
| SUPRAPUR      | 11903                | TM6356IQ00                                 |
| SUPRAPUR      | 32970                | TM6356IR00                                 |
| SUPRAPUR      | 1115389              | TM6356JP00                                 |
| SUPRAPUR      | 1157796              | TM6356JP01                                 |
| SUPRAPUR      | 68410                | TM6356MX01                                 |
| SUPRAPUR      | 79965                | TM6356NO00                                 |
| SUPRAPUR      | 13719                | TM6356PE01                                 |
| SUPRAPUR      | 73387                | TM6356RU00                                 |
| SUPRAPUR      | 352,650              | TM6356US00                                 |
| SUPRAPUR      | 1611                 | TM6356TR00                                 |
| SUPRAPUR      | 427900               | TM6356CA00                                 |
| SUPRAPUR      | 1408705              | TM6356GB00                                 |
| SUPRAPUR      | 6330 (IR No. 282562) | TM6356KO01                                 |
| SUPRASOLV     | 643492               | TM6359WO00                                 |
| SUPRASOLV     | 2147747              | TM6359AR01                                 |
| SUPRASOLV     | 98019652             | TM6359CO01                                 |
| SUPRASOLV     | 328678               | TM6359MX01                                 |
| SUPRASOLV     | M78571/1WZ           | TM6359DE00                                 |
| SUPRASOLV     | 4799-98              | TM6359VE01                                 |
| SUPRASOLV     | 820642479            | TM6359BR01                                 |
| SUPRASOLV     | 409160               | TM6359CL00                                 |
| SUPRASOLV     | 1505914              | TM6359CA00                                 |
| SUPRASOLV     | 85169213             | TM6359US00                                 |

| Trademark            | Application number   | Case number according to internal database |
|----------------------|----------------------|--------------------------------------------|
| SUPRASOLV            | 2030824              | TM6359GB00                                 |
| SUPRASOLV (KATAKANA) | 2006-45 144          | TM3765JP00                                 |
| TENTAKELGELE         | 395 44 556.6         | TM6406DE00                                 |
| TENTAKELMEMBRAN      | 395 44 553.1         | TM6407DE00                                 |
| TENTAKELTRAEGER      | 395 44 555.8         | TM6408DE00                                 |
| TISSUGNOST (KATA)    | 38833/1986           | TM6467JP00                                 |
| TITRIPAC             | 818539               | TM6469WO00                                 |
| TITRIPAC             | 003534311            | TM6469EU00                                 |
| TITRIPAC             | M54381/1WZ           | TM6469DE00                                 |
| TITRIPAC             | 1250018              | TM6469IN00                                 |
| TITRIPAC             | D00-2003-32821-33148 | TM6469ID01                                 |
| TITRIPAC             | D00-2003-32820-33147 | TM6469ID21                                 |
| TITRIPAC             | 92065824             | TM6469TW00                                 |
| TITRIPAC             | 537979               | TM6469TH20                                 |
| TITRIPAC             | 537978               | TM6469TH01                                 |
| TITRIPAC             | 92070403             | TM6469TW01                                 |
| TITRIPAC             | 3.029.563            | TM6469AR01                                 |
| TITRIPAC             | 3.029.565            | TM6469AR20                                 |
| TITRIPAC             | 830759824            | TM6469BR01                                 |
| TITRIPAC             | 830759816            | TM6469BR20                                 |
| TITRIPAC             | 920412               | TM6469CL00                                 |
| TITRIPAC             | 10 111670            | TM6469CO01                                 |
| TITRIPAC             | 10 111672            | TM6469CO20                                 |
| TITRIPAC             | 1118981              | TM6469MX01                                 |
| TITRIPAC             | 1120211              | TM6469MX20                                 |
| TITRIPAC             | 432030               | TM6469PE00                                 |
| TITRIPAC             | 2010/20086           | TM6469ZA01                                 |
| TITRIPAC             | 2010/20087           | TM6469ZA20                                 |
| TITRIPAC             | 232623               | TM6469IL00                                 |
| TITRIPAC             | 2010017082           | TM6469MY01                                 |
| TITRIPAC             | 2010017079           | TM6469MY20                                 |
| TITRIPAC             | 830206               | TM6469NZ00                                 |
| TITRIPAC             | 85/297,586           | TM6469US00                                 |
| TITRIPAC             | 2251.736             | TM6469ES00                                 |
| TITRIPAC             | 2.251.739            | TM6469ES01                                 |
| TITRIPAC (KATAKANA)  | 2006-48 652          | TM3764JP00                                 |
| TITRIPLEX            | 395478               | TM6470WO00                                 |
| TITRIPLEX            | 003336831            | TM6470EU00                                 |
| TITRIPLEX            | 812 044 533          | TM6470BR01                                 |
| TITRIPLEX            | 834.642              | TM6470ES00                                 |
| TITRIPLEX            | M4953/1WZ            | TM6470DE00                                 |
| TITRIPLEX            | 424,802              | TM6470US00                                 |
| TITRIPLEX            | 177157               | TM6470UY00                                 |
| TITRIPLEX            | 778                  | TM6470EC01                                 |
| TITRIPLEX            | 6329 (IR No. 395478) | TM6470KO01                                 |
| TITRIPLEX            | 772312               | TM6470GB00                                 |
| TITRIPLEX            | 56938                | TM6470IR00                                 |
| TITRIPLEX            | 1096585              | TM6470JP00                                 |
| TITRIPLEX (KATA)     | 1096586              | TM7573JP00                                 |
| TITRIPUR             | 854 879              | TM1790WO00                                 |
| TITRIPUR             | 581254               | TM1790TH09                                 |
| TITRIPUR             | 304 43 598.8         | TM1790DE00                                 |
| TITRIPUR             | 94005271             | TM1790TW00                                 |
| TITRIPUR             | 581245               | TM1790TH01                                 |
| TITRIPUR             | 1522754              | TM1790CA01                                 |
| TITRIPUR             | 2.569.593            | TM1790AR01                                 |
| TITRIPUR             | 827160810            | TM1790BR01                                 |
| TITRIPUR             | 675.354              | TM1790CL00                                 |
| TITRIPUR             | 0501198              | TM1790CO01                                 |
| TITRIPUR             | 700569               | TM1790MX01                                 |
| TITRIPUR             | 2005-001763          | TM1790VE01                                 |
| TITRIPUR             | 724691               | TM1790NZ00                                 |
| TITRIPUR             | 2005/02069           | TM1790ZA01                                 |

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| Trademark           | Application number   | Case number according to internal database |
|---------------------|----------------------|--------------------------------------------|
| TITRIPUR            | 1335995              | TM1790IN00                                 |
| TITRIPUR            | 300365409            | TM1790HK00                                 |
| TITRIPUR            | D00-2005-05957.06015 | TM1790ID01                                 |
| TITRIPUR            | 178126               | TM1790IL01                                 |
| TITRIPUR            | 05001565             | TM1790MY01                                 |
| TITRISOL            | 003337037            | TM6471EU00                                 |
| TITRISOL            | 152874               | TM6471WO00                                 |
| TITRISOL            | 06010679             | TM6471CO01                                 |
| TITRISOL            | 367                  | TM6471MG00                                 |
| TITRISOL            | M59668/1WZ           | TM6471DE00                                 |
| TITRISOL            | 190252               | TM6471PE01                                 |
| TITRISOL            | 72/6362              | TM6471ZA01                                 |
| TITRISOL            | 73388                | TM6471RU00                                 |
| TITRISOL            | 2094/79              | TM6471DK00                                 |
| TITRISOL            | 79-2755              | TM6471SE00                                 |
| TITRISOL            | 1285/79              | TM6471IE00                                 |
| TITRISOL            | 2011/08690           | TM6471TR00                                 |
| TITRISOL            | 85/425,046           | TM6471US01                                 |
| TITRISOL            | 6324 (IR No. 152874) | TM6471KO00                                 |
| TITRISOL            | EE.91.0260           | TM6471TN00                                 |
| TITRISOL            | 1114698              | TM6471GB00                                 |
| TITRISOL            | 421                  | TM6471EC01                                 |
| TITRISOL            | 39432/M-78           | TM6471BR01                                 |
| TITRISOL            | 5424                 | TM6471OA00                                 |
| TITRISOL            | 754829               | TM6471AR01                                 |
| TITRISOL            | 266113               | TM6471AU00                                 |
| TITRISOL            | 56943                | TM6471IR00                                 |
| TITRISOL            | 51440/71             | TM6471JP00                                 |
| TITRISOL            | 68416                | TM6471MX01                                 |
| TITRISOL (KATAKANA) | 51441/71             | TM1936JP00                                 |
| TITRISTAR           | 73/717,035           | TM6472US00                                 |
| TRACEPUR            | 84011378             | TM6499TW00                                 |
| TRACEPUR            | 227012               | TM6499MX01                                 |
| TRACEPUR            | 818397772            | TM6499BR01                                 |
| TRACEPUR            | 300422               | TM6499CL00                                 |
| TRACEPUR            | 689,883              | TM6499US00                                 |
| TRACEPUR            | M78821/1WZ           | TM6499DE00                                 |
| TRACEPUR            | 640696               | TM6499WO00                                 |
| TRACEPUR            | 74-118,593           | TM6499US01                                 |
| TRACEPUR            | M51981/1WZ           | TM6499DE01                                 |
| TRANSIA             | 492967               | TM26250EU00                                |
| TURBIQUANT          | 716112               | TM6561WO00                                 |
| TURBIQUANT          | 821809075            | TM6561BR09                                 |
| TURBIQUANT          | 2231463              | TM6561AR09                                 |
| TURBIQUANT          | 394803               | TM6561TH09                                 |
| TURBIQUANT          | 802541               | TM6561AU00                                 |
| TURBIQUANT          | 88038281             | TM6561TW00                                 |
| TURBIQUANT          | 398 28 747.3         | TM6561DE00                                 |
| TURBIQUANT          | 377758               | TM6561MX09                                 |
| TURBIQUANT          | 449552               | TM6561CL00                                 |
| TURBIQUANT          | 99034810             | TM6561CO09                                 |
| ULTRAPUR MERCK-LOGO | 564161               | TM6586WO00                                 |
| ULTRAPUR MERCK-LOGO | 92-00052             | TM6586SE00                                 |
| ULTRAPUR MERCK-LOGO | M66434/1WZ           | TM6586DE00                                 |
| ULTRAPUR MERCK-LOGO | 6323                 | TM6586KO00                                 |
| ULTRAPUR MERCK-LOGO | Z-106158             | TM6586PL00                                 |
| UNISOLV             | 643170               | TM6592WO00                                 |
| UNISOLV             | M77391/1WZ           | TM6592DE00                                 |
| UNISOLV             | 2140207              | TM6592AR01                                 |
| UNISOLV             | 98019647             | TM6592CO01                                 |

| Trademark          | Application number   | Case number according to internal database |
|--------------------|----------------------|--------------------------------------------|
| UNISOLV            | 328.677              | TM6592MX01                                 |
| UNISOLV            | 409159               | TM6592CL00                                 |
| UNISOLV            | 830631160            | TM6592BR00                                 |
| UNISOLV            | 2030823              | TM6592GB00                                 |
| UNISOLV (KATAKANA) | 2006-45 146          | TM3762JP00                                 |
| UROTEST            | L41263/5WZ           | TM6606DE01                                 |
| UVASOL             | 245473               | TM6607WO00                                 |
| UVASOL             | 200966               | TM6607CO01                                 |
| UVASOL             | 3146-81              | TM6607VE01                                 |
| UVASOL             | M16260/1WZ           | TM6607DE00                                 |
| UVASOL             | 947352               | TM6607AR01                                 |
| UVASOL             | 285599               | TM6607IN00                                 |
| UVASOL             | 56939                | TM6607IR00                                 |
| UVASOL             | 51444/71             | TM6607JP00                                 |
| UVASOL             | 73/0269              | TM6607ZA01                                 |
| UVASOL             | 73385                | TM6607RU00                                 |
| UVASOL             | 6961/M - 73          | TM6607BR01                                 |
| UVASOL             | 81-1562              | TM6607SE00                                 |
| UVASOL             | 1220/81              | TM6607DK00                                 |
| UVASOL             | 87116                | TM6607CL00                                 |
| UVASOL             | 810811               | TM6607NO00                                 |
| UVASOL             | 1247/81              | TM6607FI00                                 |
| UVASOL             | 1505912              | TM6607CA00                                 |
| UVASOL             | 73552                | TM6607PR00                                 |
| UVASOL             | 6322 (IR No. 245473) | TM6607KO01                                 |
| UVASOL             | 85169180             | TM6607US01                                 |
| UVASOL (KATA)      | 51445/71             | TM6608JP01                                 |
| UVASOL (KATA)      | 23196/92             | TM6608JP00                                 |
| VIP                | 176214               | TM26249EU00                                |
| VIP                | 74534638             | TM26249US00                                |
| ZIC                | 979 498              | TM4491WO00                                 |
| ZIC                | 3736386              | TM4491EU09                                 |
| ZIC                | 30 2008 014 367.3    | TM4491DE00                                 |
| ZIC                | 08 092373            | TM4491CO01                                 |
| ZIC                | 08 092374            | TM4491CO09                                 |
| ZIC                | 829948945            | TM4491BR01                                 |
| ZIC                | 829948953            | TM4491BR09                                 |
| ZIC                | 959363               | TM4491MX01                                 |
| ZIC                | 959366               | TM4491MX09                                 |
| ZIC                | 365764               | TM4491PE01                                 |
| ZIC                | 2008-017334          | TM4491VE01                                 |
| ZIC                | 2008-017322          | TM4491VE09                                 |
| ZIC                | 1727963              | TM4491IN00                                 |
| ZIC                | D00-2008-032469      | TM4491ID01                                 |
| ZIC                | 214651               | TM4491IL01                                 |
| ZIC                | 214652               | TM4491IL09                                 |
| ZIC                | 08017473             | TM4491MY01                                 |
| ZIC                | 08017472             | TM4491MY09                                 |
| ZIC                | 097041184            | TM4491TW00                                 |
| ZIC                | 706790               | TM4491TH01                                 |
| ZIC                | 706791               | TM4491TH09                                 |
| ZIC                | 2008/20655           | TM4491ZA01                                 |
| ZIC                | 2008/20656           | TM4491ZA09                                 |
| ZIC                | 2.853.451            | TM4491AR01                                 |
| ZIC                | 2.853.452            | TM4491AR09                                 |
| ZIC                | 77561569             | TM4491US00                                 |
| ZIC                | 78194747             | TM4491US01                                 |
| ZIC                | 2000/08261           | TM4491SE00                                 |
| ZIC                | 835.933              | TM4491CL00                                 |
| ZIC (KATAKANA)     | 2008 - 75 671        | TM4699JP00                                 |
| ZIC-HILIC          | 229418               | TM9100IL01                                 |

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## II. Domains

|                                   |                             |                                 |                                        |
|-----------------------------------|-----------------------------|---------------------------------|----------------------------------------|
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| millipore-emd.us                  | reflectoquant.com           | merckmillipore.be               | metafolin.cl                           |
| milliporeemd.us                   | emquant.com                 | merckbioscience.ch              | apura.ru                               |
| millipore.us                      | lichrosolv.info             | merck-bioscience.ch             | hy-lite.ru                             |
| oxynex.us                         | seccosolv.info              | merckbiosciences.ch             | hy-rise.ru                             |
| buffers.de                        | cellasic.com                | novabiochem.ch                  | oxynex.ru                              |
| chemdat.de                        | titripac.info               | merck-chemicals.ch              | prepsolv.ru                            |
| fractogel.de                      | prepsolv.info               | eprova.ch                       | rqflex.ru                              |
| fractoprep.de                     | emdmicrobiologicals.com     | eprovadrugdelivery.ch           | suprasolv.ru                           |
| oligoprep.de                      | emdmicrobiology.com         | gmpdrugdelivery.ch              | unisolv.ru                             |
| retrologistics.de                 | emdmicro.com                | drugdelivery.ch                 | fractogel.ru                           |
| retrologistik.de                  | emdmilliporeflyers.com      | metafolin.ch                    | novagen.ru                             |
| safedat.de                        | titripur.com                | millipore.ch                    | calbiochem.ru                          |
| solgel.de                         | titripur.info               | merckmillipore.ch               | novabiochem.ru                         |
| oxynex.de                         | nanojuice.info              | novaseptic.ch                   | lichrosolv.ru                          |
| proteinase-k.de                   | insectdirect.info           | millipore.com.cn                | lichrolut.ru                           |
| eprofolin.de                      | findyourenzyme.com          | millipore.cn                    | lichrospher.ru                         |
| metafolin.de                      | emdcares.com                | retrologistics.biz              | metafolin.ru                           |
| merckchimie.de                    | virologysolutions.com       | safedat.biz                     | merck-chemicals.ru                     |
| titripur.de                       | merckchemical.com           | emd4life.biz                    | millipore.hk                           |
| modufolin.de                      | em-power2create.com         | chemdat.biz                     | mecomm.cz                              |
| mypronet.de                       | lucratone.com               | virtual-lab.biz                 | merck-chemicals.cz                     |
| prolytix.de                       | sol-gel.info                | metafolin.biz                   | mobilnialanalytika.cz                  |
| omnipur.de                        | millipore.net               | millipore-emd.biz               | metafolin.cz                           |
| pro-treat.de                      | emd4life.info               | milliporeemd.biz                | metafolin.ie                           |
| protreat.de                       | wwwemdchemicals.com         | gmpdrugdelivery.biz             | merck-chemicals.ie                     |
| merck-chemicals.de                | folate.info                 | eprovadrugdelivery.biz          | millipore.ae                           |
| nanojuice.de                      | metafolin.info              | millipore.fr                    | merckmillipore.si                      |
| ifold.de                          | mikroskopie-produkte.com    | merck-chemie.nl                 | merck-chemicals.gr                     |
| insectdirect.de                   | microscopy-products.com     | merck-chemicals.nl              | metafolin.gr                           |
| cnbi.de                           | apura.info                  | millipore.nl                    | merckmillipore.gr                      |
| calbiochem-novabiochem.de         | purification.info           | metafolin.nl                    | merck-chemicals.pl                     |
| pybop.de                          | packingstand.info           | xn--fllstoffe-q9a.ch            | chromatografia.pl                      |
| pybrop.de                         | safedat.info                | findyourantibody.co.uk          | tarczyca.pl                            |
| novatag.de                        | reagents.info               | merck-chemicals.co.uk           | merck-chemicals.com.pt                 |
| mercksequent.de                   | prepchromatography.info     | merck4food.co.uk                | metafolin.pt                           |
| pansorbin.de                      | proteinpurification.info    | merck4pharma.co.uk              | millipore.com.pt                       |
| gmpdrugdelivery.de                | traceanalysis.info          | metafolin.co.uk                 | millipore.pt                           |
| eprovadrugdelivery.de             | calbiochem.com              | millipore.co.uk                 | merckmillipore.com.pt                  |
| merck4pharma.de                   | chromatography-products.com | novaseptic.co.uk                | merck4biosciences.com.pt               |
| emprove.de                        | start-your-mission.com      | xn--fllstoffe-q9a.at            | merck4bio.jp                           |
| millipore-emd.de                  | mypharmascout.com           | merck-chemicals.at              | merck4biosciences.jp                   |
| milliporeemd.de                   | my-pharma-scout.com         | merck-chemie.at                 | merck4pharma.jp                        |
| eshmuno.de                        | my-fnb-scout.com            | metafolin.at                    | merck4food.jp                          |
| ras-bestimmung.de                 | myfnbscout.com              | merck-chemicals.se              | merck-chemicals.jp                     |
| plusalliance.de                   | amnisystems.com             | mercksequent.se                 | emdchemicalsusholdings.com             |
| cellvento.de                      | amnisinc.com                | millipore.se                    | accelbiosolutions.com                  |
| scideex.de                        | zic.eu                      | merckmillipore.se               | specialtychemicalssolutions.com        |
| novaseptic.de                     | sequent.eu                  | metafolin.pl                    | chromatalk.com                         |
| millipore.de                      | heipha.com                  | merckmillipore.pl               | celliancecorp.com                      |
| heipha.de                         | mperformancematerials.com   | merck-chemicals.it              | cellianceinc.com                       |
| milipore.de                       | mmilliporesigma.com         | metafolin.it                    | celliancebio.com                       |
| ras-registry.de                   | mmillipore-sigma.com        | millipore.it                    | cellianceco.com                        |
| milli-q.com                       | sparklifescience.net        | novaseptic.it                   | ex-cyte.com                            |
| mymilliporedistributorseurope.com | merck-chemicals.eu          | metafolin.es                    | pharmprep.com                          |
| fractogel.com                     | merck-chemie.eu             | merck-chemicals.in              | mymilliporeflyers.com                  |
| cleaningcontrol.com               | fuellstoffe.eu              | millipore.co.in                 | histoneacetylation.com                 |
| chromcircle.com                   | insectdirect.eu             | merckchemicals.in               | histonephosphorylation.com             |
| fractoprep.com                    | nanojuice.eu                | millipore.in                    | emdfourpharma.com                      |
| lichrosolv.com                    | drisolv.com                 | new-emprove.com                 | merckfourpharma.com                    |
| skywing-clavrus.com               | colorphast.com              | m-connectedlab.com              | emdforpharma.com                       |
| emdmillflyer.com                  | kelmate.com                 | milliporesigmaconnectedlab.com  | merckforpharma.com                     |
| proteinase-k.com                  | omnisolvents.com            | merckconnectedlab.com           | ez-paks.com                            |
| ubiconsult.com                    | omnitraceacids.com          | milliporesigma-connectedlab.com | chemicallydefinedcellculturemedias.com |
| lifesciencescafe.com              | midasstainer.com            | merck-elab.com                  | cellianceintl.com                      |
| proteoplex.com                    | omnitraceultra.com          | millipore.co.il                 | waste-disposal-advice.com              |
| proteoextract.com                 | sicapent.com                | merck-chemicals.tw              | your-contacts.com                      |
| emdmillipore-analytics-game.com   | spectromelt.com             | merck-chemicals.com.tw          | oxynex.com                             |
| emdbiosciences.com                | sicacide.com                | metafolin.tw                    | cellvento.com                          |
| oxynex.info                       | spillsolv.com               | millipore.tw                    | pybrop.com                             |
| chemdat.info                      | plusalliance.eu             | smartsystem.com.tw              | ampliflour.com                         |
| lincoresearch.com                 | merck-chemicals.be          | waterline.com.tw                | q-paks.com                             |
| metafolin.com                     | metafolin.be                | millipore.com.tw                |                                        |

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| labpurewater.com         | formulation-app.com              | biopak.adult             | q-pod.porn                   |
| lab-water-systems.com    | internal-emd-formulation-app.com | chromocult.adult         | quantum.porn                 |
| labwatersystems.com      | emd-formulation-app.com          | di-pak.adult             | rios-di.porn                 |
| intergenco.com           | assayarchitect.com               | direct-q.adult           | ropak.porn                   |
| millipore-water.com      | disposal-test-kits.com           | duopath.adult            | simplipak.porn               |
| qa-test-kits.com         | service-test-kits.com            | hy-lite.adult            | singlepath.porn              |
| merck4biotech.com        | rhearg.com                       | hy-rise.adult            | steritest.porn               |
| merck4biopharm.com       | guavatechnologies.com            | milli-di.adult           | super-q.porn                 |
| apoptosis.com            | merck4technicalindustry.com      | milliflex.adult          | synergypak.porn              |
| licricode.com            | emdchemical.com                  | millipore.adult          | microfil.porn                |
| licricrypt.com           | emdfourfood.com                  | milli-q.adult            | milli-rx.porn                |
| amnis.com                | emdforfood.com                   | progard.adult            | millitrack.porn              |
| suprasolv.info           | merck4food.com                   | pyrogard.adult           | novantrone.porn              |
| emprove.info             | merck4pharma.com                 | q-gard.adult             | q-pak.porn                   |
| novatag.info             | merck4science.com                | qpak.adult               | rios.porn                    |
| pybop.info               | merck4water.com                  | q-pod.adult              | millipore.sex                |
| pybrop.info              | merck4education.com              | quantum.adult            | millipore.com.ve             |
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| P 14/141             | 10-2017-7005305; 15/329,620; 15734576.0; 2,956,538; 2015295846; 201580040684.0; 201737006588; 2017-505122; 250134; BR112017001732-6; P-00201700766                                                     |
| P 14/142             | 10-2017-7005595; 15/500,245; 15735852.4; 2,956,540; 2015295847; 201580040500.0; 201737006725; 2017-505175; 250136; BR112017001749-0; P-00201700765                                                     |
| P 14/161             | 15/503,641; 15741121.6; 201580043390.3; 201737008406; 2017-508062                                                                                                                                      |
| P 14/163             | 10-2015-0113871; 10201506432T; 14/821,886; 15002179.8; 2,900,249; 201510498671.X; 2015-160062; 880/KOL/2015                                                                                            |
| P 14/199             | 10-2017-7013156; 11201703101X; 15/519,657; 15770807.4; 2,964,645; 201580056259.0; 201737016923; 2017-520890                                                                                            |
| P 14/209             | 10-2017-7015347; 11201703672Q; 15/524,824; 15784570.2; 2,966,764; 201580060422.0; 201737019222; 2017-524356                                                                                            |
| P 14/212             | 10-2017-7014681; 11201701965V; 15/511,908; 15790411.1; 2,964,119; 201580059731.6; 201717019328; 2017-521137                                                                                            |
| P 14/248             | 15/534,533; 15797849.5                                                                                                                                                                                 |
| P 14/249             | 15/534,230; 15797848.7                                                                                                                                                                                 |
| P 14/266             | 15/536,694; 15801673.3; 2017-531890                                                                                                                                                                    |
| P 14/270             | 15/536,679; 15797603.6; 201580068765.1; 201737025226; 2017-532774                                                                                                                                      |
| P 15/003             | 15817080.3; 201580073979.8; 2017-555828                                                                                                                                                                |
| P 15/081             | 15/575,540; 16723247.9; 2017-560668                                                                                                                                                                    |
| P 15/087             | 15/577,662; 16723246.1                                                                                                                                                                                 |
| P 15/088             | 15/577,376; 16724283.3                                                                                                                                                                                 |
| P 15/140             | PCT/EP2016/001118                                                                                                                                                                                      |
| P 15/146             | PCT/EP2016/001177                                                                                                                                                                                      |
| P 15/176             | 10-2016-0109955; 10201606475S; 15/226,419; 16187836.8; 2,938,549; 201610811535.6; 201614029504; 2016-157259; 2016219566                                                                                |
| P 15/177             | 10-2016-0109957; 10201606483U; 15/226,441; 16187837.6; 2,938,545; 201610811533.7; 201614029540; 2016-157434; 2016219568                                                                                |
| P 15/178             | 10-2016-0109961; 10201606493X; 15/226,461; 16187838.4; 2,938,544; 201610811550.0; 201614029561; 2016-157214; 2016219569                                                                                |
| P 15/185             | PCT/EP2016/001430                                                                                                                                                                                      |
| P 15/186             | PCT/EP2016/001431                                                                                                                                                                                      |
| P 15/187             | PCT/EP2016/001463                                                                                                                                                                                      |
| P 15/192             | 102016001494.6; PCT/EP2016/001557                                                                                                                                                                      |
| P 15/193             | 102015012194.4; PCT/EP2016/001509                                                                                                                                                                      |
| P 15/211             | PCT/EP2016/001804                                                                                                                                                                                      |
| P 15/212             | PCT/EP2016/001803                                                                                                                                                                                      |
| P 15/234             | PCT/EP2016/001802                                                                                                                                                                                      |
| P 15/239             | PCT/EP2016/001848                                                                                                                                                                                      |
| P 16/023             | PCT/EP2017/000078                                                                                                                                                                                      |
| P 16/038             | PCT/EP2017/000238                                                                                                                                                                                      |
| P 16/066             | PCT/EP2017/059691                                                                                                                                                                                      |
| P 16/074             | PCT/EP2017/061130                                                                                                                                                                                      |
| P 16/075             | PCT/EP2017/061127                                                                                                                                                                                      |
| P 16/076             | PCT/EP2017/061126                                                                                                                                                                                      |
| P 16/140             | PCT/EP2017/068727                                                                                                                                                                                      |
| P 16/186             | PCT/EP2017/073384                                                                                                                                                                                      |
| P 16/227             | P170103081; PCT/EP2017/078267                                                                                                                                                                          |
| P 16/228             | P170103080; PCT/EP2017/078268                                                                                                                                                                          |
| P 16/229             | P170103082; PCT/EP2017/077954                                                                                                                                                                          |
| P 16/231             | PCT/EP2017/078261                                                                                                                                                                                      |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Internal case number | Application numbers competent patent authorities                     |
|----------------------|----------------------------------------------------------------------|
| P 16/275             | PCT/EP2017/082122                                                    |
| P 17/225             | 17192039.0                                                           |
| P 17/266             | 17198564.1                                                           |
| P 98/013             | 09/831,162; 15919/00; 2,349,948; 2000-580718; 90/009,072; 99958580.5 |
| I 13/026             | [not yet available]                                                  |
| I 14/263             | [not yet available]                                                  |
| I 15/102             | [not yet available]                                                  |
| I 15/169             | [not yet available]                                                  |
| I 15/203             | [not yet available]                                                  |
| I 15/320             | [not yet available]                                                  |
| I 16/003             | [not yet available]                                                  |
| I 16/011             | [not yet available]                                                  |
| I 16/042             | [not yet available]                                                  |
| I 16/081             | [not yet available]                                                  |
| I 16/113             | [not yet available]                                                  |
| I 16/114             | [not yet available]                                                  |
| I 16/206             | [not yet available]                                                  |
| I 16/280             | [not yet available]                                                  |
| I 17/010             | [not yet available]                                                  |
| I 17/039             | [not yet available]                                                  |
| I 17/080             | [not yet available]                                                  |
| I 17/089             | [not yet available]                                                  |
| I 17/103             | [not yet available]                                                  |
| I 17/110             | [not yet available]                                                  |
| I 17/132             | [not yet available]                                                  |
| I 17/144             | [not yet available]                                                  |
| I 17/152             | [not yet available]                                                  |
| I 17/159             | [not yet available]                                                  |
| I 17/179             | [not yet available]                                                  |
| I 17/186             | [not yet available]                                                  |
| I 17/192             | [not yet available]                                                  |
| I 17/205             | [not yet available]                                                  |
| I 17/245             | [not yet available]                                                  |
| I 17/246             | [not yet available]                                                  |
| I 17/256             | [not yet available]                                                  |
| I 17/266             | [not yet available]                                                  |
| I 17/268             | [not yet available]                                                  |
| I 17/281             | [not yet available]                                                  |
| I 17/287             | [not yet available]                                                  |
| I 17/292             | [not yet available]                                                  |
| I 17/305             | [not yet available]                                                  |
| I 17/309             | [not yet available]                                                  |

### **Annex 16.2.b**

Intangible Assets Life Science recognized in the balance sheet

## Intangible Assets Life Science recognized in the balance sheet

**Asset number according to accounting**

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| 1054525 | 1037443 | 1083614 | 1037485 | 1054524 | 1044197 | 1043978 |
| 1037482 | 1084886 | 1054523 | 789411  | 1037483 | 1043227 | 1079604 |

### **Annex 16.3.b**

Content of the Trust Agreement with regard to Registered Property  
Rights pursuant to § 16.3.b of the Hive-down and Transfer Agreement  
between KGaA and LS OpCo

**Content of the Trust Agreement  
with regard to Registered Property Rights pursuant to Section 16.3.b of the  
Hive-down and Transfer Agreement between  
KGaA and LS OpCo**

**§ 1 Trust Agreement**

- 1.1 By way of a trust agreement, KGaA undertakes to hold the Registered Property Rights in trust for LS OpCo and solely in LS OpCo's interest. In particular, KGaA shall not have the right to transfer, assign, encumber, pledge or abandon the Registered Property Rights or grant licenses to them without the prior consent of LS OpCo.
- 1.2 LS OpCo shall have the right to extend the trust relationship established as per this Trust Agreement to additional trademarks, patents, domains, or other registered property rights (or respective applications) at any time by so instructing KGaA. In particular, LS OpCo may instruct KGaA to register additional property rights under this Trust Agreement in LS OpCo's interest. All such additional property rights (or respective applications) shall be regarded as Registered Property Rights within the meaning of this Trust Agreement from the time the order is issued by LS OpCo. Once a year, the Parties shall update the list of Registered Property Rights accordingly as set forth in Annex 16.2 of the Hive-down Agreement.
- 1.3 The Parties agree that, during the term of the fiduciary administration, KGaA shall have the same economic rights with respect to the Registered Property Rights as the legal owner, and that the fiduciary administration shall not result in KGaA being the beneficial owner of the Registered Property Rights, whether in whole or in part.
- 1.4 The provisions of this Trust Agreement shall have no impact on licenses granted to third parties under the Registered Property Rights and the related rights and obligations of such third parties or LS OpCo. If licenses under the Registered Property Rights are required to be submitted to national or other authorities, KGaA shall undertake to submit them under this Trust Agreement.

**§ 2 Rights and Obligations of KGaA**

- 2.1 KGaA shall be obligated to carry out all instructions issued by LS OpCo in connection with the Registered Property Rights. KGaA shall be obligated to perform all duties arising from this Trust Agreement with utmost diligence.
- 2.2 KGaA shall be obligated to register, prosecute, maintain, and monitor the Registered Property Rights in all countries determined by LS OpCo. This shall, in particular, include KGaA's duty to monitor deadlines, pay due fees in time and submit registrations, applications, and other communications to the respective

registry authorities in a timely fashion. When doing so, KGaA shall act in LS OpCo's best interest at all times and operate in such a manner that the business operations of LS OpCo are protected in an economically viable way. Should KGaA be in doubt whether a certain registration, prosecution or maintenance action is in LS OpCo's interest, it shall ask LS OpCo to give respective instructions.

- 2.3 KGaA shall only be obligated and entitled to assert the Registered Property Rights against current or potential infringers if LS OpCo has issued an explicit order. Such explicit order can also be given in generalized form. If KGaA receives such order, it shall assert the Registered Property Rights in LS OpCo's best interest and in accordance with the latter's instructions, while keeping LS OpCo informed of all key aspects of the proceedings. KGaA shall approach LS OpCo if it considers a certain action useful with regard to asserting the Registered Property Rights, provide reasons for its assessment and request respective instructions from LS OpCo.
- 2.4 As between KGaA and LS OpCo, LS OpCo shall be entitled to all payments that KGaA receives in connection with its activities under this Trust Agreement, including all license fees or compensation payments for damages paid by third parties.
- 2.5 KGaA shall be permitted to engage a trustee with the performance of its obligations under this Trust Agreement, such as Merck Patent GmbH, Darmstadt, Germany, an affiliated company of KGaA.

### **§ 3 Rights and Obligations of LS OpCo**

- 3.1 Subject to any third-party rights arising from any license agreements, LS OpCo shall have the exclusive right to use and exploit the Registered Property Rights in any way. This includes LS OpCo's right to assign such rights to any third parties or have them exercised by any third parties (including the right to grant licenses).
- 3.2 LS OpCo shall have the right to give instructions with regard to the Registered Property Rights to KGaA at any time.
- 3.3 LS OpCo shall be obligated to assist KGaA with the registration, prosecution, maintenance, monitoring and assertion of Registered Property Rights, in particular, if so requested by KGaA, by (a) submitting all declarations required for registration, prosecution, maintenance, and assertion of the Registered Property Rights in the respective jurisdiction and by (b) providing KGaA with all documents and information useful for registration, prosecution, maintenance and assertion of the Registered Property Rights.
- 3.4 LS OpCo shall be entitled to demand at any time that KGaA suspends any and all activities in relation to one or more Registered Property Rights and to take over the registration, prosecution, maintenance and assertion of particular Registered Property Rights from KGaA.



#### **§ 4 Costs and Accounting**

- 4.1 All costs and expenses incurred by KGaA in connection with its obligations under this Trust Agreement shall be borne by LS OpCo. KGaA shall invoice LS OpCo for all costs incurred as a result of performing its obligations under this Trust Agreement on a monthly basis. This shall, in particular, include official fees, legal fees, and in-house costs of KGaA. To the extent applicable, VAT shall be added to the reported amount and reimbursed to KGaA.
- 4.2 Within 60 days of receipt of an invoice, LS OpCo must transfer the substantiated and invoiced amount pursuant to Section 4.1 in euros to a bank account specified by KGaA.
- 4.3 For clarity, the Parties hereby agree that LS OpCo shall be solely responsible for paying compensation for employee inventions that result from applicable laws or the application of the Award Plan for Inventions (MAPI) of KGaA. If desired by LS OpCo, however, KGaA shall claim an employee invention on LS OpCo's behalf, prepare standard contracts with the employee inventors and calculate the respective remunerations or shall commission a third party to perform such activities.

#### **§ 5 Term and Termination**

- 5.1 This Trust Agreement shall take effect upon the hive-down being registered in the Commercial Register with retroactive economic effect from midnight on January 1, 2018 and is entered into for an indefinite period of time.
- 5.2 LS OpCo may terminate this Trust Agreement for convenience at any time upon giving 6 months' notice at the end of each calendar month. KGaA may terminate this Trust Agreement for convenience at any time upon giving 6 months' notice at the end of each calendar month.
- 5.3 The right of both Parties to terminate this Trust Agreement for due cause shall remain unaffected.
- 5.4 Upon termination of this Trust Agreement, all rights of the Parties under this Trust Agreement shall terminate, unless otherwise expressly specified herein. Upon such termination becoming effective, legal ownership of the Registered Property Rights shall be transferred from KGaA to LS OpCo. KGaA hereby agrees to such transfer. LS OpCo shall be responsible for the registration of such transfer of ownership in the Registered Property Rights in the respective registers at its own expense.

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#### **Annex 16.4**

Content of the License Agreement with respect to the Licensed Property Rights Life Science and the Licensed Rights Of Use Life Science pursuant to § 16.4 of the Hive-down and Transfer Agreement as well as the licensed know-how pursuant to § 17.2 of the Hive-down and Transfer Agreement between KGaA and LS OpCo

**Content of the License Agreement  
with respect to the Licensed Property Rights Life Science and the Licensed  
Rights of Use Life Science pursuant to Section 16.4  
of the Hive-down Agreement, as well as the licensed Know-How pursuant to Sec-  
tion 17.2 of the Hive-down Agreement between  
KGaA and LS OpCo**

**A. Specific provisions for trademark license**

**§ 1 Scope of the License**

- 1.1 KGaA grants to LS OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the trademarks licensed under Section 16.4.a of the Hive-down Agreement solely in the course of the ordinary business operations of the Life Science sector, as specified in paragraph 2.b) of the Preamble of the Hive-down Agreement. In particular, the license includes the right to use the licensed trademarks to identify LS OpCo products and services in the ordinary course of business of the Life Science sector.
- 1.2 The above license shall also be granted for any and all future trademarks which KGaA has applied for or registered in extension, modification or further development of the trademarks licensed in accordance with Section 1.1.
- 1.3 LS OpCo shall not be permitted to grant sublicenses to third parties without the prior written consent of KGaA with regard to the respective sublicense.

**§ 2 Use of the licensed trademarks**

- 2.1 LS OpCo shall have the right to use the trademarks licensed herein in combination with any other trademarks, names, and trade names owned by or licensed to LS OpCo.
- 2.2 LS OpCo may only use the licensed trademarks within the scope of guidelines relating to corporate identity provided by KGaA.
- 2.3 LS OpCo shall be prohibited from modifying the licensed trademarks or using such modified trademarks. In particular, LS OpCo shall be prohibited from developing, registering or otherwise using identical or confusingly similar characters, names, logos, or images in any part of the world. The sole right to extend, modify or further develop the licensed trademarks worldwide shall lie with KGaA. Should LS OpCo be interested in any extension, modification or further development of any trademark, it may submit respective proposals to KGaA. In this case, KGaA shall not be obligated to implement the such proposals. Should KGaA implement a corresponding proposal so submitted by LS OpCo, Section 1.2 shall apply.
- 2.4 LS OpCo acknowledges that KGaA is exclusively entitled to the value and reputation (*goodwill*) of the licensed trademarks and all associated rights. LS

OpCo undertakes to refrain from any action that could diminish or damage the value or reputation of the trademark.

### **§ 3 Registration, prosecution, maintenance, defense and enforcement of trademark rights**

- 3.1 KGaA shall have the sole right and obligation to take all necessary actions to maintain and prosecute the licensed trademarks during the term of this License Agreement. This includes, in particular, the timely submission of required applications, the timely submission of required declarations and the timely payment of official fees, as well as the defense against oppositions, revocations or similar proceedings against the licensed trademarks. As part of its prosecution, KGaA shall have the right to abandon licensed trademarks in the ordinary course of its business operations. If the abandoning of any trademarks involves substantial interests of LS OpCo, KGaA may only abandon such trademarks upon the prior consent of LS OpCo.
- 3.2 As between KGaA and LS OpCo and during the term of this License Agreement, KGaA shall have the sole right to enforce the licensed trademarks against current or potential infringers. KGaA shall take LS OpCo's interests into account. LS OpCo must immediately inform KGaA upon becoming aware of a current or potential infringement of the licensed trademarks. LS OpCo shall further provide appropriate assistance to KGaA with regard to the enforcement of the licensed trademarks in the Life Science sector.

## **B. Specific provisions for patent license**

### **§ 4 Scope of the License**

- 4.1 KGaA grants to LS OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the patent rights licensed under Section 16.4.b of the Hive-down Agreement solely in the course of the ordinary business operations of the Life Science sector, as specified in paragraph 2.b) of the Preamble of the Hive-down Agreement. In particular, the license includes the right to manufacture and sell LS OpCo products in the ordinary course of business of the Life Science sector.
- 4.2 The above license shall also be granted for any and all future patent rights that KGaA has applied for or registered claiming the priority of the patent rights licensed under Section 4.1 above.
- 4.3 LS OpCo shall only be permitted to grant sublicenses to third parties under the license granted to it in accordance with Section 4.1 to the extent it is necessary for the purposes of its ordinary business operations (e.g., in relation to the appointment of subcontractors) and upon the prior written consent of KGaA with regard to the respective sublicense.

## **§ 5 Registration, prosecution, maintenance, defense and enforcement of patent rights**

- 5.1 KGaA shall have the sole right and obligation to take all necessary actions to maintain and prosecute the licensed patent rights during the term of this License Agreement. This includes, in particular, the right to solely determine a filing strategy, the timely filing of required applications, the timely submission of required declarations and statements and the timely payment of official fees, as well as the defense against any oppositions, revocations, or similar proceedings against the licensed patents. As part of the prosecution, KGaA may abandon licensed patents in the ordinary course of its business operations. If the abandoning of any patent right involves substantial interests of LS OpCo, KGaA may only abandon such patent upon the prior consent of LS OpCo.
- 5.2 As between KGaA and LS OpCo and during the term of this License Agreement, KGaA shall have the sole right to enforce the licensed patent rights against current or potential infringers. KGaA shall take LS OpCo's interests into account. LS OpCo must immediately inform KGaA upon becoming aware of a current or potential infringement of the licensed patents. LS OpCo shall further provide appropriate assistance to KGaA with regard to the enforcement of the licensed patent in the Life Science sector.

### **C. Specific provisions for license to copyrights and ancillary copyrights, as well as exploitation rights in copyrights**

#### **§ 6 Scope of the license**

KGaA grants to LS OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the copyrights and ancillary copyrights licensed in accordance with Section 16.4.c of the Hive-down Agreement exclusively in the ordinary course of business of the Life Science sector in as specified in Section 2.b) of the Preamble to the Hive-down Agreement.

#### **§ 7 Defense**

As between KGaA and LS OpCo and during the term of this License Agreement, KGaA shall have the sole right to enforce the licensed copyrights and ancillary copyrights against current or potential infringers. KGaA shall take LS OpCo's interests into account. LS OpCo must immediately inform KGaA upon becoming aware of a current or potential infringement of the licensed copyrights and ancillary copyrights. LS OpCo shall further provide appropriate assistance to KGaA with regard to the enforcement of the licensed copyrights and ancillary copyrights in the Life Science sector.

**D. Specific provisions for license to Know-How****§ 8 Scope of the license**

- 8.1 KGaA grants to LS OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the Know-How licensed in accordance with Section 17.2 of the Hive-down Agreement exclusively in the ordinary course of business of the Life Science sector as specified in Section 2.b) of the Preamble to the Hive-down Agreement.
- 8.2 LS OpCo shall only be permitted to grant sublicenses to third parties under the license granted to it in accordance with Section 8.1 to the extent it is necessary for the purpose of its ordinary business operations (e.g., in relation to the appointment of subcontractors) and upon the prior written consent of KGaA with regard to the respective sublicense.
- 8.3 Sections 17.5 and 17.6 of the Hive-down Agreement shall remain unaffected.

**E. Specific provisions for license to Rights of Use****§ 9 Scope of the license**

KGaA grants to LS OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable, and non-sublicensable sublicense to use the Licensed Rights of Use Life Science according to Section 16.4.d of the Hive-down Agreement exclusively in the ordinary course of business of the Life Science sector as specified in Section 2.b) of the Preamble to the Hive-down Agreement. The granted right to use the Licensed Rights of Use Life Science shall be limited to those types of use which KGaA itself may exercise. The scope of the respective Right of Use is specified in the agreement concluded between KGaA and the respective licensor (**Principle Agreement**) and terminates upon termination of KGaA's rights under the Principle Agreement. LS OpCo undertakes to comply with all restrictions and obligations of KGaA under the Principle Agreement in such manner that KGaA is able to fulfill its contractual obligations towards the Licensor.

**F. General provisions****§ 10 Limitations on disposal, third-party rights**

The rights granted in this License Agreement shall apply only to the extent to which KGaA is entitled to dispose of them at the date of its execution. The provisions of this License Agreement shall have no effect on prior licenses granted to third parties under the Licensed Property Rights Life Science or the Licensed Rights of Use Life Science, and the rights and obligations of the third party or KGaA set forth therein.

### **§ 11 Assistance**

LS OpCo shall assist KGaA at its own expense with the registration, prosecution, maintenance, defense and enforcement of the Licensed Property Rights or Licensed Rights of Use under this License Agreement and, where appropriate, issue required statements.

### **§ 12 Cost allocation**

LS OpCo shall reimburse KGaA on a pro rata basis for all costs incurred by KGaA in connection with the registration, prosecution, maintenance, defense, and enforcement of the Licensed Property Rights or Licensed Rights of Use under this License Agreement. The proportion of costs to be borne by LS OpCo is to be determined based on the extent to which the respective Licensed Property Right or Licensed Right of Use is used by LS OpCo in comparison to the total use of the respective Licensed Property Right or Licensed Right of Use in the Group. Details shall be agreed upon by the Parties from time to time by mutual agreement.

### **§ 13 Term and termination**

- 13.1 The License Agreement is concluded for an indefinite period of time.
- 13.2 In the event a change of control occurs at LS OpCo or their legal successors, KGaA may terminate the granted licenses for due cause without being obligated to compensate LS OpCo or their legal successors. If KGaA exercises such right to terminate the License Agreement, all rights and obligations stipulated herein shall terminate with immediate effect. A change of control is deemed to have occurred when a third party, which is not an "affiliated company" of LS OpCo or its legal successors in terms of Section 15 et.seq. German Stock Corporation Act (*AktG*), solely or jointly with other third parties directly or indirectly acquires more than 50% of the company shares of LS OpCo or its legal successors or otherwise gains control, whether such control is gained by acquiring company shares, by way of a merger, or as a result of other statutory or contractual measures.
- 13.3 Unless otherwise specified in this License Agreement, this License Agreement may only be terminated if the termination right cannot be waived under applicable law.
- 13.4 If the License Agreement is terminated, all rights and obligations of the Parties under this License Agreement shall be void with immediate effect and without any Party's right to claim compensation. In case of termination of this License Agreement, LS OpCo shall cease the use of the Licensed Property Rights Life Science and the Licensed Rights of Use Life Science immediately.

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### **Annex 16.4.a**

#### **Shared IP Trademarks and Brands Life Science**



The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

## I. Trademarks

| Trademark                                       | Application number   | Case number according to internal database |
|-------------------------------------------------|----------------------|--------------------------------------------|
| LIVING SCIENCE, TRANSFORMING LIVES              | 008685729            | TM8941EU00                                 |
| MERCK SERONO LIVING SCIENCE, TRANSFORMING LIVES | 008876567            | TM9046EU00                                 |
| MERCK SERONO-LOGO 3 WITH TAGLINE                |                      | TM9034WO00                                 |
| MERCK SERONO-LOGO 3                             |                      | TM9008WO00                                 |
| MERCK-SERONO                                    | 306 59 136.7/05      | TM3858DE00                                 |
| MERCK SERONO BIOPHARMACEUTICALS                 | 306 59 457.9         | TM3860DE00                                 |
| EMD SERONO                                      | 306 59 456.0         | TM3862DE00                                 |
| EMD SERONO-LOGO                                 | 307 04 450.5         | TM3978DE00                                 |
| MERCK SERONO                                    | 306 59 135.9         | TM3857DE00                                 |
| MERCK SERONO-LOGO 2                             | 30 2009 063 326.6/05 | TM8937DE00                                 |
| EMD SERONO LOGO 2                               | 30 2009 063 325.8/05 | TM8938DE00                                 |
| MERCK SERONO-LOGO 3                             | 30 2009 076 191.4/05 | TM9008DE00                                 |
| EMD SERONO-LOGO 3                               | 30 2009 076 190.6/05 | TM9009DE00                                 |
| MERCK SERONO-LOGO 3 WITH TAGLINE                | 30 2010 007 621.6/05 | TM9034DE00                                 |
| MERCK SERONO LIVING SCIENCE, TRANSFORMING LIVES | 008876567            | TM9046EU00                                 |
| MERCK SERONO-LOGO 2 WITH TAGLINE                | 30 2009 063 327.4/05 | TM8939DE00                                 |
| EMD SERONO-LOGO 2 WITH TAGLINE                  | 30 2009 063 323.1/05 | TM8940DE00                                 |
| LIVING SCIENCE, TRANSFORMING LIVES              | 30 2009 063 330.4/05 | TM8941DE00                                 |
| MERCK SERONO LIVING SCIENCE, TRANSFORMING LIVES | 30 2009 063 328.2/05 | TM8942DE00                                 |
| EMD SERONO LIVING SCIENCE, TRANSFORMING LIVES   | 30 2009 063 329.0/05 | TM8943DE00                                 |
| LIVING SCIENCE, TRANSFORMING LIVES              | 008685729            | TM8941EU00                                 |
| MERCK                                           | 000283986            | TM5305EU00                                 |
| MERCK-ELEMENTE 6                                | 002379212            | TM5382EU00                                 |
| MERCK-CODE 1                                    | 002372266            | TM5373EU00                                 |
| MERCK-CODE 2                                    | 002377257            | TM5374EU00                                 |
| MERCK-ELEMENTE 6                                | 770113               | TM5382WO00                                 |
| UNLEASH THE POTENTIAL OF SCIENCE FOR LIFE       | 009247958            | TM9156EU00                                 |
| MERCK-ELEMENTE 7                                | 003357035            | TM7665EU00                                 |
| MRK                                             | 1 029 774            | TM4114WO00                                 |
| LIVE A BETTER LIFE                              | 009278078            | TM9155EU00                                 |
| MERCK - CUSTOMER CENTRIC - TECHNOLOGY DRIVEN    | 899508               | TM3637WO00                                 |
| MERCK-ELEMENTE 6                                | 1059080              | TM9102WO00                                 |
| MERCK                                           | 1057911              | TM9104WO00                                 |
| .MERCK                                          | 1137015              | TM24315WO00                                |
| INNOSPIRE                                       | 014868418            | TM25499EU00                                |
| OUTCUBATOR                                      | 014868401            | TM25498EU00                                |
| MERCK M INITIAL-LOGO                            | 016159097            | TM25487EU00                                |
| MERCK M CELLS-LOGO                              | 016159063            | TM25485EU00                                |
| MERCK                                           | 016159048            | TM25544EU00                                |
| MERCK ONE BLACK-LOGO                            | 016159089            | TM25483EU00                                |
| MERCK ONE BLUE-LOGO                             | 016159055            | TM25484EU00                                |
| MERCK M STRINGS-LOGO                            | 016159071            | TM25486EU00                                |
| MERCK - CUSTOMER CENTRIC - TECHNOLOGY DRIVEN    | 306 19 231           | TM3637DE00                                 |
| MERCK-CODE 2                                    | 306 44 586.7         | TM5374DE00                                 |
| MERCK                                           | 306 44 584.0         | TM5305DE00                                 |
| MERCK CROP BIOSCIENCE                           | 306 44 585.9         | TM3816DE00                                 |
| MERCK-MINILAB                                   | 307 02 788.0         | TM3969DE00                                 |
| SERVICE-SPIEGEL-LOGO                            | 396 27 946.5         | TM6194DE00                                 |
| MERCK                                           | 000283986            | TM5305EU00                                 |
| EMD                                             | 300 91 894.1         | TM3002DE00                                 |
| GPHF-MINILAB                                    | 397 34 334.5         | TM4557DE00                                 |
| LIFE CYCLE MANAGEMENT                           | 398 74 250.2         | TM5169DE00                                 |
| MERCK-CODE 1                                    | 301 30 670.2         | TM5373DE00                                 |
| MERCK-CODE 2                                    | 301 30 671.0         | TM5374DE01                                 |
| MERCK-ELEMENTE 6                                | 301 30 667.2         | TM5382DE00                                 |
| EMD-CODE 1                                      | 301 30 665.6         | TM3040DE00                                 |
| EMD-CODE 2                                      | 301 30 664.8         | TM3043DE00                                 |

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| MERCK-ELEMENTE 6                          | 002379212              | TM5382EU00                                 |
| MERCK-CODE 2                              | 002377257              | TM5374EU00                                 |
| MERCK-CODE 1                              | 002372266              | TM5373EU00                                 |
| EMD                                       | 301 71 783.4           | TM3002DE01                                 |
| EMD                                       | 301 70 622.0           | TM3002DE02                                 |
| E.MERCK                                   | M61208/5WZ             | TM2537DE00                                 |
| EM-LOGO 1                                 | M24006/5WZ             | TM2927DE00                                 |
| E.MERCK                                   | M55043/5WZ             | TM2537DE01                                 |
| EMERCK-LOGO                               | M9707/5WZ              | TM3149DE00                                 |
| MERCK CHIMIE                              | 302 31 897.6           | TM7285DE00                                 |
| PERSPEKTIVEN-COME2MERCK.DE                | 303 05 096.9           | TM7484DE00                                 |
| MERCK                                     | M46154/42WZ            | TM5305DE01                                 |
| MERCK                                     | M46166/42WZ            | TM5305DE02                                 |
| MERCK-ELEMENTE 7                          | 003357035              | TM7665EU00                                 |
| MERCK-ELEMENTE 8                          | 304 06 658.3           | TM7719DE00                                 |
| MERCK-ELEMENTE 9                          | 304 06 659.1           | TM7720DE00                                 |
| MERCK                                     | M9709/5WZ              | TM5305DE04                                 |
| MERCK                                     | M49562/10WZ            | TM5305DE05                                 |
| MERCK                                     | M 4119                 | TM5305DE06                                 |
| VINCIP                                    | 304 29 670.8           | TM8691DE00                                 |
| MERK                                      | 304 41 699.1           | TM1758DE00                                 |
| PHARMAMALL                                | 300 55 326.9           | TM3068DE00                                 |
| B2B-PHARMAMALL                            | 300 55 327.7           | TM3069DE00                                 |
| BALKENETIKETT-MERCK-CODE 2                | 305 23 705.5           | TM3217DE00                                 |
| WAPPENMARKE-LOGO                          | M9708/5WZ              | TM6680DE00                                 |
| BKK MERCK-LOGO                            | 30 2009 040 703.7/36   | TM8839DE00                                 |
| PHARMAMALL-LOGO                           | 30 2009 054 058        | TM8872DE00                                 |
| PHARMA-MALL                               | 30 2009 054 065.0 / 05 | TM8970DE00                                 |
| MERCK-ELEMENTE 10                         | 30 2010 011 428.2/05   | TM9057DE00                                 |
| MERCKMILLIPORE                            | 30 2010 011 349.9/05   | TM9068DE00                                 |
| MERCK-MILLIPORE                           | 30 2010 011 346.4/05   | TM9070DE00                                 |
| LIVE A BETTER LIFE                        | 009278078              | TM9155EU00                                 |
| UNLEASH THE POTENTIAL OF SCIENCE FOR LIFE | 009247958              | TM9156EU00                                 |
| DOTMERCK                                  | 302012044933.6         | TM24314DE00                                |
| .MERCK                                    | 302012044932.8         | TM24315DE00                                |
| MERCK - LIVING INNOVATION                 | 302012065618           | TM24646DE00                                |
| EMD - LIVING INNOVATION                   | 30 2012 065 619.6/05   | TM24647DE00                                |
| EMERCK (CYRILLIC)                         | 302014036627           | TM25063DE00                                |
| EMERCK (CHINESE)                          | 302014072854           | TM25067DE00                                |
| MD PERFORMANCE MATERIALS                  | 302015047307           | TM25407DE00                                |
| OUTCUBATOR                                | 014868401              | TM25498EU00                                |
| INNOSPIRE                                 | 014868418              | TM25499EU00                                |
| MERCK                                     | 302016002907           | TM25544DE00                                |
| MERCK                                     | 016159048              | TM25544EU00                                |
| MERCK ONE BLACK-LOGO                      | 016159089              | TM25483EU00                                |
| MERCK ONE BLUE-LOGO                       | 016159055              | TM25484EU00                                |
| MERCK M STRINGS-LOGO                      | 016159071              | TM25486EU00                                |
| MERCK M INITIAL-LOGO                      | 016159097              | TM25487EU00                                |
| MERCK M CELLS-LOGO                        | 016159063              | TM25485EU00                                |
| MILLIPORE SIGMA                           | 302016001107           | TM25521DE00                                |
| MERCK ONE BLACK-LOGO                      | 302015055533           | TM25483DE00                                |
| MERCK ONE BLUE-LOGO                       | 302015055534           | TM25484DE00                                |
| MERCK M CELLS-LOGO                        | 302015055537           | TM25485DE00                                |
| MERCK M STRINGS-LOGO                      | 302015055535           | TM25486DE00                                |
| MERCK M INITIAL-LOGO                      | 302015055536           | TM25487DE00                                |
| EMD SERONO-LOGO 4                         | 302015055977           | TM25488DE00                                |
| EMD PERFORMANCE MATERIALS-LOGO            | 302015055976           | TM25489DE00                                |
| MILLIPORE SIGMA-LOGO                      | 302015056289           | TM25490DE00                                |
| WellFair                                  | 302013061604           | TM24807DE00                                |
| MERCK - WIR LEBEN INNOVATION              | 30 2012 065 621.8/05   | TM24657DE00                                |
| MERCK MANUAL                              | 30 2013 023 550.9/16   | TM24701DE00                                |
| MERONO                                    | 302015041921           | TM25387DE00                                |
| MERSERONO                                 | 302015041920           | TM25388DE00                                |
| MERXUS                                    | 302015041923           | TM25390DE00                                |
| MERCK-ELEMENTE 6                          | 30 2010 026 325.3/07   | TM9102DE00                                 |
| MERCK-CODE 2                              | 30 2010 026 324.5/07   | TM9103DE00                                 |
| MERCK                                     | 30 2010 026 323.7/07   | TM9104DE00                                 |

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| MERCK-ELEMENTE 12      | 1065019              | TM9256WO00                                 |
| MERCK-ELEMENTE 13      | 1065067              | TM9257WO00                                 |
| MERCK-ELEMENTE 14      | 1065068              | TM9258WO00                                 |
| MERCK MILLIPORE-LOGO 1 | 1064643              | TM9245WO00                                 |
| MERCK MILLIPORE-LOGO 2 | 1065064              | TM9246WO00                                 |
| MERCK-ELEMENTE 11      | 1065066              | TM9255WO00                                 |
| EMD-MILLIPORE          | 30 2010 011 347.2/05 | TM9067DE00                                 |
| EMDMILLIPORE           | 30 2010 011 348.0/05 | TM9069DE00                                 |
| MERCK MILLIPORE        | 30 2010 060 471.9/05 | TM9239DE00                                 |
| EMD MILLIPORE          | 30 2010 060 472.7/05 | TM9240DE00                                 |
| MERCK MILLIPORE-LOGO 1 | 30 2010 061 170.7/01 | TM9245DE00                                 |
| MERCK MILLIPORE-LOGO 2 | 30 2010 061 172.3/01 | TM9246DE00                                 |
| MERCK MILLIPORE-LOGO 3 | 30 2010 061 175.8/01 | TM9247DE00                                 |
| MERCK MILLIPORE-LOGO 4 | 30 2010 061 177.4/01 | TM9248DE00                                 |
| MERCK MILLIPORE-LOGO 5 | 30 2010 061 179.0/01 | TM9249DE00                                 |
| EMD MILLIPORE-LOGO 1   | 30 2010 061 171.5/01 | TM9250DE00                                 |
| EMD MILLIPORE-LOGO 2   | 30 2010 061 173.1/01 | TM9251DE00                                 |
| EMD MILLIPORE-LOGO 3   | 30 2010 061 176.6/01 | TM9252DE00                                 |
| EMD MILLIPORE-LOGO 4   | 30 2010 061 178.2/01 | TM9253DE00                                 |
| EMD MILLIPORE-LOGO 5   | 30 2010 061 180.4/01 | TM9254DE00                                 |
| MERCK-ELEMENTE 11      | 30 2010 061 181.2/01 | TM9255DE00                                 |
| MERCK-ELEMENTE 12      | 30 2010 061 182.0/01 | TM9256DE00                                 |
| MERCK-ELEMENTE 13      | 30 2010 061 183.9/01 | TM9257DE00                                 |
| MERCK-ELEMENTE 14      | 30 2010 061 184.7/01 | TM9258DE00                                 |

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## II. Domains

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| merono-corporation.com             | merck-customercentric-             | rheuma-partner.de                   |
| mggroup.com                        | technologydriven.de                | xn--antikrpertherapiepartner-poc.de |
| merck-family-foundation.com        | emdserono-biopharmaceuticals.de    | xn--gynkologiepartner-sqb.de        |
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| merckstadion-am-boellenfalltor.de  | merckseronobiopharmaceuticals.de   | znspartner.de                       |
| merckstadion-am-boellenfalltor.de  | fondril.de                         | merck-events.de                     |
| merckstadion-am-boellenfalltor.de  | merck-seronobiopharmaceuticals.de  | reiffuerswunschkind.de              |
| merckstadion-am-boellenfalltor.de  | merck-serono-biopharmaceuticals.de | reif-fuers-wunschkind.de            |
| merckstadionamboellenfalltor.de    | merckserono-biopharmaceuticals.de  | xn--reif-frs-wunschkind-bbc.de      |
| merckstadionamboellenfalltor.de    | merck-serono.de                    | xn--reifferswunschkind-62b.de       |
| merckstadion-am-boelle.de          | merckserono.de                     | reiffuerswunschkind.de              |
| merckstadion-amboelle.de           | schuchardt.de                      | xn--reifrswunschkind-mzb.de         |
| merckstadion-am-boelle.de          | merck-shared-services-europe.de    | makegreatthingshappen.de            |
| merckstadionamboelle.de            | thiobion.de                        | make-great-things-happen.de         |
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| merckstadionam-boelle.de           | olmitarg.de                        | innovation-cup.de                   |
| stadionamboellenfalltor.de         | kidabion-iq.de                     | innovationcup.de                    |
| boellenfalltorstadion.de           | olmeral.de                         | fertilitaet-experten.de             |
| ceo-direct-merck.de                | msse.de                            | wir-wuenschen-uns-ein-baby.de       |
| ceo-direct.de                      | corvalor.de                        | xn--wir-wnschen-uns-ein-baby-zsc.de |
| ceodirect.de                       | valox.de                           | eeva-test.de                        |
| come2merck.de                      | valcorsan.de                       | merckstadion.de                     |
| cometomerck.de                     | merckseronopharma.de               | merckarena.de                       |
| cometwomerck.de                    | merck-serono-pharma.de             | stadion-merck.de                    |
| emerck.de                          | merckbiosciences.de                | merck-stadion.de                    |
| globallab.de                       | merck-magazin.de                   | arena-merck.de                      |
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| labneeds.de                        | sartavance.de                      | merck-arena.de                      |
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| emerck.net                          | biometmerck.com                   | md-milliporesigma.com             |
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| smokeinhalationtreatment.org        | merck-sereno.com                  | mercksigma.com                    |
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| merck-stadion.com                   | mercksereno.net                   | mercksigma.net                    |
| arena-merck.com                     | merck-sereno.net                  | emdsigmaaldrich.net               |
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| philharmonie-merck.org              | m-performance-materials.com       | sigma-aldrich-merck.net           |
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| stadionmerck.com                    | joy-ofdiscovery.com               | merck-isotec.com                  |
| mm-power2create.com                 | joyof-discovery.com               | merck-cerilliant.com              |
| merckinc.com                        | making-lifericher.com             | sigmamerck.com                    |
| emdserono-ghi.com                   | makinglife-richer.com             | aldrichmerck.com                  |
| merckserono-ghi.com                 | mserono.com                       | aldrich-merck.com                 |
| emdpharmaceutical.com               | mdserono.com                      | sial-merck.net                    |
| merckserono-ghi.org                 | mdmilliporesigma.com              | sialmerck.com                     |

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|                                   |                                    |                                  |
|-----------------------------------|------------------------------------|----------------------------------|
| sigmamerck.net                    | parentsoffertility.com             | merck-generics-sucks.com         |
| merckkgaallifescience.com         | merckfamilyfoundation.com          | millipor.com                     |
| sigma-merck.net                   | merckff.com                        | merck-efg.com                    |
| sialmerck.net                     | infusions-mediflor.com             | merckefg.com                     |
| emercksigma.com                   | infusion-mediflor.com              | genericosmerck.com               |
| sigma-merck.com                   | oropolis-mediflor.com              | merck-cosmetica.com              |
| emerck-sigma.com                  | m-ventures.com                     | merckpigmentos.com               |
| merckkga-sigma.com                | innovate-and-learn.com             | merckcosmetica.com               |
| merckkgaasigma.com                | xn--ditmami-6wa.de                 | merck-pigmentos.com              |
| emerck-lifesciences.com           | xn--dieditmami-u5a.de              | mercketicos.com                  |
| emercklifescience.com             | diaetmami.de                       | merck-eticos.com                 |
| merck-lifesciences.com            | diediaetmami.de                    | merckfarma.com                   |
| merckkgaallifesciences.com        | merck-sigma.de                     | merck-oncologia.com              |
| sial-merck.com                    | prometeomerck.com                  | merckoncologia.com               |
| mercklifescience.com              | merckmilipore.com                  | merck-quimica.com                |
| emercklifesciences.com            | merck-salud.com                    | merckquimica.com                 |
| emerck-lifescience.com            | merckls.com                        | mercksalud-nutricion.com         |
| emdlifescience.com                | elblogdemercksalud.com             | merckpolioles.com                |
| emdlifesciences.com               | merckmedicationfamiliale.com       | mercksaludynutricion.com         |
| emd-lifesciences.com              | emd-future-leaders.com             | merckelectronica.com             |
| emd-lifescience.com               | merck-future-leaders.com           | merckindustria.com               |
| merck-lifescience.com             | merck-kgaa.com                     | merckcristalesliquidos.com       |
| emdsigma.com                      | merck-chem.com                     | merck-industria.com              |
| merckfluka.com                    | merckdura.com                      | merck-it.com                     |
| merck-fluka.com                   | merck-farma-mcsa.com               | merckit.com                      |
| merckaldrich.org                  | merck-customercentric-             | merckti.com                      |
| emdsigma-aldrich.org              | technologydriven.com               | merck-itecnicas.com              |
| emdsigmaaldrich.org               | emerckindia.com                    | merck-farma.com                  |
| merck-aldrich.org                 | mercktraining.com                  | merckseronofertility.com         |
| emd-sigma.org                     | merck-egypt.com                    | merckindia.com                   |
| merck-sigma.org                   | merck-worldwide.com                | premiogiornalisticomerck.com     |
| mercksigma.org                    | merckserono-biopharmaceuticals.com | merck.org                        |
| emdaldrich.org                    | merck-seronobiopharmaceuticals.com | amarant.org                      |
| emd-aldrich.org                   | emdserono-signet.com               | merckrespiratory.org             |
| sigmaaldrich-merck.org            | xn--7gqx1d497bwdo.com              | merck-academy.org                |
| merck-sigma-aldrich.org           | come2merck.com                     | merckseronogrowthhormoneinnovati |
| merck-sigmaaldrich.org            | merck-magazine.com                 | ongrant.org                      |
| mercksigmaaldrich.org             | merckmagazine.com                  | diabetesfranchise-merck.org      |
| mercksial.org                     | merck-france.com                   | merckseronofertility.org         |
| emd-sigma-aldrich.org             | merck-sante.com                    | premiogiornalisticomerck.org     |
| sigmaaldrichmerck.org             | merck-liphasante.com               | merckpharma.net                  |
| merck-sial.org                    | merckkorea.com                     | merck-dura.net                   |
| emd-sigmaaldrich.org              | ceo-direct-merckkga.com            | merckdura.net                    |
| sigma-aldrich-merck.org           | mercklivinginnovation.com          | merck.net                        |
| sigma-aldrichmerck.org            | merck-livinginnovation.com         | merckrespiratory.net             |
| sigma-merck.org                   | 2012-m-seasonsgreetings.com        | merckpharmaceutical.net          |
| sigmamerck.org                    | merckserono-myreward.com           | pulse2013.com                    |
| aldrich-merck.org                 | fondazioneserono.com               | merck-survey.com                 |
| aldrichmerck.org                  | pulse2011.com                      | emd-survey.com                   |
| sial-merck.org                    | merckblog.com                      | catch-curious.com                |
| sialmerck.org                     | merckrespiratory.com               | emdsharedservices.com            |
| merck-stadion-amboellenfalltor.de | lexigenpharm.com                   | emdserono.com                    |
| merckstadionam-boelle.de          | emdseronostore.com                 | ms-ventures.com                  |
| mercksial.de                      | emanuels-dialog.com                | emdmillipore.com                 |
| sial-merck.de                     | merck-the-original.com             | emdgroup.com                     |
| sigmaaldrich-merck.de             | emd-the-original.com               | merckgroup.com                   |
| sigma-aldrichmerck.de             | mercktheoriginal.com               | merckgroup-congressplanner.com   |
| sigmamerck.de                     | emdtheoriginal.com                 | merck.de                         |
| sigma-aldrich-merck.de            | the-original-emd.com               | traintoinnovate.com              |
| sigmaaldrichmerck.de              | the-original-merck.com             | curiosity-merckgroup.com         |
| pulse2012.de                      | original-emd.com                   | curiosity-emdgroup.com           |
| mercksigmaaldrich.de              | originalemmd.com                   | curiosity-merck.de               |
| mercksigma.de                     | original-merck.com                 | come2emd.com                     |
| merck-sigma-aldrich.de            | originalmerck.com                  | img-emdserono.com                |
| mercksigma-aldrich.de             | merckgroup-grants.com              | merck-cap.com                    |
| merck-sigmaaldrich.de             | emdserono-grants.com               | merckmf.com                      |
| merck-aldrich.de                  | emdgroup-grants.com                | emdmilipore.com                  |
| merckaldrich.de                   | merckserono-grants.com             | merckeurolab.com                 |
| merck-sial.de                     | merck-grants.com                   | merckonline.com                  |
| aldrichmerck.de                   | emd-grants.com                     | emdcanada.com                    |
| sigma-merck.de                    | merckmillipore.com                 | emd-canada.com                   |
| aldrich-merck.de                  | merckpharmaceutical.com            | premioletterariomerckserono.com  |
| sialmerck.de                      | premiociansemesmerck.com           | mercksuppliers.com               |
| romzurto.com                      | primerpremiocesmerck.com           | mercksupplier.com                |
| tyenne.com                        | mercknews.com                      | grantsformedicaleducation.com    |
| naxobutinib.com                   | merck-generics-stinks.com          | carrettausa-emdseronostore.com   |

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|                                     |                               |                                      |
|-------------------------------------|-------------------------------|--------------------------------------|
| come2merckgroup.com                 | merck-pps.com                 | msventure.org                        |
| merckseronofarma.com                | mercknet.com                  | m-s-venture.org                      |
| german-merck.com                    | emdlexigen.com                | m-s-ventures.org                     |
| merck-Deutschland.com               | merck-manuals.com             | merckprova.org                       |
| merckDeutschland.com                | merck-generics.com            | fondazioneserono.org                 |
| germanmerck.com                     | merckchem.com                 | merckgenericsgroup.org               |
| xn--9dbazjd9agc.com                 | merckbiosciences.com          | merckpharmaceuticals.org             |
| mercip.com                          | merckbioscience.com           | merckeuropa.org                      |
| mercefex.com                        | hypoxiamerckserono.com        | merckgroup.org                       |
| forummerckserono.com                | maestromerckserono.com        | merckworldwide.org                   |
| merck-shared-services-europe.com    | maestroemdserono.com          | merckpharmaceutical.org              |
| merck-mf.com                        | merckdermatologie.com         | m-ventures.org                       |
| merckkgaa-darmstadt-                | merckhotels.com               | merckseronovitamins.com              |
| Deutschland.com                     | merck-hotels.com              | merckresponsibilityfoundation.com    |
| merck-africa.com                    | merckthyroexpert.com          | merck-responsibility-foundation.com  |
| merckras.com                        | merck-uk.com                  | merck-responsibility.com             |
| mercklab.com                        | merckmeetingplanner.com       | merckfoundation.com                  |
| emdsupplier.com                     | merckb2b.com                  | merck-foundation.com                 |
| emdsuppliers.com                    | pulse2015.com                 | curious-18.de                        |
| merckindiawebapps.com               | pulse2016.com                 | curious18.de                         |
| sigmamillipore.com                  | pulse2014.com                 | futureinsightconference.de           |
| sigma-millipore.com                 | emerck.com                    | future-insight-conference.de         |
| merk-serono.com                     | e-merck.com                   | future-insight.de                    |
| merkserono.com                      | emdcropbioscience.com         | curiousfuture.de                     |
| millipore-merck.com                 | merckgenerics.com             | curious-future.de                    |
| merckmillipore.com                  | merck-us.com                  | curiousfutureinsightconference.de    |
| milliporemerck.com                  | formacionmerck.com            | curious-future-insight-conference.de |
| merck-millipore.com                 | merck-de.com                  | curious-19.de                        |
| emd-millipore.com                   | dotmerck.com                  | curious19.de                         |
| mercklifesciences.com               | merck-iran.com                | curious-20.de                        |
| merckworld.com                      | merck-events.com              | curious20.de                         |
| merckkgaa.com                       | merckgastroenterology.com     | curious-21.de                        |
| planetmerck.com                     | merck-darmstadt.com           | curious21.de                         |
| mercktrading.com                    | merckdarmstadt.com            | curious-22.de                        |
| merckpharma.com                     | merckgenericsgroup.com        | curious22.de                         |
| merck-pharma.com                    | merckworldwide.com            | curious-23.de                        |
| merckdrugdelivery.com               | merckeuropa.com               | curious23.de                         |
| emdseronovotes.com                  | merck-china.com               | curious-24.de                        |
| mercksinfronteras.com               | xn--fiqu9egd10w2n8e7yn77m.com | curious24.de                         |
| 40yearsphindicatorstripsbymerck.com | merckde.com                   | grandinnovatorprize.de               |
| merck-catalog.com                   | mrk.com                       | grand-innovator-prize.de             |
| vibrantm.com                        | innovation-boost.com          | greatinnovatorprize.de               |
| csmmerckefg.com                     | outcubation.com               | great-innovator-prize.de             |
| premioletterariomerckserono.net     | merck-me.com                  | futureinsightprize.de                |
| mercklab.net                        | eprova.com                    | future-insight-prize.de              |
| merck-millipore.net                 | merserono.com                 | curious-18.com                       |
| merckmillipore.net                  | merck-kpi.com                 | futureinsightconference.com          |
| emdmillipore.net                    | merckvivera.com               | future-insight-conference.com        |
| emd-millipore.net                   | emd-pharmaceuticals.com       | curiousfuture.com                    |
| milliporemerck.net                  | personalizedteam.com          | curious-future.com                   |
| millipore-merck.net                 | m-group.com                   | curiousfutureinsightconference.com   |
| merckdrugdelivery.net               | merckbiopharma.com            | curious-future-insight-              |
| merckmanuals.net                    | merck-ventures.com            | conference.com                       |
| merck-manuals.net                   | merckbox.com                  | curious-19.com                       |
| merck-manual.net                    | merckiran.com                 | curious19.com                        |
| premioletterariomerckserono.org     | m-s-ventures.net              | curious-20.com                       |
| psdi2014.org                        | m-s-venture.net               | curious20.com                        |
| mercklab.org                        | ms-venture.net                | curious-21.com                       |
| merckmillipore.org                  | msventure.net                 | curious21.com                        |
| merck-millipore.org                 | ms-ventures.net               | curious-22.com                       |
| milliporemerck.org                  | merck-eprova.net              | curious22.com                        |
| millipore-merck.org                 | merckeprova.net               | curious-23.com                       |
| emdmillipore.org                    | merck-pharma.net              | curious23.com                        |
| emd-millipore.org                   | fondazioneserono.net          | curious-24.com                       |
| merckdrugdelivery.org               | emdsharedservices.net         | grandinnovatorprize.com              |
| merckmanuals.org                    | merck-farma.net               | grand-innovator-prize.com            |
| merckmanual.org                     | merckworldwide.net            | greatinnovatorprize.com              |
| merck-manual.org                    | merckpharmaceuticals.net      | great-innovator-prize.com            |
| ms-venture.com                      | merckeuropa.net               | futureinsightprize.com               |
| m-s-venture.com                     | xn--fiqu9egd10w2n8e7yn77m.net | future-insight-prize.com             |
| m-s-ventures.com                    | m-ventures.net                | curious-18.net                       |
| merckge.com                         | merck-eprova.org              | curious18.net                        |
| corporate-compliance-network.com    | ms-venture.org                | futureinsightconference.net          |
| corporate-compliance-office.com     | ms-v.org                      | future-insight-conference.net        |
| merckchimie-communications.com      | ms-ventures.org               | curiousfuture.net                    |
|                                     | msventures.org                | curious-future.net                   |

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curiousfutureinsightconference.net  
 curious-future-insight-conference.net  
 curious-19.net  
 curious19.net  
 curious-20.net  
 curious20.net  
 curious-21.net  
 curious21.net  
 curious-22.net  
 curious-23.net  
 curious22.net  
 curious23.net  
 curious-24.net  
 curious24.net  
 grandinnovatorprize.net  
 grand-innovator-prize.net  
 greatinnovatorprize.net  
 great-innovator-prize.net  
 futureinsightprize.net  
 future-insight-prize.net  
 curious-18.org  
 curious18.org  
 futureinsightconference.org  
 future-insight-conference.org  
 curiousfuture.org  
 curious-future.org  
 curiousfutureinsightconference.org  
 curious-future-insight-conference.org  
 curious-19.org  
 curious19.org  
 curious-20.org  
 curious20.org  
 curious-21.org  
 curious21.org  
 curious-22.org  
 curious22.org

curious-23.org  
 curious23.org  
 curious-24.org  
 curious24.org  
 grandinnovatorprize.org  
 grand-innovator-prize.org  
 greatinnovatorprize.org  
 great-innovator-prize.org  
 futureinsightprize.org  
 future-insight-prize.org  
 curious18.com  
 fundacionmercksalud.com  
 curious2018.de  
 curious2018.com  
 curious2018.net  
 curious2018.org  
 curious-2018.de  
 curious-2018.com  
 curious-2018.net  
 curious-2018.org  
 curious-futureinsight.de  
 curious-futureinsight.com  
 curious-futureinsight.net  
 curious-futureinsight.org  
 makingschistory.com  
 emdseronoportal.com  
 testmerckgroup.com  
 merckserono-training.de  
 worldofnewwork.com  
 thefuturework.com  
 merckme.com  
 medimerk.com  
 medimerck.com  
 thefuturetransformation.de  
 thefuturetransformation.com  
 thefuturetransformation.net

thinkdigitaltank.de  
 thinkdigitaltank.com  
 thinkdigitaltank.net  
 merck-bewerbung.de  
 merckseronotraining.de  
 mercksgroup.com  
 merckgroup.com  
 merckgr0up.com  
 merckindiacrm.com  
 merckgroup.com  
 merckglobalhealth.com  
 emdglobalhealth.com  
 merck-connect.de  
 atsfteam.com  
 email-merckgroup.com  
 performancematerials-merckgroup.com  
 mealibrary.com  
 merckventi.com  
 benzonase.com  
 bangaloregenei.com  
 mapkinase.com  
 antibodyguarantee.com  
 bi-ron.com  
 lcmssolvents.com  
 optixifxdispenser.com  
 thedesiccant.com  
 merckgenesis.com  
 benzonase.com  
 bangaloregenei.com  
 mapkinase.com  
 antibodyguarantee.com  
 bi-ron.com  
 lcmssolvents.com  
 optixifxdispenser.com  
 thedesiccant.com



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### III. Designs

| Country                                                                                        | Identification number | Registration number |
|------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| European Union                                                                                 | ALC-0369-2016         | WIPO52375           |
| European Union                                                                                 | ALC-0370-2016         | WIPO52738           |
| European Union                                                                                 | ALC-0808-2016         | 968312901           |
| Switzerland, Egypt,<br>European Union, Morocco,<br>Oman, Serbia, Singapore,<br>Tunisia, Turkey | ALC-0868-2016         | 968530501           |

### **Annex 16.4.b**

#### **Shared IP Patent Rights Life Science**

| Case number according to internal database | Application numbers competent patent authorities                    |
|--------------------------------------------|---------------------------------------------------------------------|
| P 12/227                                   | 10-2015-7017290; 102143896; 13786629.9; 201380062392.8; 2015-544370 |
| P 13/237                                   | 14801935.9; 15/104,690; 2016-541563                                 |
| P 15/040                                   | 102015003472.3                                                      |
| P 15/160                                   | PCT/EP2016/001341                                                   |
| P 15/161                                   | PCT/EP2016/001339                                                   |
| P 15/162                                   | PCT/EP2016/001340                                                   |
| P 16/010                                   | 106102839; PCT/EP2017/000050                                        |
| P 16/062                                   | PCT/EP2017/059849                                                   |
| P 16/175                                   | PCT/EP2017/072551                                                   |
| P 16/282                                   | 106144703; 15/428,577; 15/843,696; 16205928.1; PCT/EP2017/083299    |
| P 16/283                                   | 106144704; 15/428,641; 15/838,774; 16205920.8; PCT/EP2017/083283    |
| P 17/034                                   | 17156321.6                                                          |
| P 17/035                                   | 17156324.0                                                          |
| P 17/036                                   | 17156326.5                                                          |
| P 17/037                                   | 17156327.3                                                          |
| P 17/038                                   | 17156329.9                                                          |
| P 17/039                                   | 17156331.5                                                          |
| P 17/180                                   | 1712006.4                                                           |
| P 17/217                                   | 62/556,090                                                          |
| P 17/218                                   | 62/556,083                                                          |
| P 17/267                                   | 17198633.4                                                          |
| P 17/327                                   | 17210179.2                                                          |
| I 16/286                                   | [not yet available]                                                 |
| I 17/014                                   | [not yet available]                                                 |
| I 17/175                                   | [not yet available]                                                 |
| I 17/286                                   | [not yet available]                                                 |
| I 17/337                                   | [not yet available]                                                 |
| I 17/338                                   | [not yet available]                                                 |

### **Annex 16.4.d**

#### **Shared IP Rights of Use Life Science**

**Asset number of the right of use according to accounting**

|         |
|---------|
| 1042176 |
| 1074452 |
| 1057680 |
| 1058204 |
| 1037399 |
| 1065408 |
| 1049498 |
| 1037400 |
| 1065412 |
| 1051520 |
| 1071428 |
| 1042928 |
| 1050882 |
| 1072515 |
| 1042886 |
| 1064149 |
| 1065156 |
| 1069926 |
| 1064935 |
| 1058511 |
| 1045764 |
| 1044111 |
| 1056078 |
| 1066248 |
| 1069869 |
| 1053413 |
| 1065161 |
| 1065165 |
| 1042892 |
| 1056572 |
| 1082187 |
| 1048847 |
| 1067111 |
| 1044186 |
| 1057762 |
| 1058604 |
| 1066247 |
| 1082533 |
| 1042665 |
| 1054457 |
| 1057607 |
| 1055236 |
| 1042666 |
| 1076481 |
| 1051067 |
| 1045761 |
| 1053245 |
| 1053246 |
| 1053247 |
| 1053248 |

## **Annex 18.1**

### Tangible Assets Life Science

**Annex 18.1**  
Tangible Assets Life Science

**Asset number of the tangible asset according to accounting**

|         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1076327 | 1054563 | 1062447 | 1084819 | 1016142 | 1031831 | 1020147 | 1042614 | 796109  | 765728  |
| 762654  | 1048316 | 379724  | 208433  | 1006621 | 744534  | 1036164 | 1075834 | 766203  | 765729  |
| 1073822 | 1048314 | 1079323 | 387168  | 791383  | 744535  | 736811  | 1013378 | 1019238 | 765730  |
| 1073823 | 801989  | 1084012 | 1007184 | 802897  | 744536  | 768663  | 2047676 | 1082394 | 1007585 |
| 1070554 | 1010275 | 1009406 | 102579  | 1088035 | 744537  | 1018635 | 1025510 | 1082044 | 251914  |
| 1062435 | 2043711 | 1070492 | 748155  | 1043976 | 767136  | 1009467 | 1071250 | 783335  | 1085135 |
| 1062437 | 1062412 | 2051502 | 1060626 | 1004072 | 735360  | 1016331 | 1043609 | 1050902 | 54373   |
| 1006609 | 1004084 | 1068584 | 736909  | 1048315 | 1025516 | 751760  | 735780  | 1041970 | 2038819 |
| 1062418 | 1086509 | 1048310 | 1046069 | 1002338 | 381474  | 1073827 | 1024160 | 1076791 | 1068577 |
| 1062444 | 1062421 | 746484  | 766045  | 1079327 | 361325  | 1075048 | 1025603 | 1053869 | 1002326 |
| 1062446 | 1043264 | 762997  | 766046  | 1062424 | 754971  | 1062450 | 787913  | 807664  | 1070413 |
| 1062420 | 1010274 | 1019279 | 766047  | 1062425 | 750472  | 358167  | 1015820 | 807665  | 2047370 |
| 1019235 | 737229  | 1074011 | 766048  | 1062426 | 1042379 | 1006604 | 1015823 | 736367  | 1065566 |
| 1076328 | 1004067 | 1000630 | 766049  | 1062427 | 1062449 | 1054564 | 1029629 | 1042287 | 802228  |
| 766955  | 1060628 | 737496  | 1003887 | 1062428 | 741280  | 304236  | 779373  | 1009089 | 379648  |
| 765305  | 785869  | 787912  | 1070427 | 1062429 | 1056510 | 782361  | 736223  | 1046341 | 777920  |
| 1062436 | 765304  | 1006588 | 1070431 | 2043707 | 1049550 | 797788  | 285004  | 1024483 | 1077753 |
| 1000206 | 1075512 | 1084011 | 1079324 | 1053750 | 1049551 | 1059921 | 236391  | 1070418 | 1029038 |
| 1062431 | 1062433 | 1077774 | 1044475 | 733456  | 1003981 | 1059922 | 748133  | 1059294 | 748175  |
| 1009204 | 805431  | 1019280 | 1006583 | 1011613 | 1003982 | 748052  | 1065552 | 1018915 | 1087550 |
| 2048944 | 383247  | 1071860 | 1070362 | 403950  | 1059284 | 791701  | 747084  | 1061078 | 1004078 |
| 1044570 | 1048305 | 759333  | 1004065 | 358168  | 807655  | 1054004 | 1050086 | 1025406 | 748073  |
| 1019236 | 1049590 | 748082  | 796866  | 766567  | 770065  | 1065748 | 379573  | 784268  | 796037  |
| 748151  | 785867  | 1082850 | 1079461 | 1025394 | 746724  | 802896  | 378450  | 735431  | 766027  |
| 236301  | 797641  | 1054569 | 1087117 | 1082798 | 791763  | 1010136 | 1020932 | 1022786 | 1054571 |
| 1079325 | 1010276 | 1009034 | 736717  | 379737  | 797643  | 736357  | 1029019 | 2043556 | 1087734 |
| 1059328 | 2049281 | 747009  | 1060913 | 1048303 | 1003444 | 1046071 | 1063917 | 1018884 | 1085785 |
| 1062419 | 779945  | 737231  | 1001672 | 746479  | 1010180 | 2044935 | 1063918 | 1088041 | 1071247 |
| 1079328 | 1023821 | 705642  | 1046073 | 1029628 | 802903  | 736727  | 1085790 | 767138  | 797647  |
| 1005069 | 2048757 | 1060483 | 1072175 | 790118  | 802902  | 1009200 | 799136  | 248853  | 1052300 |
| 802898  | 1048307 | 1060484 | 1072176 | 1004436 | 2048665 | 1084003 | 782833  | 1007191 | 1065774 |
| 1079326 | 1043977 | 1060485 | 2049601 | 1004437 | 1042378 | 745869  | 1004080 | 1009076 | 778662  |
| 758288  | 802895  | 1060486 | 736102  | 1053788 | 1043308 | 783331  | 2049085 | 1082652 | 1072698 |
| 1006593 | 785884  | 384248  | 2048664 | 803271  | 1023259 | 1016341 | 1049597 | 1007984 | 135640  |
| 2047715 | 737354  | 1087125 | 222388  | 1084005 | 1042377 | 751556  | 376852  | 745356  | 756647  |
| 799141  | 802900  | 1048309 | 1047706 | 1013354 | 1085809 | 1003888 | 2051729 | 750872  | 1020921 |
| 1062423 | 802901  | 1050935 | 1009083 | 732258  | 789211  | 1075929 | 264195  | 1043527 | 735421  |
| 1006611 | 1055100 | 765301  | 1055551 | 315645  | 789604  | 1029018 | 750920  | 1048566 | 1071248 |
| 1015958 | 748094  | 1009033 | 1030186 | 1010193 | 1054562 | 737236  | 785887  | 1070281 | 1059296 |
| 379560  | 767838  | 783329  | 1084006 | 1019109 | 1061061 | 1018906 | 1087257 | 787092  | 1019004 |
| 1048304 | 1019277 | 1072695 | 2047962 | 1015961 | 1015960 | 1046070 | 1070264 | 1037145 | 1068534 |
| 1070662 | 743541  | 734404  | 251929  | 1065028 | 383235  | 1079149 | 1006596 | 315542  | 1060251 |
| 1023822 | 782836  | 1073197 | 50486   | 1065029 | 1025375 | 796882  | 1050559 | 1053944 | 304012  |
| 1008069 | 1006620 | 2048754 | 179535  | 1084009 | 2049662 | 748178  | 1075971 | 1013355 | 1007189 |
| 737495  | 748050  | 1031833 | 179536  | 1042005 | 1061863 | 1059016 | 1023668 | 298004  | 1019134 |
| 1062422 | 1062414 | 737120  | 1059285 | 100609  | 1084007 | 804114  | 1020925 | 1043736 | 1019135 |
| 1062434 | 734503  | 1047712 | 1088045 | 1062451 | 1084705 | 1016210 | 799074  | 1054558 | 403914  |
| 1000909 | 1070279 | 1048327 | 1004076 | 733409  | 2045367 | 798415  | 1052285 | 1024158 | 1023664 |
| 1010277 | 203592  | 1065630 | 2044652 | 748098  | 799427  | 1065314 | 1004071 | 1046054 | 1051037 |
| 773603  | 802899  | 1042846 | 1013823 | 751389  | 1079267 | 1069090 | 251910  | 1046055 | 1083582 |
| 1077775 | 1085779 | 1025395 | 1037093 | 733472  | 784775  | 198178  | 1075049 | 1042845 | 1057063 |
| 1004044 | 1079268 | 735286  | 1088104 | 2045886 | 1070314 | 1068576 | 1040795 | 1068148 | 285732  |
| 1040008 | 1084010 | 388158  | 2049683 | 1065797 | 1009092 | 1002233 | 1010584 | 781182  | 387488  |
| 1040009 | 2043908 | 1043662 | 733478  | 1062413 | 1043319 | 1084008 | 1060240 | 1082333 | 1055395 |
| 1035148 | 2048756 | 1073828 | 790663  | 1046324 | 1081237 | 1085791 | 1001668 | 1019136 | 1050428 |
| 737776  | 767047  | 1029630 | 766536  | 761883  | 1087253 | 1002239 | 387205  | 734505  | 803653  |
| 801993  | 1048308 | 1015821 | 1031832 | 1048507 | 748172  | 1061072 | 1068535 | 1047695 | 1048317 |
| 1062432 | 731944  | 1081223 | 102524  | 1075573 | 1007185 | 1058187 | 746513  | 733401  | 1085811 |
| 1006610 | 1062415 | 1081224 | 1072418 | 767063  | 304866  | 387282  | 773712  | 1077762 | 1006608 |
| 1084004 | 1062416 | 735783  | 315260  | 748162  | 1022444 | 1013819 | 18862   | 248942  | 1081226 |
| 736355  | 1076326 | 755964  | 736168  | 785425  | 1079460 | 1083998 | 802485  | 1042027 | 1073230 |
| 1075050 | 1075054 | 1024065 | 386680  | 736721  | 1062462 | 766963  | 1052857 | 746624  | 1008954 |
| 751391  | 1070819 | 737499  | 747855  | 1017594 | 803405  | 737489  | 1054559 | 357414  | 298169  |
| 379601  | 2048755 | 1083999 | 1062399 | 1062467 | 1071875 | 1088090 | 1070491 | 2043714 | 1040769 |
| 1053853 | 799140  | 1074002 | 2045365 | 1062468 | 782318  | 1052805 | 1029597 | 798229  | 1019202 |
| 1006616 | 266227  | 1062430 | 1074529 | 1058186 | 1068163 | 1050074 | 1043528 | 762664  | 1019201 |
| 1035633 | 362252  | 1010278 | 779941  | 1009201 | 1070359 | 379559  | 1036165 | 787086  | 1019198 |
| 1048312 | 751388  | 804534  | 2043715 | 806278  | 1074573 | 236382  | 1043574 | 1068674 | 1003533 |

**Annex 18.1**  
Tangible Assets Life Science

|         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1029367 | 789944  | 2037241 | 1053778 | 1000140 | 781143  | 1062841 | 799132  | 1042253 | 797635  |
| 162476  | 1022446 | 1082272 | 1055333 | 252121  | 802914  | 1020634 | 2045950 | 389266  | 767833  |
| 1036042 | 1054572 | 1082273 | 736518  | 1025542 | 766943  | 754989  | 805092  | 1079213 | 367432  |
| 1081221 | 1050936 | 297994  | 735180  | 1013356 | 1048596 | 748182  | 2047750 | 252064  | 1070417 |
| 748103  | 1046053 | 748422  | 1043263 | 1035159 | 1080307 | 2050778 | 1014612 | 236640  | 1016323 |
| 1068673 | 1000631 | 790124  | 781859  | 748164  | 1068578 | 1029796 | 1063065 | 1014378 | 1043533 |
| 736923  | 1043995 | 748163  | 1068215 | 387486  | 1055392 | 2043024 | 1088130 | 733403  | 2051581 |
| 1055334 | 1023819 | 777912  | 736361  | 236285  | 383161  | 371113  | 1076881 | 1016329 | 354871  |
| 1048565 | 782063  | 381432  | 2048768 | 302047  | 2050843 | 202812  | 741283  | 373821  | 1072365 |
| 1001520 | 1047694 | 1056522 | 1053789 | 748132  | 2049886 | 783759  | 746718  | 1070477 | 1048323 |
| 1065771 | 1056465 | 1000249 | 1053736 | 1023661 | 1069494 | 387489  | 705713  | 298168  | 1035927 |
| 2048048 | 1019203 | 1034439 | 1075664 | 1060636 | 236277  | 1001669 | 1075257 | 1082780 | 1040784 |
| 251863  | 1025520 | 1070330 | 2037239 | 1073231 | 738714  | 1043654 | 733473  | 2036722 | 1076887 |
| 1061119 | 1043236 | 2051730 | 2050229 | 1087537 | 738724  | 776363  | 785424  | 1088117 | 2051505 |
| 1023666 | 1015959 | 1062843 | 1086508 | 1075835 | 738733  | 1048311 | 2052402 | 2047576 | 1057066 |
| 748095  | 1058136 | 1043661 | 1075567 | 1070487 | 735534  | 1060441 | 782838  | 251905  | 198175  |
| 2039572 | 784572  | 16192   | 1006607 | 802906  | 1046072 | 1060943 | 778003  | 805785  | 1029246 |
| 734775  | 1082392 | 737787  | 1003943 | 1062910 | 1006590 | 1084001 | 705645  | 736723  | 1082875 |
| 1048869 | 1073229 | 2049695 | 1010183 | 1018913 | 1082488 | 1001533 | 755135  | 208281  | 379644  |
| 784283  | 1040391 | 785899  | 2048851 | 2047328 | 1054570 | 1082316 | 1065564 | 1052858 | 1085695 |
| 1035634 | 1024185 | 1029893 | 1019110 | 158475  | 1087996 | 1060651 | 803452  | 2049575 | 791698  |
| 1023805 | 1024186 | 147571  | 742724  | 1088036 | 799231  | 1040781 | 236133  | 803296  | 1020494 |
| 1060634 | 1085139 | 1052860 | 748646  | 767029  | 1019204 | 1029894 | 805163  | 2049175 | 746480  |
| 362266  | 1042172 | 2048954 | 1062459 | 1075873 | 382421  | 1078351 | 1087122 | 1060250 | 1065627 |
| 748097  | 803396  | 1075544 | 254071  | 751183  | 1024455 | 60235   | 358170  | 208394  | 1065629 |
| 1067204 | 784926  | 1047692 | 1055097 | 797766  | 203468  | 2049579 | 765306  | 1044848 | 1048674 |
| 369462  | 1049596 | 1075897 | 733802  | 750934  | 777599  | 750668  | 1080946 | 1040787 | 1075539 |
| 1007186 | 786072  | 1066500 | 383206  | 748141  | 1059037 | 778667  | 1020944 | 1074669 | 1006612 |
| 203597  | 1062463 | 135720  | 746507  | 754894  | 733402  | 1065628 | 2048666 | 763411  | 9480    |
| 2051184 | 1062464 | 1052302 | 1048730 | 737501  | 1070476 | 1065631 | 251860  | 202253  | 1017988 |
| 1029565 | 1062465 | 799138  | 197116  | 1088034 | 1065547 | 1029619 | 735545  | 737492  | 285766  |
| 1024161 | 803051  | 777445  | 1060226 | 1070405 | 1054560 | 1029620 | 765735  | 1055398 | 1048871 |
| 790377  | 264923  | 165506  | 1018928 | 746717  | 777444  | 1060949 | 765736  | 737133  | 1019141 |
| 1019199 | 1082643 | 1060652 | 783328  | 1029617 | 1023823 | 208426  | 790354  | 2050267 | 387206  |
| 737361  | 1016201 | 2048256 | 197993  | 1048322 | 1007187 | 1042664 | 1048320 | 1024357 | 802920  |
| 252082  | 1059295 | 1025543 | 1073938 | 1048325 | 1075146 | 1087999 | 1052521 | 1015822 | 1053780 |
| 403963  | 1060904 | 806870  | 1016581 | 381145  | 304199  | 794447  | 787995  | 1018979 | 1070438 |
| 1072734 | 791703  | 1085140 | 1029815 | 1062827 | 777443  | 1082876 | 700262  | 729969  | 1051475 |
| 1065521 | 748712  | 219428  | 788878  | 735268  | 1052800 | 1007569 | 1059915 | 1071886 | 1063015 |
| 1052310 | 1006617 | 748153  | 1083547 | 2046023 | 373804  | 789951  | 368903  | 1034360 | 1074149 |
| 98508   | 2037248 | 1070411 | 748134  | 729811  | 1046316 | 763345  | 2047359 | 403958  | 748170  |
| 1069087 | 1062400 | 1020642 | 1029783 | 1087242 | 1083393 | 194697  | 1014416 | 733407  | 742421  |
| 281458  | 1022445 | 1050431 | 1025534 | 1062454 | 285161  | 1006878 | 1062456 | 252299  | 254343  |
| 1037094 | 2043914 | 175497  | 158491  | 1062452 | 270747  | 784661  | 1062457 | 1066503 | 202811  |
| 1006584 | 1082456 | 1047691 | 1048669 | 1062453 | 1020951 | 1003944 | 1062458 | 737124  | 1043245 |
| 735270  | 1010039 | 1036290 | 1043712 | 1051466 | 1043693 | 1077743 | 1070479 | 1086542 | 1023855 |
| 1048326 | 1088039 | 219508  | 2044936 | 1082393 | 806371  | 1048513 | 802226  | 194601  | 1051467 |
| 403943  | 748131  | 1029607 | 2047711 | 741304  | 1044006 | 1077770 | 379555  | 1043994 | 736722  |
| 1042844 | 1063017 | 1046039 | 357256  | 98474   | 735391  | 1025591 | 1075267 | 763408  | 2046006 |
| 1040794 | 264921  | 783384  | 1014331 | 2049087 | 740673  | 1077791 | 1079479 | 1049917 | 1040817 |
| 1075217 | 2043023 | 802915  | 736384  | 1070950 | 1020545 | 49209   | 745438  | 2049291 | 64475   |
| 1001985 | 2043710 | 54377   | 766394  | 1046323 | 1018976 | 799137  | 2043917 | 1036294 | 254449  |
| 2049998 | 1079477 | 1013829 | 1023820 | 1036637 | 1055393 | 800799  | 791975  | 1075260 | 1040398 |
| 390412  | 733285  | 1082443 | 179190  | 1048342 | 734502  | 1015895 | 1085769 | 1004449 | 1014824 |
| 1029813 | 1061855 | 2051698 | 802225  | 1043526 | 1087541 | 1073821 | 1083909 | 150666  | 802577  |
| 2048015 | 1029631 | 1029616 | 1075546 | 357059  | 1006619 | 158476  | 769302  | 1013357 | 1034359 |
| 2048762 | 358184  | 799133  | 2037240 | 762096  | 135639  | 738968  | 782315  | 215754  | 737536  |
| 1042663 | 1004085 | 1070273 | 789596  | 1080945 | 264837  | 738969  | 1074635 | 2051019 | 1075256 |
| 735429  | 803397  | 2051728 | 1024424 | 1010159 | 1004068 | 738971  | 1074636 | 1070486 | 782319  |
| 736726  | 781379  | 767771  | 172760  | 252078  | 1004069 | 98482   | 1043576 | 1067277 | 1060230 |
| 1019200 | 1088057 | 1073824 | 734504  | 1051373 | 1004070 | 1025517 | 1043577 | 5269    | 63552   |
| 799130  | 1023665 | 1073825 | 806004  | 6462    | 1082276 | 1088037 | 1040819 | 210498  | 796001  |
| 1014379 | 1070425 | 379715  | 1016265 | 1015892 | 251907  | 355459  | 1065522 | 807238  | 1067205 |
| 1052286 | 147544  | 2051045 | 2049086 | 1070432 | 1051439 | 251915  | 305678  | 379557  | 1067206 |
| 748157  | 1085138 | 1073935 | 1082041 | 1070426 | 754890  | 1029053 | 1063941 | 1086505 | 1013311 |
| 1063014 | 801922  | 1018631 | 1010142 | 1083583 | 750291  | 1007982 | 1016254 | 1020236 | 1016310 |
| 2048798 | 219452  | 2048799 | 361428  | 1020534 | 1066910 | 765689  | 2049021 | 755366  | 735789  |
| 1058834 | 1086504 | 1053783 | 752544  | 204306  | 735478  | 1023195 | 1042004 | 1086543 | 1070315 |
| 1025604 | 1070410 | 1055368 | 1071793 | 1060677 | 389273  | 2052054 | 1088002 | 2048985 | 795845  |
| 1053383 | 102353  | 386678  | 743651  | 2047365 | 1049582 | 2047363 | 1014830 | 801897  | 1053782 |
| 1029814 | 2051555 | 738288  | 1055383 | 756544  | 2049951 | 1088051 | 1084804 | 796074  | 2050503 |



**Annex 18.1**

## Tangible Assets Life Science

|         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 746510  | 1014330 | 2046185 | 741302  | 1042171 | 735189  | 2051867 | 67912   | 1006602 |
| 1029812 | 1037138 | 713204  | 225621  | 251928  | 358165  | 353246  | 1088093 | 1060664 |
| 797642  | 1059952 | 2048767 | 799134  | 1070470 | 759330  | 304743  | 1088094 | 386677  |
| 1084803 | 2051390 | 194452  | 1010586 | 1024467 | 2048766 | 189538  | 1037140 | 141143  |
| 807237  | 2047789 | 712511  | 2043916 | 389864  | 1049899 | 765871  | 1037139 |         |
| 262931  | 749025  | 1043702 | 1051509 | 1059297 | 1070474 | 803400  | 1062839 |         |
| 2048760 |         |         |         |         |         |         |         |         |

## **Annex 19.2**

### Receivables Life Science

**I. Trade accounts receivable Life Science from affiliated companies**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008710      | 31.08.2003   | 3.492.765,98                                                                           |
| 5200005514      | 31.05.2003   | -3.096.649,03                                                                          |
| 5200004244      | 31.03.2004   | 2.590.659,85                                                                           |
| 5200001218      | 31.01.2003   | -2.179.463,98                                                                          |
| 5200012958      | 30.11.2003   | -2.072.872,08                                                                          |
| 5200011529      | 30.09.2002   | -1.848.500,23                                                                          |
| 6000142699      | 16.07.2003   | 1.803.305,17                                                                           |
| 5200005547      | 30.04.2004   | -1.787.005,94                                                                          |
| 5200004452      | 30.04.2003   | -1.705.866,41                                                                          |
| 5200014010      | 31.12.2003   | -1.650.133,67                                                                          |
| 6000120311      | 23.06.2003   | 1.564.825,43                                                                           |
| 5200001263      | 31.01.2004   | 1.556.721,42                                                                           |
| 6000163104      | 18.08.2003   | 1.509.740,68                                                                           |
| 4500001217      | 17.02.2003   | 1.498.273,16                                                                           |
| 2600000391      | 16.06.2003   | 1.413.131,05                                                                           |
| 5200002930      | 29.02.2004   | -1.339.668,94                                                                          |
| 5200014527      | 31.12.2002   | -1.273.389,47                                                                          |
| 5000001609      | 25.10.2017   | 1.221.111,42                                                                           |
| 6000011111      | 15.01.2004   | 1.202.418,68                                                                           |
| 5000002001      | 31.12.2017   | 1.174.939,34                                                                           |
| 5200000833      | 31.01.2005   | 1.123.308,01                                                                           |
| 5200004243      | 31.03.2004   | 1.109.454,12                                                                           |
| 5200012684      | 31.12.2004   | -1.075.817,42                                                                          |
| 5200005500      | 31.05.2003   | -1.008.407,48                                                                          |
| 6000207008      | 15.10.2003   | -999.611,21                                                                            |
| 5200010483      | 30.09.2004   | -988.023,08                                                                            |
| 5200011528      | 31.10.2003   | 983.323,57                                                                             |
| 5200003413      | 31.03.2003   | -975.100,59                                                                            |
| 5200003357      | 30.04.2005   | 969.785,66                                                                             |
| 2600030903      | 09.05.2005   | -968.501,09                                                                            |
| 5000000870      | 30.06.2002   | 932.910,52                                                                             |
| 5000000873      | 30.06.2002   | -932.910,52                                                                            |
| 6000228485      | 17.11.2003   | -888.852,92                                                                            |
| 5200005548      | 30.04.2004   | -883.564,96                                                                            |
| 5200006538      | 30.06.2003   | 830.521,72                                                                             |
| 2781997         | 01.09.1992   | 826.141,59                                                                             |
| 2781949         | 31.08.1992   | -826.141,59                                                                            |
| 5200007417      | 30.06.2002   | -809.261,23                                                                            |
| 5200000834      | 31.01.2005   | 783.558,57                                                                             |
| 5200010043      | 30.09.2003   | -773.803,40                                                                            |
| 6000185431      | 16.09.2003   | -772.549,35                                                                            |
| 6000150854      | 15.07.2004   | 752.999,77                                                                             |
| 6000076510      | 15.04.2003   | 748.918,39                                                                             |
| 6000245227      | 19.11.2002   | 732.002,13                                                                             |
| 2600000567      | 16.12.2002   | 724.590,65                                                                             |
| 6000078376      | 15.04.2004   | -692.962,03                                                                            |
| 2783460         | 01.10.1992   | 679.981,97                                                                             |
| 2783411         | 30.09.1992   | -679.981,97                                                                            |
| 5200010317      | 31.08.2002   | 676.049,81                                                                             |
| 2766264         | 01.01.1992   | 674.923,83                                                                             |
| 2766225         | 31.12.1991   | -674.923,83                                                                            |
| 5200004439      | 30.04.2003   | -660.295,56                                                                            |
| 6000214958      | 15.10.2002   | 656.883,25                                                                             |
| 5200033411      | 31.12.2015   | -654.837,63                                                                            |
| 5200005513      | 31.05.2003   | -648.230,15                                                                            |
| 6000012616      | 17.01.2005   | 645.549,81                                                                             |
| 5200001255      | 31.01.2003   | -634.342,84                                                                            |
| 5000002350      | 31.12.2017   | 634.059,01                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200032026      | 30.11.2016   | 633.860,73                                                                             |
| 2774620         | 01.07.1992   | 625.998,70                                                                             |
| 2774583         | 30.06.1992   | -625.998,70                                                                            |
| 5200007409      | 31.10.2008   | 624.070,76                                                                             |
| 6000052511      | 15.03.2004   | 623.752,32                                                                             |
| 6000008560      | 15.01.2003   | 613.845,06                                                                             |
| 2707772         | 03.04.1995   | 612.034,63                                                                             |
| 2707771         | 31.03.1995   | -612.034,63                                                                            |
| 5200006538      | 30.06.2003   | -605.231,60                                                                            |
| 5200001755      | 28.02.2005   | -597.717,66                                                                            |
| 6000144678      | 23.07.2003   | 595.836,89                                                                             |
| 5200017049      | 31.05.2017   | -561.008,37                                                                            |
| 5200001754      | 28.02.2005   | -558.562,34                                                                            |
| 2708580         | 02.05.1995   | 546.520,99                                                                             |
| 2708579         | 30.04.1995   | -546.520,99                                                                            |
| 6000097566      | 15.05.2003   | 537.113,66                                                                             |
| 5000001995      | 31.12.2017   | 520.302,20                                                                             |
| 5200006799      | 31.05.2004   | -516.683,63                                                                            |
| 5200023731      | 31.07.2017   | -510.861,36                                                                            |
| 6000056428      | 17.03.2003   | 508.138,15                                                                             |
| 2776002         | 01.08.1992   | 494.511,98                                                                             |
| 2775964         | 31.07.1992   | -494.511,98                                                                            |
| 5200008888      | 31.07.2004   | -492.333,73                                                                            |
| 6000227613      | 15.10.2004   | 490.321,17                                                                             |
| 2745849         | 03.11.1997   | 480.592,60                                                                             |
| 2745848         | 31.10.1997   | -480.592,60                                                                            |
| 6000251280      | 15.12.2003   | 465.607,28                                                                             |
| 5200005309      | 01.09.2001   | 458.282,86                                                                             |
| 5200005155      | 31.08.2001   | -458.282,86                                                                            |
| 5200014565      | 31.12.2002   | -447.754,81                                                                            |
| 5200028998      | 31.10.2016   | 445.973,89                                                                             |
| 2500003174      | 15.07.2002   | 444.769,76                                                                             |
| 5200007558      | 31.07.2003   | 444.123,92                                                                             |
| 6000080991      | 23.04.2003   | 435.590,05                                                                             |
| 2742374         | 31.07.1997   | 433.295,41                                                                             |
| 2742375         | 01.08.1997   | -433.295,41                                                                            |
| 5200009682      | 31.08.2004   | 427.667,37                                                                             |
| 5200020767      | 30.06.2017   | -411.418,35                                                                            |
| 5200012723      | 31.10.2002   | -408.468,63                                                                            |
| 5200013902      | 30.11.2002   | -401.129,95                                                                            |
| 2742286         | 31.07.1997   | 387.282,28                                                                             |
| 2742287         | 01.08.1997   | -387.282,28                                                                            |
| 2700882         | 01.07.1994   | 382.511,90                                                                             |
| 2700881         | 30.06.1994   | -382.511,90                                                                            |
| 5200006754      | 31.05.2002   | -381.399,24                                                                            |
| 6000057473      | 24.03.2003   | 380.978,39                                                                             |
| 6000088940      | 15.04.2005   | 378.476,57                                                                             |
| 2701598         | 01.01.2001   | 375.865,17                                                                             |
| 2701597         | 31.12.2000   | -375.865,17                                                                            |
| 5200012827      | 30.04.2017   | -374.606,11                                                                            |
| 2786411         | 01.12.1992   | 374.297,60                                                                             |
| 2786371         | 30.11.1992   | -374.297,60                                                                            |
| 6000031251      | 16.02.2004   | 372.653,55                                                                             |
| 2500000378      | 21.04.2016   | 366.072,16                                                                             |
| 5200002081      | 31.01.2017   | -365.488,55                                                                            |
| 5200008030      | 30.06.2004   | 365.486,39                                                                             |
| 5200012685      | 31.12.2004   | -363.909,42                                                                            |
| 5200002321      | 28.02.2003   | 358.759,61                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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| 5200003574      | 31.05.2010   | 352.860,88                                                                             |
| 5200012187      | 30.11.2004   | -349.156,09                                                                            |
| 5200009382      | 31.07.2002   | 348.472,21                                                                             |
| 5000001035      | 31.07.2002   | -348.472,21                                                                            |
| 5200031350      | 30.11.2015   | 348.262,08                                                                             |
| 5200033410      | 31.12.2015   | -346.907,35                                                                            |
| 5200007880      | 31.03.2016   | -343.883,52                                                                            |
| 2767151         | 31.03.1999   | 342.546,35                                                                             |
| 2767152         | 01.04.1999   | -342.546,35                                                                            |
| 6000171744      | 15.08.2002   | 338.703,93                                                                             |
| 2743359         | 31.08.1997   | 338.419,19                                                                             |
| 2743360         | 01.09.1997   | -338.419,19                                                                            |
| 6000102539      | 17.05.2004   | -337.750,55                                                                            |
| 2706524         | 01.03.1995   | 336.893,71                                                                             |
| 2706523         | 28.02.1995   | -336.893,71                                                                            |
| 2736649         | 03.03.1997   | 333.170,45                                                                             |
| 2736648         | 28.02.1997   | -333.170,45                                                                            |
| 5200010484      | 30.09.2004   | -332.933,66                                                                            |
| 5200003399      | 31.03.2003   | -330.598,40                                                                            |
| 2736558         | 28.02.1997   | 329.707,60                                                                             |
| 2736559         | 03.03.1997   | -329.707,60                                                                            |
| 2764500         | 02.12.1991   | 314.878,25                                                                             |
| 2764463         | 30.11.1991   | -314.878,25                                                                            |
| 5200003356      | 30.04.2005   | 312.917,09                                                                             |
| 2737751         | 01.04.1997   | 310.106,48                                                                             |
| 2737750         | 31.03.1997   | -310.106,48                                                                            |
| 2744589         | 30.09.1997   | 303.830,07                                                                             |
| 2744590         | 01.10.1997   | -303.830,07                                                                            |
| 5200005499      | 31.05.2003   | -297.897,49                                                                            |
| 2738810         | 30.04.1997   | 296.661,31                                                                             |
| 2738811         | 02.05.1997   | -296.661,31                                                                            |
| 2761948         | 01.10.1991   | 296.008,06                                                                             |
| 2761903         | 30.09.1991   | -296.008,06                                                                            |
| 2743449         | 31.08.1997   | 294.788,02                                                                             |
| 2743450         | 01.09.1997   | -294.788,02                                                                            |
| 5200008536      | 31.12.2008   | -294.019,97                                                                            |
| 2737684         | 31.03.1997   | 292.096,99                                                                             |
| 2737685         | 01.04.1997   | -292.096,99                                                                            |
| 5200006526      | 30.06.2003   | -291.746,94                                                                            |
| 5200005299      | 01.09.2001   | 290.445,82                                                                             |
| 5200005145      | 31.08.2001   | -290.445,82                                                                            |
| 5200013879      | 31.05.2016   | 290.169,96                                                                             |
| 5200005964      | 31.08.2008   | 288.355,46                                                                             |
| 6000126224      | 19.06.2002   | 287.256,30                                                                             |
| 2732016         | 31.01.1997   | 280.293,19                                                                             |
| 2732017         | 03.02.1997   | -280.293,19                                                                            |
| 2741024         | 30.06.1997   | 280.148,19                                                                             |
| 2741025         | 01.07.1997   | -280.148,19                                                                            |
| 2736548         | 28.02.1997   | 277.324,29                                                                             |
| 2736549         | 03.03.1997   | -277.324,29                                                                            |
| 2709481         | 01.06.1995   | 277.068,10                                                                             |
| 2709480         | 31.05.1995   | -277.068,10                                                                            |
| 6000107068      | 24.05.2004   | -276.535,90                                                                            |
| 5200011305      | 31.10.2004   | 273.723,86                                                                             |
| 2700482         | 01.06.1994   | 273.320,43                                                                             |
| 2700481         | 31.05.1994   | -273.320,43                                                                            |
| 2784856         | 02.11.1992   | 272.877,21                                                                             |
| 2784813         | 31.10.1992   | -272.877,21                                                                            |
| 5200006133      | 30.09.2010   | -270.154,66                                                                            |
| 5200003965      | 29.02.2016   | -261.624,64                                                                            |
| 5200010088      | 30.09.2003   | -258.472,16                                                                            |

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| 2703278         | 01.11.1994   | 258.262,87                                                                             |
| 2703277         | 31.10.1994   | -258.262,87                                                                            |
| 2739845         | 31.05.1997   | 257.930,48                                                                             |
| 2739846         | 02.06.1997   | -257.930,48                                                                            |
| 2744686         | 01.10.1997   | 256.071,28                                                                             |
| 2744685         | 30.09.1997   | -256.071,28                                                                            |
| 2749494         | 31.01.1998   | 255.778,42                                                                             |
| 2749495         | 02.02.1998   | -255.778,42                                                                            |
| 2767274         | 03.02.1992   | 255.387,50                                                                             |
| 2767237         | 31.01.1992   | -255.387,50                                                                            |
| 2731994         | 31.01.1997   | 254.804,20                                                                             |
| 2731995         | 03.02.1997   | -254.804,20                                                                            |
| 6000035706      | 21.02.2003   | 252.451,77                                                                             |
| 5200005543      | 30.04.2002   | -252.354,36                                                                            |
| 5200004872      | 31.07.2010   | -251.087,13                                                                            |
| 5200007444      | 30.06.2002   | -249.673,22                                                                            |
| 6000037935      | 15.02.2005   | -246.136,08                                                                            |
| 2773190         | 01.06.1992   | 244.655,09                                                                             |
| 2773152         | 31.05.1992   | -244.655,09                                                                            |
| 5200042043      | 31.12.2017   | 242.940,73                                                                             |
| 5200027563      | 31.08.2017   | -242.316,63                                                                            |
| 5200000820      | 31.01.2009   | 242.234,55                                                                             |
| 2736694         | 28.02.1997   | 239.786,09                                                                             |
| 2736695         | 03.03.1997   | -239.786,09                                                                            |
| 2701417         | 01.08.1994   | 239.177,17                                                                             |
| 2701416         | 31.07.1994   | -239.177,17                                                                            |
| 2724885         | 01.08.1996   | 238.759,60                                                                             |
| 2724884         | 31.07.1996   | -238.759,60                                                                            |
| 2738912         | 30.04.1997   | 234.678,28                                                                             |
| 2738913         | 02.05.1997   | -234.678,28                                                                            |
| 5200013998      | 31.12.2003   | -234.468,20                                                                            |
| 6000082545      | 22.04.2004   | -233.584,05                                                                            |
| 6000198734      | 17.09.2002   | -232.659,11                                                                            |
| 5200005559      | 31.05.2003   | -231.846,62                                                                            |
| 5200009124      | 31.07.2002   | 226.119,94                                                                             |
| 2743448         | 01.09.1997   | 225.896,71                                                                             |
| 2743447         | 31.08.1997   | -225.896,71                                                                            |
| 5200034050      | 31.12.2016   | 225.582,44                                                                             |
| 5200005919      | 01.10.2001   | 225.138,74                                                                             |
| 5200005760      | 30.09.2001   | -225.138,74                                                                            |
| 9515115741      | 17.07.2017   | 223.978,50                                                                             |
| 6000161902      | 02.08.2002   | 223.769,30                                                                             |
| 2763261         | 01.11.1991   | 223.683,55                                                                             |
| 2763225         | 31.10.1991   | -223.683,55                                                                            |
| 9515128653      | 21.07.2017   | 222.756,15                                                                             |
| 9515398731      | 17.11.2017   | -221.801,20                                                                            |
| 2789978         | 02.05.1994   | 221.055,06                                                                             |
| 2789977         | 30.04.1994   | -221.055,06                                                                            |
| 2736650         | 28.02.1997   | 218.001,35                                                                             |
| 2736651         | 03.03.1997   | -218.001,35                                                                            |
| 2737752         | 31.03.1997   | 217.298,29                                                                             |
| 2737753         | 01.04.1997   | -217.298,29                                                                            |
| 5200004501      | 30.04.2003   | -215.929,36                                                                            |
| 2730895         | 02.01.1997   | 215.626,53                                                                             |
| 2730894         | 31.12.1996   | -215.626,53                                                                            |
| 2722551         | 31.05.1996   | 212.935,92                                                                             |
| 2722552         | 03.06.1996   | -212.935,92                                                                            |
| 5200006597      | 30.06.2003   | 211.956,12                                                                             |
| 5200014054      | 31.12.2003   | -211.495,59                                                                            |
| 5200006785      | 31.05.2002   | -211.222,59                                                                            |
| 2732131         | 03.02.1997   | 210.699,45                                                                             |

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| 2732130         | 31.01.1997   | -210.699,45                                                                            |
| 5200010032      | 30.09.2003   | -207.758,83                                                                            |
| 2737816         | 31.03.1997   | 206.788,41                                                                             |
| 2737817         | 01.04.1997   | -206.788,41                                                                            |
| 5200005121      | 28.02.2017   | 206.716,17                                                                             |
| 5200004050      | 01.08.2001   | 206.324,60                                                                             |
| 5200003896      | 31.07.2001   | -206.324,60                                                                            |
| 2787114         | 31.08.2000   | 204.880,02                                                                             |
| 2787115         | 01.09.2000   | -204.880,02                                                                            |
| 5200011304      | 31.10.2004   | 204.590,25                                                                             |
| 5200005542      | 31.05.2003   | -203.896,73                                                                            |
| 2708604         | 02.05.1995   | 203.394,06                                                                             |
| 2708603         | 30.04.1995   | -203.394,06                                                                            |
| 5200005569      | 31.05.2003   | -201.891,87                                                                            |
| 2789478         | 05.04.1994   | 201.664,87                                                                             |
| 2789477         | 31.03.1994   | -201.664,87                                                                            |
| 2721397         | 30.04.1996   | 200.470,47                                                                             |
| 2721398         | 02.05.1996   | -200.470,47                                                                            |
| 2702567         | 04.10.1994   | 200.291,10                                                                             |
| 2702566         | 30.09.1994   | -200.291,10                                                                            |
| 2769551         | 31.05.1999   | 199.886,99                                                                             |
| 2769552         | 01.06.1999   | -199.886,99                                                                            |
| 2753149         | 04.05.1998   | 199.672,67                                                                             |
| 2753148         | 30.04.1998   | -199.672,67                                                                            |
| 2787692         | 01.10.1993   | 199.337,72                                                                             |
| 2787691         | 30.09.1993   | -199.337,72                                                                            |
| 2500002262      | 05.08.2005   | -197.251,69                                                                            |
| 2705105         | 31.03.2001   | 196.157,27                                                                             |
| 2705106         | 01.04.2001   | -196.157,27                                                                            |
| 5200006515      | 30.06.2003   | -195.922,11                                                                            |
| 2707792         | 03.04.1995   | 193.562,62                                                                             |
| 2707791         | 31.03.1995   | -193.562,62                                                                            |
| 5200001548      | 31.01.2002   | 193.205,90                                                                             |
| 5200001711      | 01.02.2002   | -193.205,90                                                                            |
| 5200006667      | 30.09.2008   | 193.167,57                                                                             |
| 6000158667      | 31.07.2002   | 188.076,12                                                                             |
| 5200002320      | 28.02.2003   | 187.860,84                                                                             |
| 5200008887      | 31.07.2004   | -187.229,06                                                                            |
| 2742373         | 01.08.1997   | 186.839,11                                                                             |
| 2742372         | 31.07.1997   | -186.839,11                                                                            |
| 2741120         | 30.06.1997   | 185.700,86                                                                             |
| 2741121         | 01.07.1997   | -185.700,86                                                                            |
| 2726114         | 02.09.1996   | 184.991,26                                                                             |
| 2726113         | 31.08.1996   | -184.991,26                                                                            |
| 6000012118      | 20.01.2004   | 184.481,36                                                                             |
| 5200004056      | 31.05.2005   | 183.305,45                                                                             |
| 2770092         | 01.04.1992   | 182.078,53                                                                             |
| 2770055         | 31.03.1992   | -182.078,53                                                                            |
| 5200004506      | 30.04.2003   | 181.951,40                                                                             |
| 5200007449      | 30.06.2002   | -181.205,92                                                                            |
| 2723657         | 30.06.1996   | 180.372,43                                                                             |
| 2723658         | 01.07.1996   | -180.372,43                                                                            |
| 6000102484      | 26.05.2003   | 179.423,00                                                                             |
| 5200006781      | 31.05.2002   | -179.183,35                                                                            |
| 2765693         | 28.02.1999   | 178.751,00                                                                             |
| 2765694         | 01.03.1999   | -178.751,00                                                                            |
| 5200002154      | 30.06.2001   | 178.636,37                                                                             |
| 5200002341      | 01.07.2001   | -178.636,37                                                                            |
| 5200002123      | 31.05.2001   | 178.330,72                                                                             |
| 5200001944      | 01.06.2001   | -178.330,72                                                                            |
| 5200002303      | 28.02.2003   | -177.625,53                                                                            |

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| 5200008515      | 31.03.2017   | -175.776,56                                                                            |
| 5200028517      | 31.10.2015   | 175.492,41                                                                             |
| 2787191         | 02.08.1993   | 171.000,00                                                                             |
| 2787190         | 31.07.1993   | -171.000,00                                                                            |
| 5200008764      | 31.08.2003   | 170.814,18                                                                             |
| 2710424         | 03.07.1995   | 170.716,31                                                                             |
| 2710423         | 30.06.1995   | -170.716,31                                                                            |
| 5200005564      | 31.05.2003   | -170.709,76                                                                            |
| 2705873         | 01.02.1995   | 170.203,93                                                                             |
| 2705872         | 31.01.1995   | -170.203,93                                                                            |
| 5200009124      | 31.07.2002   | -169.658,27                                                                            |
| 2500002754      | 17.06.2002   | 168.978,56                                                                             |
| 2768731         | 03.03.1992   | 168.797,01                                                                             |
| 2768699         | 29.02.1992   | -168.797,01                                                                            |
| 2701940         | 01.09.1994   | 168.663,22                                                                             |
| 2701939         | 31.08.1994   | -168.663,22                                                                            |
| 5200002321      | 28.02.2003   | -166.798,68                                                                            |
| 5200009996      | 01.11.2001   | 166.796,79                                                                             |
| 5200009642      | 31.10.2001   | -166.796,79                                                                            |
| 2747058         | 01.12.1997   | 166.704,40                                                                             |
| 2747057         | 30.11.1997   | -166.704,40                                                                            |
| 6000039843      | 25.02.2004   | 165.392,46                                                                             |
| 2664323         | 04.01.1993   | 164.901,66                                                                             |
| 2664322         | 31.12.1992   | -164.901,66                                                                            |
| 2721363         | 30.04.1996   | 157.682,81                                                                             |
| 2721364         | 02.05.1996   | -157.682,81                                                                            |
| 2500000377      | 21.04.2016   | 157.325,07                                                                             |
| 5200006799      | 31.05.2004   | 157.303,26                                                                             |
| 6000223547      | 11.11.2003   | 157.065,81                                                                             |
| 5200004875      | 31.07.2010   | -156.727,94                                                                            |
| 2787068         | 31.08.2000   | 155.823,63                                                                             |
| 2787069         | 01.09.2000   | -155.823,63                                                                            |
| 5200006770      | 31.05.2002   | -155.450,12                                                                            |
| 2754269         | 02.06.1998   | 154.974,47                                                                             |
| 2754268         | 31.05.1998   | -154.974,47                                                                            |
| 5200005540      | 30.04.2002   | -153.411,42                                                                            |
| 5200012207      | 30.11.2004   | -152.484,96                                                                            |
| 5200009683      | 31.08.2004   | 151.722,12                                                                             |
| 2665699         | 01.03.1993   | 151.447,73                                                                             |
| 2665698         | 28.02.1993   | -151.447,73                                                                            |
| 2782432         | 30.04.2000   | 151.429,96                                                                             |
| 2782433         | 02.05.2000   | -151.429,96                                                                            |
| 2789325         | 31.10.2000   | 151.402,49                                                                             |
| 2789326         | 01.11.2000   | -151.402,49                                                                            |
| 5200022436      | 31.08.2015   | -148.971,84                                                                            |
| 6000139330      | 05.07.2002   | 148.062,13                                                                             |
| 5200002820      | 28.02.2002   | 147.924,87                                                                             |
| 5200002994      | 01.03.2002   | -147.924,87                                                                            |
| 2784772         | 03.07.2000   | 147.527,41                                                                             |
| 2784771         | 30.06.2000   | -147.527,41                                                                            |
| 5200001253      | 31.01.2004   | 147.122,62                                                                             |
| 5200000860      | 31.01.2005   | 145.886,66                                                                             |
| 5200003463      | 31.03.2003   | -144.973,99                                                                            |
| 5200031257      | 30.09.2017   | 144.953,35                                                                             |
| 5200003732      | 31.05.2009   | -144.108,89                                                                            |
| 5200016166      | 30.06.2016   | -143.971,69                                                                            |
| 2722505         | 31.05.1996   | 143.575,02                                                                             |
| 2722506         | 03.06.1996   | -143.575,02                                                                            |
| 2782478         | 30.04.2000   | 142.782,58                                                                             |
| 2782479         | 02.05.2000   | -142.782,58                                                                            |
| 6000400547      | 17.11.2008   | -141.722,03                                                                            |

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| 5200006526      | 30.06.2003   | 140.863,07                                                                             |
| 2779146         | 31.01.2000   | 140.764,16                                                                             |
| 2779147         | 01.02.2000   | -140.764,16                                                                            |
| 5200007447      | 30.06.2002   | -136.521,47                                                                            |
| 5200006587      | 30.06.2003   | 136.087,20                                                                             |
| 2667432         | 01.05.1993   | 135.823,96                                                                             |
| 2667431         | 30.04.1993   | -135.823,96                                                                            |
| 6000121874      | 25.06.2003   | 135.593,23                                                                             |
| 5200005516      | 31.08.2010   | 135.514,68                                                                             |
| 2750765         | 28.02.1998   | 135.310,61                                                                             |
| 2750766         | 02.03.1998   | -135.310,61                                                                            |
| 5200002261      | 31.03.2008   | -135.151,22                                                                            |
| 2666503         | 01.04.1993   | 134.825,18                                                                             |
| 2666502         | 31.03.1993   | -134.825,18                                                                            |
| 5200004451      | 30.04.2003   | -134.814,51                                                                            |
| 6000166730      | 25.08.2003   | 134.604,31                                                                             |
| 2717859         | 31.01.1996   | 134.360,41                                                                             |
| 2717860         | 01.02.1996   | -134.360,41                                                                            |
| 5200001813      | 31.05.2001   | 134.272,70                                                                             |
| 5200001992      | 01.06.2001   | -134.272,70                                                                            |
| 5200002294      | 31.03.2009   | -133.177,73                                                                            |
| 2779190         | 31.01.2000   | 132.513,87                                                                             |
| 2779191         | 01.02.2000   | -132.513,87                                                                            |
| 6000123647      | 15.06.2004   | -132.238,75                                                                            |
| 5200002343      | 28.02.2003   | -132.050,79                                                                            |
| 2745850         | 31.10.1997   | 131.910,99                                                                             |
| 2745851         | 03.11.1997   | -131.910,99                                                                            |
| 5200000833      | 31.01.2005   | -130.796,61                                                                            |
| 2780392         | 29.02.2000   | 130.248,43                                                                             |
| 2780393         | 01.03.2000   | -130.248,43                                                                            |
| 2748234         | 02.01.1998   | 129.549,05                                                                             |
| 2748233         | 31.12.1997   | -129.549,05                                                                            |
| 2708598         | 02.05.1995   | 129.045,48                                                                             |
| 2708597         | 30.04.1995   | -129.045,48                                                                            |
| 5200037164      | 31.12.2001   | 129.008,02                                                                             |
| 5000001031      | 31.07.2002   | 128.916,08                                                                             |
| 5200009378      | 31.07.2002   | -128.916,08                                                                            |
| 2729647         | 30.11.1996   | 128.856,13                                                                             |
| 2729648         | 02.12.1996   | -128.856,13                                                                            |
| 2755374         | 01.07.1998   | 128.448,80                                                                             |
| 2755373         | 30.06.1998   | -128.448,80                                                                            |
| 5200004042      | 01.08.2001   | 128.073,91                                                                             |
| 5200003888      | 31.07.2001   | -128.073,91                                                                            |
| 5200002252      | 31.03.2008   | -127.544,42                                                                            |
| 2701640         | 01.01.2001   | 127.137,63                                                                             |
| 2701639         | 31.12.2000   | -127.137,63                                                                            |
| 5200007490      | 30.11.2010   | 126.878,97                                                                             |
| 5200011329      | 31.10.2004   | -126.618,53                                                                            |
| 2707786         | 03.04.1995   | 126.425,99                                                                             |
| 2707785         | 31.03.1995   | -126.425,99                                                                            |
| 5200000830      | 31.01.2010   | 126.286,45                                                                             |
| 6000129876      | 24.06.2004   | 125.612,81                                                                             |
| 5200003443      | 31.03.2003   | -124.693,44                                                                            |
| 5200002363      | 28.02.2003   | -124.605,60                                                                            |
| 5200008698      | 31.08.2003   | 124.299,93                                                                             |
| 5200007447      | 31.10.2005   | -124.298,87                                                                            |
| 5200014064      | 31.12.2003   | -123.282,18                                                                            |
| 5200022437      | 31.08.2015   | -123.201,98                                                                            |
| 2748235         | 31.12.1997   | 123.126,47                                                                             |
| 2748236         | 02.01.1998   | -123.126,47                                                                            |
| 2780348         | 29.02.2000   | 122.829,61                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2780349         | 01.03.2000   | -122.829,61                                                                            |
| 5200009760      | 31.08.2004   | -122.058,66                                                                            |
| 5200004236      | 31.03.2004   | 122.001,18                                                                             |
| 5200002744      | 30.04.2006   | -121.684,36                                                                            |
| 5200010029      | 30.09.2003   | -121.017,40                                                                            |
| 5200012994      | 30.11.2003   | -120.884,94                                                                            |
| 2786940         | 01.07.1993   | 120.633,64                                                                             |
| 2786939         | 30.06.1993   | -120.633,64                                                                            |
| 6000200920      | 15.09.2004   | 119.785,21                                                                             |
| 2788568         | 03.01.1994   | 118.759,97                                                                             |
| 2788567         | 31.12.1993   | -118.759,97                                                                            |
| 5200002541      | 31.03.2005   | -118.541,76                                                                            |
| 5200005506      | 31.05.2003   | -118.427,10                                                                            |
| 2752048         | 01.04.1998   | 117.699,98                                                                             |
| 2752047         | 31.03.1998   | -117.699,98                                                                            |
| 5200001715      | 31.01.2015   | 117.638,18                                                                             |
| 6000157184      | 24.07.2002   | 117.404,97                                                                             |
| 2730746         | 31.12.1996   | 117.243,16                                                                             |
| 2730747         | 02.01.1997   | -117.243,16                                                                            |
| 5200002205      | 30.06.2001   | 116.985,57                                                                             |
| 5200002392      | 01.07.2001   | -116.985,57                                                                            |
| 6000232472      | 21.11.2003   | 116.209,23                                                                             |
| 5200001248      | 31.01.2003   | -114.863,26                                                                            |
| 5200013999      | 31.12.2003   | -114.175,22                                                                            |
| 5200007445      | 30.06.2002   | -114.114,69                                                                            |
| 5200036445      | 30.11.2001   | 113.942,78                                                                             |
| 5200036629      | 01.12.2001   | -113.942,78                                                                            |
| 5200012723      | 31.10.2002   | 113.926,65                                                                             |
| 5200008218      | 30.11.2005   | 113.514,07                                                                             |
| 5200002572      | 31.03.2005   | -112.892,65                                                                            |
| 2732178         | 31.01.1997   | 112.825,19                                                                             |
| 2732179         | 03.02.1997   | -112.825,19                                                                            |
| 5200004293      | 31.03.2004   | 111.799,91                                                                             |
| 5200012946      | 30.11.2003   | -110.788,86                                                                            |
| 2781485         | 31.03.2000   | 109.586,39                                                                             |
| 2781486         | 03.04.2000   | -109.586,39                                                                            |
| 5200003400      | 31.03.2003   | -109.193,30                                                                            |
| 6000185412      | 22.09.2003   | -109.092,23                                                                            |
| 5200007559      | 31.07.2003   | -107.835,02                                                                            |
| 6000093554      | 13.05.2003   | 107.384,05                                                                             |
| 5200025788      | 30.09.2016   | -107.068,14                                                                            |
| 2736547         | 03.03.1997   | 106.343,59                                                                             |
| 2736546         | 28.02.1997   | -106.343,59                                                                            |
| 5200005539      | 30.04.2004   | 106.033,07                                                                             |
| 6000176196      | 05.09.2003   | 105.783,92                                                                             |
| 2787994         | 01.11.1993   | 105.756,01                                                                             |
| 2787993         | 31.10.1993   | -105.756,01                                                                            |
| 6000109276      | 21.05.2002   | 105.251,66                                                                             |
| 2771781         | 04.05.1992   | 105.185,05                                                                             |
| 2771746         | 30.04.1992   | -105.185,05                                                                            |
| 6000417744      | 24.11.2008   | -105.086,93                                                                            |
| 6000009481      | 15.01.2004   | 104.760,93                                                                             |
| 5200012188      | 30.11.2004   | -104.175,03                                                                            |
| 2749493         | 02.02.1998   | 104.101,20                                                                             |
| 2749492         | 31.01.1998   | -104.101,20                                                                            |
| 5200008755      | 31.08.2003   | 104.067,93                                                                             |
| 2710446         | 03.07.1995   | 103.966,60                                                                             |
| 2710445         | 30.06.1995   | -103.966,60                                                                            |
| 5200014561      | 31.12.2002   | -103.796,20                                                                            |
| 5200002922      | 29.02.2004   | 103.726,29                                                                             |
| 2783699         | 05.06.2000   | 103.489,91                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2783698         | 31.05.2000   | -103.489,91                                                                            |
| 5200002360      | 28.02.2003   | -102.996,90                                                                            |
| 2701544         | 01.01.2001   | 102.935,11                                                                             |
| 2701543         | 31.12.2000   | -102.935,11                                                                            |
| 5200006836      | 30.09.2005   | 102.248,93                                                                             |
| 2759224         | 31.07.1991   | 101.866,44                                                                             |
| 2759189         | 01.08.1991   | 101.866,44                                                                             |
| 2759877         | 01.08.1991   | 101.866,44                                                                             |
| 2759154         | 31.07.1991   | -101.866,44                                                                            |
| 2759838         | 31.07.1991   | -101.866,44                                                                            |
| 2759263         | 01.08.1991   | -101.866,44                                                                            |
| 5200004292      | 31.03.2002   | -101.580,74                                                                            |
| 5200001786      | 31.05.2001   | 101.002,18                                                                             |
| 5200001965      | 01.06.2001   | -101.002,18                                                                            |
| 2788187         | 30.09.2000   | 100.910,40                                                                             |
| 2788188         | 02.10.2000   | -100.910,40                                                                            |
| 6000029100      | 11.02.2004   | 100.871,27                                                                             |
| 6000232310      | 15.07.2010   | -100.726,89                                                                            |
| 2727277         | 30.09.1996   | 100.725,02                                                                             |
| 2727278         | 01.10.1996   | -100.725,02                                                                            |
| 5200006525      | 30.06.2003   | 100.340,66                                                                             |
| 2706536         | 01.03.1995   | 100.332,82                                                                             |
| 2706535         | 28.02.1995   | -100.332,82                                                                            |
| 2707840         | 03.04.1995   | 100.121,66                                                                             |
| 2707839         | 31.03.1995   | -100.121,66                                                                            |
| 2788289         | 01.12.1993   | 100.052,00                                                                             |
| 2788288         | 30.11.1993   | -100.052,00                                                                            |
| 5200007558      | 31.07.2003   | -99.841,75                                                                             |
| 5200001511      | 28.02.2010   | 99.624,09                                                                              |
| 6000243331      | 03.12.2003   | -99.419,54                                                                             |
| 2742332         | 31.07.1997   | 98.766,62                                                                              |
| 2742333         | 01.08.1997   | -98.766,62                                                                             |
| 5200011327      | 31.10.2004   | -98.097,12                                                                             |
| 5200000863      | 31.01.2005   | 97.599,31                                                                              |
| 2756763         | 03.08.1998   | 97.207,82                                                                              |
| 2756762         | 31.07.1998   | -97.207,82                                                                             |
| 2770863         | 30.06.1999   | 97.188,86                                                                              |
| 2770864         | 01.07.1999   | -97.188,86                                                                             |
| 5200011623      | 31.05.2012   | 97.075,96                                                                              |
| 6000070246      | 09.04.2003   | 96.478,42                                                                              |
| 6000070252      | 09.04.2003   | 96.313,83                                                                              |
| 5200004480      | 30.04.2003   | -95.997,39                                                                             |
| 2709511         | 01.06.1995   | 95.988,59                                                                              |
| 2709510         | 31.05.1995   | -95.988,59                                                                             |
| 2700518         | 30.11.2000   | 95.783,53                                                                              |
| 2700519         | 01.12.2000   | -95.783,53                                                                             |
| 2300002546      | 05.08.2003   | -95.685,51                                                                             |
| 2706540         | 01.03.1995   | 95.637,84                                                                              |
| 2706539         | 28.02.1995   | -95.637,84                                                                             |
| 5200004496      | 30.04.2003   | -94.853,95                                                                             |
| 6000019118      | 23.01.2002   | -94.702,64                                                                             |
| 5200004048      | 31.05.2005   | 94.480,58                                                                              |
| 2787418         | 01.09.1993   | 94.317,76                                                                              |
| 2787417         | 31.08.1993   | -94.317,76                                                                             |
| 5200001304      | 31.01.2004   | 94.245,48                                                                              |
| 5200015598      | 30.09.2011   | 94.023,33                                                                              |
| 2730772         | 31.12.1996   | 93.864,43                                                                              |
| 2730773         | 02.01.1997   | -93.864,43                                                                             |
| 5200013944      | 30.11.2002   | 93.859,66                                                                              |
| 5200006142      | 30.09.2007   | -93.649,76                                                                             |
| 5200008699      | 31.08.2003   | 93.412,00                                                                              |

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| 5200010043      | 30.09.2003   | 93.338,50                                                                              |
| 5200013003      | 30.11.2003   | 92.988,50                                                                              |
| 5200006153      | 30.09.2007   | -92.914,53                                                                             |
| 2500002615      | 22.11.2010   | 92.861,95                                                                              |
| 6000211337      | 22.10.2003   | 92.797,94                                                                              |
| 5000001609      | 25.10.2017   | 92.522,37                                                                              |
| 2701776         | 01.01.2001   | 92.269,56                                                                              |
| 2701775         | 31.12.2000   | -92.269,56                                                                             |
| 5200006809      | 31.10.2010   | -91.935,19                                                                             |
| 5200005963      | 31.08.2008   | 91.878,76                                                                              |
| 5200004430      | 30.06.2008   | -91.870,53                                                                             |
| 2752049         | 31.03.1998   | 91.666,11                                                                              |
| 2752050         | 01.04.1998   | -91.666,11                                                                             |
| 2500003327      | 29.12.2008   | -91.215,90                                                                             |
| 5200012953      | 30.11.2003   | -91.182,68                                                                             |
| 5200001263      | 31.01.2004   | -91.005,75                                                                             |
| 5200001001      | 31.01.2016   | -91.005,53                                                                             |
| 2789373         | 31.10.2000   | 90.643,73                                                                              |
| 2789374         | 01.11.2000   | -90.643,73                                                                             |
| 2744687         | 30.09.1997   | 90.564,77                                                                              |
| 2744688         | 01.10.1997   | -90.564,77                                                                             |
| 5200006792      | 31.05.2004   | -89.606,74                                                                             |
| 5200005538      | 30.04.2004   | 89.506,00                                                                              |
| 6000013298      | 22.01.2003   | 89.409,07                                                                              |
| 5200004225      | 31.03.2004   | 88.959,89                                                                              |
| 6000269670      | 30.11.2004   | 88.875,06                                                                              |
| 5200009157      | 31.07.2002   | 88.091,08                                                                              |
| 5200001754      | 28.02.2005   | 88.003,74                                                                              |
| 2772486         | 02.08.1999   | 88.001,44                                                                              |
| 2772485         | 31.07.1999   | -88.001,44                                                                             |
| 2731993         | 03.02.1997   | 87.742,78                                                                              |
| 2731992         | 31.01.1997   | -87.742,78                                                                             |
| 5200002565      | 31.03.2005   | 87.519,35                                                                              |
| 5200007408      | 31.10.2008   | 87.305,10                                                                              |
| 6000093552      | 13.05.2003   | 87.215,21                                                                              |
| 5200004058      | 31.05.2005   | -86.379,01                                                                             |
| 2711397         | 01.08.1995   | 85.995,73                                                                              |
| 2711396         | 31.07.1995   | -85.995,73                                                                             |
| 5200008030      | 30.06.2004   | -85.980,34                                                                             |
| 5200010038      | 30.09.2003   | -85.873,16                                                                             |
| 6000006915      | 10.01.2005   | 85.806,74                                                                              |
| 2782526         | 30.04.2000   | 85.802,16                                                                              |
| 2782527         | 02.05.2000   | -85.802,16                                                                             |
| 2742413         | 01.08.1997   | 85.452,41                                                                              |
| 2742412         | 31.07.1997   | -85.452,41                                                                             |
| 2750764         | 02.03.1998   | 85.428,48                                                                              |
| 2750763         | 28.02.1998   | -85.428,48                                                                             |
| 2783644         | 31.05.2000   | 84.840,00                                                                              |
| 2783645         | 05.06.2000   | -84.840,00                                                                             |
| 2717819         | 31.01.1996   | 84.509,02                                                                              |
| 2717820         | 01.02.1996   | -84.509,02                                                                             |
| 5200005568      | 31.05.2003   | -84.352,91                                                                             |
| 2708650         | 02.05.1995   | 84.340,84                                                                              |
| 2708649         | 30.04.1995   | -84.340,84                                                                             |
| 5200004478      | 30.04.2003   | -84.280,11                                                                             |
| 5200011453      | 30.04.2015   | -84.208,02                                                                             |
| 2777938         | 31.12.1999   | 84.046,68                                                                              |
| 2777939         | 03.01.2000   | -84.046,68                                                                             |
| 5200007288      | 30.11.2006   | -83.536,05                                                                             |
| 2668244         | 01.06.1993   | 83.306,58                                                                              |
| 2668243         | 31.05.1993   | -83.306,58                                                                             |

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| 5200010033      | 30.09.2003   | -83.217,94                                                                             |
| 5200008705      | 31.08.2003   | 82.917,31                                                                              |
| 2785907         | 31.07.2000   | 82.863,60                                                                              |
| 2785908         | 01.08.2000   | -82.863,60                                                                             |
| 2727289         | 30.09.1996   | 82.760,92                                                                              |
| 2727290         | 01.10.1996   | -82.760,92                                                                             |
| 2713281         | 02.10.1995   | 82.448,83                                                                              |
| 2713280         | 30.09.1995   | -82.448,83                                                                             |
| 2723617         | 30.06.1996   | 82.409,36                                                                              |
| 2723618         | 01.07.1996   | -82.409,36                                                                             |
| 6000059173      | 26.03.2003   | 82.193,84                                                                              |
| 5200012709      | 31.12.2004   | -82.143,58                                                                             |
| 5200001553      | 29.02.2008   | -81.887,47                                                                             |
| 5200005580      | 30.04.2004   | -81.812,54                                                                             |
| 5200006539      | 30.06.2003   | 81.778,02                                                                              |
| 2717818         | 01.02.1996   | 81.268,30                                                                              |
| 2717817         | 31.01.1996   | -81.268,30                                                                             |
| 5200000106      | 30.04.2001   | 81.033,44                                                                              |
| 5200000279      | 01.05.2001   | -81.033,44                                                                             |
| 6000121373      | 20.06.2003   | 80.591,96                                                                              |
| 5200006787      | 31.05.2002   | 80.387,23                                                                              |
| 5200002567      | 31.03.2005   | 80.310,27                                                                              |
| 5200003849      | 31.07.2001   | 80.192,52                                                                              |
| 5200004003      | 01.08.2001   | -80.192,52                                                                             |
| 5200007886      | 31.03.2016   | -79.148,07                                                                             |
| 6000439360      | 15.12.2008   | -79.144,21                                                                             |
| 2500002745      | 20.06.2002   | 78.911,87                                                                              |
| 5200019017      | 30.11.2011   | 78.136,53                                                                              |
| 2500002909      | 13.11.2008   | -77.986,03                                                                             |
| 2736620         | 28.02.1997   | 77.937,25                                                                              |
| 2736621         | 03.03.1997   | -77.937,25                                                                             |
| 5200002910      | 29.02.2004   | 77.778,84                                                                              |
| 5200002133      | 31.05.2001   | 77.746,24                                                                              |
| 5200001954      | 01.06.2001   | -77.746,24                                                                             |
| 2712338         | 01.09.1995   | 77.729,45                                                                              |
| 2712337         | 31.08.1995   | -77.729,45                                                                             |
| 5200007539      | 30.11.2007   | -77.724,52                                                                             |
| 2714193         | 01.11.1995   | 77.423,55                                                                              |
| 2714192         | 31.10.1995   | -77.423,55                                                                             |
| 5200005263      | 01.09.2001   | 77.350,35                                                                              |
| 5200005109      | 31.08.2001   | -77.350,35                                                                             |
| 5200001782      | 28.02.2005   | -76.903,38                                                                             |
| 5200005872      | 01.10.2001   | 76.575,40                                                                              |
| 5200005713      | 30.09.2001   | -76.575,40                                                                             |
| 2709569         | 01.06.1995   | 76.525,56                                                                              |
| 2709568         | 31.05.1995   | -76.525,56                                                                             |
| 2702726         | 01.02.2001   | 76.378,14                                                                              |
| 2702725         | 31.01.2001   | -76.378,14                                                                             |
| 5200012767      | 31.10.2002   | 76.299,31                                                                              |
| 5200002979      | 29.02.2004   | 76.076,86                                                                              |
| 2729683         | 30.11.1996   | 75.577,01                                                                              |
| 2729684         | 02.12.1996   | -75.577,01                                                                             |
| 2714165         | 01.11.1995   | 75.542,12                                                                              |
| 2714164         | 31.10.1995   | -75.542,12                                                                             |
| 5200012210      | 30.11.2004   | -75.492,00                                                                             |
| 5200005513      | 30.04.2002   | 75.225,30                                                                              |
| 5200000829      | 31.01.2005   | 75.111,91                                                                              |
| 5200003441      | 31.03.2003   | -75.102,85                                                                             |
| 2711441         | 01.08.1995   | 75.001,03                                                                              |
| 2711440         | 31.07.1995   | -75.001,03                                                                             |
| 5200002259      | 31.03.2008   | -74.427,49                                                                             |

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| 2664979         | 01.02.1993   | 74.402,93                                                                              |
| 2664978         | 31.01.1993   | -74.402,93                                                                             |
| 2708632         | 02.05.1995   | 74.282,93                                                                              |
| 2708631         | 30.04.1995   | -74.282,93                                                                             |
| 2700569         | 01.12.2000   | 74.052,25                                                                              |
| 2700568         | 30.11.2000   | -74.052,25                                                                             |
| 2743403         | 31.08.1997   | 73.916,86                                                                              |
| 2743404         | 01.09.1997   | -73.916,86                                                                             |
| 2724919         | 01.08.1996   | 73.773,72                                                                              |
| 2724918         | 31.07.1996   | -73.773,72                                                                             |
| 5200007431      | 30.06.2002   | -73.459,74                                                                             |
| 2703841         | 01.03.2001   | 73.189,36                                                                              |
| 2703840         | 28.02.2001   | -73.189,36                                                                             |
| 2742492         | 31.07.1997   | 73.188,70                                                                              |
| 2742493         | 01.08.1997   | -73.188,70                                                                             |
| 2703896         | 28.02.2001   | 73.186,31                                                                              |
| 2703897         | 01.03.2001   | -73.186,31                                                                             |
| 6000131111      | 03.07.2003   | 72.840,10                                                                              |
| 5200007219      | 31.03.2015   | 72.839,24                                                                              |
| 2756797         | 03.08.1998   | 72.829,19                                                                              |
| 2756796         | 31.07.1998   | -72.829,19                                                                             |
| 2727313         | 30.09.1996   | 72.645,85                                                                              |
| 2727314         | 01.10.1996   | -72.645,85                                                                             |
| 5200003082      | 30.04.2008   | 72.628,37                                                                              |
| 5200002541      | 31.03.2005   | 72.433,22                                                                              |
| 2721515         | 30.04.1996   | 72.292,68                                                                              |
| 2721516         | 02.05.1996   | -72.292,68                                                                             |
| 2710482         | 03.07.1995   | 72.227,34                                                                              |
| 2710481         | 30.06.1995   | -72.227,34                                                                             |
| 5200001798      | 31.05.2001   | 72.182,02                                                                              |
| 5200001977      | 01.06.2001   | -72.182,02                                                                             |
| 2720229         | 31.03.1996   | 71.939,78                                                                              |
| 2720230         | 01.04.1996   | -71.939,78                                                                             |
| 5200008689      | 31.08.2003   | 71.705,28                                                                              |
| 2741149         | 01.07.1997   | 71.661,99                                                                              |
| 2741148         | 30.06.1997   | -71.661,99                                                                             |
| 6000285626      | 15.12.2004   | 71.610,55                                                                              |
| 5200008390      | 31.12.2009   | 71.572,41                                                                              |
| 2703298         | 01.11.1994   | 71.423,10                                                                              |
| 2703297         | 31.10.1994   | -71.423,10                                                                             |
| 9515305261      | 09.10.2017   | 70.954,10                                                                              |
| 2737815         | 01.04.1997   | 70.722,21                                                                              |
| 2737814         | 31.03.1997   | -70.722,21                                                                             |
| 5200014560      | 31.12.2002   | -70.710,83                                                                             |
| 2719168         | 29.02.1996   | 70.676,93                                                                              |
| 2719169         | 01.03.1996   | -70.676,93                                                                             |
| 6000022969      | 04.02.2004   | 70.658,16                                                                              |
| 2759254         | 01.10.1998   | 70.633,18                                                                              |
| 2759253         | 30.09.1998   | -70.633,18                                                                             |
| 5200005495      | 31.05.2003   | -70.407,59                                                                             |
| 5200012712      | 31.12.2004   | -70.155,72                                                                             |
| 5200007546      | 31.07.2003   | 70.139,50                                                                              |
| 2782626         | 30.04.2000   | 70.130,88                                                                              |
| 2782627         | 02.05.2000   | -70.130,88                                                                             |
| 2754311         | 02.06.1998   | 69.767,73                                                                              |
| 2754310         | 31.05.1998   | -69.767,73                                                                             |
| 5200003077      | 30.04.2008   | 69.752,34                                                                              |
| 6000283186      | 14.12.2004   | 69.750,34                                                                              |
| 5200012943      | 30.11.2003   | -69.616,74                                                                             |
| 2500003930      | 31.08.2003   | 69.583,46                                                                              |
| 5200010223      | 30.04.2016   | -69.501,14                                                                             |

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| 2713311         | 02.10.1995   | 69.499,54                                                                              |
| 2713310         | 30.09.1995   | -69.499,54                                                                             |
| 2500001575      | 22.06.2009   | 69.423,58                                                                              |
| 5200007881      | 31.03.2016   | 69.379,59                                                                              |
| 5200014010      | 31.12.2003   | 69.312,08                                                                              |
| 5200008535      | 31.12.2008   | -69.227,88                                                                             |
| 5200004292      | 31.03.2002   | 69.162,07                                                                              |
| 2704109         | 01.12.1994   | 69.112,03                                                                              |
| 2704108         | 30.11.1994   | -69.112,03                                                                             |
| 2707824         | 03.04.1995   | 68.966,97                                                                              |
| 2707823         | 31.03.1995   | -68.966,97                                                                             |
| 5200006790      | 31.05.2004   | -68.709,93                                                                             |
| 2739941         | 31.05.1997   | 68.668,30                                                                              |
| 2739942         | 02.06.1997   | -68.668,30                                                                             |
| 9515405281      | 21.11.2017   | 68.543,33                                                                              |
| 2709549         | 01.06.1995   | 68.529,43                                                                              |
| 2709548         | 31.05.1995   | -68.529,43                                                                             |
| 5200000736      | 31.01.2006   | -68.392,00                                                                             |
| 5200006593      | 30.06.2003   | 68.110,34                                                                              |
| 5200022871      | 31.08.2016   | -67.999,62                                                                             |
| 5200014567      | 31.12.2002   | 67.738,20                                                                              |
| 5200006878      | 31.10.2007   | -67.686,96                                                                             |
| 5200012209      | 30.11.2004   | -67.279,75                                                                             |
| 5200004692      | 30.06.2005   | 67.203,72                                                                              |
| 5200006820      | 31.05.2004   | -67.011,64                                                                             |
| 5200000834      | 31.01.2005   | -67.005,69                                                                             |
| 2760748         | 01.09.1991   | 66.888,05                                                                              |
| 2760711         | 31.08.1991   | -66.888,05                                                                             |
| 5200002931      | 30.04.2010   | 66.783,86                                                                              |
| 5200001545      | 29.02.2008   | -66.685,49                                                                             |
| 5200003075      | 30.04.2008   | 66.643,09                                                                              |
| 2500000996      | 05.03.2003   | 66.420,43                                                                              |
| 2747059         | 30.11.1997   | 66.217,15                                                                              |
| 2747060         | 01.12.1997   | -66.217,15                                                                             |
| 2732100         | 31.01.1997   | 66.144,01                                                                              |
| 2732101         | 03.02.1997   | -66.144,01                                                                             |
| 2747084         | 01.12.1997   | 66.100,75                                                                              |
| 2747083         | 30.11.1997   | -66.100,75                                                                             |
| 5200004320      | 31.03.2002   | 66.059,33                                                                              |
| 2785851         | 31.07.2000   | 65.979,25                                                                              |
| 2785852         | 01.08.2000   | -65.979,25                                                                             |
| 2789481         | 31.10.2000   | 65.976,93                                                                              |
| 2789482         | 01.11.2000   | -65.976,93                                                                             |
| 5200009165      | 31.07.2002   | 65.952,52                                                                              |
| 5200001281      | 31.01.2004   | 65.676,10                                                                              |
| 2706584         | 01.03.1995   | 65.581,43                                                                              |
| 2706583         | 28.02.1995   | -65.581,43                                                                             |
| 5200001805      | 31.05.2001   | 65.501,01                                                                              |
| 5200001984      | 01.06.2001   | -65.501,01                                                                             |
| 2711365         | 01.08.1995   | 65.284,61                                                                              |
| 2711364         | 31.07.1995   | -65.284,61                                                                             |
| 2701643         | 31.12.2000   | 65.105,60                                                                              |
| 2701644         | 01.01.2001   | -65.105,60                                                                             |
| 5200004695      | 30.06.2005   | 65.043,95                                                                              |
| 5200008066      | 30.06.2004   | 64.944,17                                                                              |
| 6000086819      | 27.04.2004   | -64.915,25                                                                             |
| 5200000095      | 30.04.2001   | 64.324,39                                                                              |
| 5200000268      | 01.05.2001   | -64.324,39                                                                             |
| 5200005489      | 31.05.2003   | -64.217,86                                                                             |
| 5200014005      | 31.12.2003   | -63.820,22                                                                             |
| 9515448824      | 08.12.2017   | 63.584,66                                                                              |

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| 2779350         | 31.01.2000   | 63.369,44                                                                              |
| 2779351         | 01.02.2000   | -63.369,44                                                                             |
| 5200000817      | 31.01.2009   | 63.193,65                                                                              |
| 5200013880      | 31.05.2016   | 63.100,82                                                                              |
| 2759396         | 01.10.1998   | 62.921,67                                                                              |
| 2759395         | 30.09.1998   | -62.921,67                                                                             |
| 5200001780      | 28.02.2005   | -62.652,80                                                                             |
| 5200006592      | 30.09.2009   | -62.447,12                                                                             |
| 2703350         | 01.11.1994   | 62.307,25                                                                              |
| 2703349         | 31.10.1994   | -62.307,25                                                                             |
| 5200005527      | 31.05.2003   | -62.269,44                                                                             |
| 5200007397      | 30.06.2002   | -62.256,46                                                                             |
| 5200037147      | 31.12.2001   | 62.223,78                                                                              |
| 2705045         | 31.03.2001   | 61.893,25                                                                              |
| 2705046         | 01.04.2001   | -61.893,25                                                                             |
| 2750802         | 02.03.1998   | 61.705,31                                                                              |
| 2750801         | 28.02.1998   | -61.705,31                                                                             |
| 5200005521      | 31.05.2003   | -61.407,88                                                                             |
| 5200005572      | 30.04.2004   | 61.347,92                                                                              |
| 2728427         | 31.10.1996   | 61.339,27                                                                              |
| 2728428         | 01.11.1996   | -61.339,27                                                                             |
| 5200025730      | 30.09.2015   | -61.331,23                                                                             |
| 5200006796      | 31.05.2004   | -61.304,17                                                                             |
| 2777980         | 31.12.1999   | 61.288,36                                                                              |
| 2777981         | 03.01.2000   | -61.288,36                                                                             |
| 2500002727      | 28.10.2008   | -61.265,80                                                                             |
| 5200037105      | 31.12.2001   | 61.044,50                                                                              |
| 2770865         | 30.06.1999   | 60.996,02                                                                              |
| 2770866         | 01.07.1999   | -60.996,02                                                                             |
| 2757963         | 01.09.1998   | 60.930,96                                                                              |
| 2757962         | 31.08.1998   | -60.930,96                                                                             |
| 2787121         | 01.09.2000   | 60.827,80                                                                              |
| 2787120         | 31.08.2000   | -60.827,80                                                                             |
| 6000107431      | 03.06.2003   | 60.735,54                                                                              |
| 5200009143      | 31.07.2002   | 60.701,60                                                                              |
| 5200001285      | 31.01.2004   | 60.658,49                                                                              |
| 5200010512      | 30.09.2004   | -60.598,33                                                                             |
| 5200004423      | 30.06.2008   | -60.597,77                                                                             |
| 5200004445      | 30.04.2003   | -60.581,57                                                                             |
| 5200005634      | 30.04.2011   | -60.569,08                                                                             |
| 5200014501      | 31.12.2002   | -60.487,16                                                                             |
| 6000211989      | 30.06.2010   | -60.204,32                                                                             |
| 2500001941      | 19.08.2010   | 60.178,49                                                                              |
| 5200006539      | 30.06.2003   | -60.007,38                                                                             |
| 5200002365      | 28.02.2003   | 59.746,39                                                                              |
| 2787160         | 31.08.2000   | 59.648,12                                                                              |
| 2787161         | 01.09.2000   | -59.648,12                                                                             |
| 2755412         | 01.07.1998   | 59.557,97                                                                              |
| 2755411         | 30.06.1998   | -59.557,97                                                                             |
| 5200010098      | 30.09.2003   | -59.488,73                                                                             |
| 5200011292      | 31.10.2004   | -59.477,92                                                                             |
| 2715225         | 01.12.1995   | 59.471,94                                                                              |
| 2715224         | 30.11.1995   | -59.471,94                                                                             |
| 2776048         | 31.10.1999   | 59.149,63                                                                              |
| 2776049         | 01.11.1999   | -59.149,63                                                                             |
| 2724920         | 31.07.1996   | 59.110,51                                                                              |
| 2724921         | 01.08.1996   | -59.110,51                                                                             |
| 5200028518      | 31.10.2015   | 58.933,94                                                                              |
| 5200002129      | 31.05.2001   | 58.908,15                                                                              |
| 5200001950      | 01.06.2001   | -58.908,15                                                                             |
| 2789130         | 01.03.1994   | 58.896,92                                                                              |

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| 2789129         | 28.02.1994   | -58.896,92                                                                             |
| 5200003964      | 29.02.2016   | -58.880,97                                                                             |
| 5200002122      | 31.05.2001   | 58.672,88                                                                              |
| 5200001943      | 01.06.2001   | -58.672,88                                                                             |
| 6000173041      | 03.09.2003   | -58.579,08                                                                             |
| 6000260122      | 13.12.2002   | -58.533,78                                                                             |
| 5200004426      | 30.04.2003   | -58.511,36                                                                             |
| 5200009167      | 31.07.2002   | 58.299,54                                                                              |
| 4000165730      | 22.05.2015   | -58.258,00                                                                             |
| 5200006822      | 31.05.2004   | -58.091,44                                                                             |
| 5200003392      | 31.05.2006   | -58.061,30                                                                             |
| 5200003383      | 30.04.2005   | 58.060,13                                                                              |
| 5200003386      | 30.04.2005   | 57.530,25                                                                              |
| 2764219         | 31.01.1999   | 57.374,53                                                                              |
| 2764220         | 01.02.1999   | -57.374,53                                                                             |
| 5200003395      | 31.05.2006   | -57.281,82                                                                             |
| 2500000376      | 21.04.2016   | 57.172,01                                                                              |
| 5200008735      | 31.08.2003   | 57.112,46                                                                              |
| 2743488         | 01.09.1997   | 57.024,34                                                                              |
| 2743487         | 31.08.1997   | -57.024,34                                                                             |
| 5200001285      | 28.02.2006   | 57.012,46                                                                              |
| 2500002084      | 18.07.2005   | -56.991,10                                                                             |
| 2781529         | 31.03.2000   | 56.894,07                                                                              |
| 2781530         | 03.04.2000   | -56.894,07                                                                             |
| 2745879         | 03.11.1997   | 56.839,36                                                                              |
| 2745878         | 31.10.1997   | -56.839,36                                                                             |
| 6000349517      | 07.10.2008   | -56.726,99                                                                             |
| 2500000438      | 17.02.2010   | -56.556,17                                                                             |
| 6000179263      | 02.06.2010   | -56.305,17                                                                             |
| 6000154237      | 05.08.2003   | 56.103,31                                                                              |
| 2700692         | 30.11.2000   | 56.023,93                                                                              |
| 2700693         | 01.12.2000   | -56.023,93                                                                             |
| 2709503         | 01.06.1995   | 55.652,83                                                                              |
| 2709502         | 31.05.1995   | -55.652,83                                                                             |
| 5200002222      | 31.03.2010   | 55.606,98                                                                              |
| 2788843         | 01.02.1994   | 55.320,92                                                                              |
| 2788842         | 31.01.1994   | -55.320,92                                                                             |
| 5200010050      | 30.09.2003   | -55.144,88                                                                             |
| 5200010354      | 31.08.2002   | -55.054,98                                                                             |
| 2600000007      | 03.01.2012   | 55.046,64                                                                              |
| 5200019873      | 31.12.2011   | -55.046,64                                                                             |
| 2705883         | 01.02.1995   | 54.998,91                                                                              |
| 2705882         | 31.01.1995   | -54.998,91                                                                             |
| 6000045955      | 07.03.2003   | -54.998,27                                                                             |
| 5200003465      | 31.03.2003   | -54.916,82                                                                             |
| 5200007395      | 30.06.2002   | -54.851,95                                                                             |
| 5200005220      | 31.07.2008   | 54.772,89                                                                              |
| 5200031352      | 30.11.2015   | 54.742,04                                                                              |
| 2789382         | 01.11.2000   | 54.740,09                                                                              |
| 2789381         | 31.10.2000   | -54.740,09                                                                             |
| 5200031351      | 30.11.2015   | 54.685,86                                                                              |
| 2724886         | 31.07.1996   | 54.440,46                                                                              |
| 2724887         | 01.08.1996   | -54.440,46                                                                             |
| 5200005545      | 30.04.2002   | 54.410,66                                                                              |
| 5200000817      | 31.01.2008   | -54.369,15                                                                             |
| 5200006884      | 31.10.2007   | -54.364,24                                                                             |
| 5200004481      | 30.04.2003   | -54.350,17                                                                             |
| 2726150         | 02.09.1996   | 54.341,09                                                                              |
| 2726149         | 31.08.1996   | -54.341,09                                                                             |
| 2754305         | 02.06.1998   | 54.283,95                                                                              |
| 2754304         | 31.05.1998   | -54.283,95                                                                             |

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| 2716855         | 31.12.1995   | 54.178,13                                                                              |
| 2716113         | 02.01.1996   | 54.178,13                                                                              |
| 2717279         | 02.01.1996   | 54.178,13                                                                              |
| 2716112         | 31.12.1995   | -54.178,13                                                                             |
| 2717278         | 31.12.1995   | -54.178,13                                                                             |
| 2716856         | 02.01.1996   | -54.178,13                                                                             |
| 2738911         | 02.05.1997   | 54.122,92                                                                              |
| 2738910         | 30.04.1997   | -54.122,92                                                                             |
| 6000002097      | 03.01.2003   | 53.892,29                                                                              |
| 2767102         | 31.03.1999   | 53.872,86                                                                              |
| 2767103         | 01.04.1999   | -53.872,86                                                                             |
| 5200013902      | 30.11.2002   | 53.858,02                                                                              |
| 5200008216      | 30.11.2005   | 53.817,22                                                                              |
| 5200007496      | 30.11.2010   | 53.798,07                                                                              |
| 2700950         | 01.07.1994   | 53.746,30                                                                              |
| 2700949         | 30.06.1994   | -53.746,30                                                                             |
| 2738842         | 30.04.1997   | 53.604,22                                                                              |
| 2738843         | 02.05.1997   | -53.604,22                                                                             |
| 2701493         | 01.08.1994   | 53.540,59                                                                              |
| 2701492         | 31.07.1994   | -53.540,59                                                                             |
| 6000045365      | 09.02.2015   | -53.427,13                                                                             |
| 6000112121      | 10.06.2003   | 53.366,60                                                                              |
| 4000423606      | 21.12.2016   | 53.353,26                                                                              |
| 5200001252      | 31.01.2004   | 53.310,46                                                                              |
| 5200001314      | 31.01.2004   | -53.259,99                                                                             |
| 5200000866      | 31.01.2005   | 53.203,58                                                                              |
| 6000456652      | 30.12.2008   | -53.089,86                                                                             |
| 5200008913      | 31.07.2004   | 52.862,26                                                                              |
| 2744633         | 30.09.1997   | 52.854,63                                                                              |
| 2744634         | 01.10.1997   | -52.854,63                                                                             |
| 5200011298      | 31.10.2004   | -52.850,48                                                                             |
| 2770799         | 30.06.1999   | 52.761,86                                                                              |
| 2770800         | 01.07.1999   | -52.761,86                                                                             |
| 6000080991      | 23.04.2003   | 52.694,68                                                                              |
| 6000379076      | 30.10.2008   | -52.529,59                                                                             |
| 5200013995      | 31.12.2003   | -52.343,04                                                                             |
| 2711389         | 01.08.1995   | 52.246,01                                                                              |
| 2711388         | 31.07.1995   | -52.246,01                                                                             |
| 2765671         | 28.02.1999   | 52.175,11                                                                              |
| 2765672         | 01.03.1999   | -52.175,11                                                                             |
| 5200005529      | 30.04.2002   | -52.128,15                                                                             |
| 5200005298      | 01.09.2001   | 52.079,18                                                                              |
| 5200005144      | 31.08.2001   | -52.079,18                                                                             |
| 6000280627      | 23.08.2010   | 52.069,78                                                                              |
| 6000255565      | 15.11.2004   | 51.921,57                                                                              |
| 2782487         | 02.05.2000   | 51.915,01                                                                              |
| 2782486         | 30.04.2000   | -51.915,01                                                                             |
| 6000296064      | 23.12.2004   | 51.833,82                                                                              |
| 6000070337      | 02.04.2004   | -51.778,29                                                                             |
| 5200002779      | 30.04.2007   | -51.575,67                                                                             |
| 2789509         | 31.10.2000   | 51.538,62                                                                              |
| 2789510         | 01.11.2000   | -51.538,62                                                                             |
| 2702782         | 01.02.2001   | 51.522,15                                                                              |
| 2702781         | 31.01.2001   | -51.522,15                                                                             |
| 2711469         | 01.08.1995   | 51.430,98                                                                              |
| 2711468         | 31.07.1995   | -51.430,98                                                                             |
| 2776100         | 31.10.1999   | 51.416,13                                                                              |
| 2776101         | 01.11.1999   | -51.416,13                                                                             |
| 5200019874      | 31.12.2011   | 51.368,96                                                                              |
| 5200006823      | 31.05.2004   | -51.363,00                                                                             |
| 5200002341      | 28.02.2003   | -51.303,98                                                                             |

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| 2741119         | 01.07.1997   | 51.191,11                                                                              |
| 2741118         | 30.06.1997   | -51.191,11                                                                             |
| 2765851         | 28.02.1999   | 51.182,96                                                                              |
| 2765852         | 01.03.1999   | -51.182,96                                                                             |
| 2745965         | 03.11.1997   | 51.029,52                                                                              |
| 2745964         | 31.10.1997   | -51.029,52                                                                             |
| 6000112054      | 10.06.2003   | 50.992,30                                                                              |
| 6000099396      | 21.05.2003   | 50.984,36                                                                              |
| 6000293772      | 22.12.2004   | 50.948,97                                                                              |
| 2719132         | 29.02.1996   | 50.784,28                                                                              |
| 2719133         | 01.03.1996   | -50.784,28                                                                             |
| 5200002186      | 30.06.2001   | 50.779,27                                                                              |
| 5200002373      | 01.07.2001   | -50.779,27                                                                             |
| 5200004428      | 30.06.2008   | -50.776,88                                                                             |
| 2500001993      | 08.07.2005   | -50.627,20                                                                             |
| 5200002299      | 28.02.2003   | -50.618,30                                                                             |
| 5200005569      | 30.04.2004   | 50.531,16                                                                              |
| 5200005269      | 01.09.2001   | 50.493,38                                                                              |
| 5200005115      | 31.08.2001   | -50.493,38                                                                             |
| 5200002352      | 01.07.2001   | 50.483,84                                                                              |
| 5200002165      | 30.06.2001   | -50.483,84                                                                             |
| 2730745         | 02.01.1997   | 50.371,87                                                                              |
| 2730744         | 31.12.1996   | -50.371,87                                                                             |
| 5200001927      | 31.03.2006   | -50.238,49                                                                             |
| 5200010060      | 30.09.2003   | -50.209,59                                                                             |
| 5200005878      | 01.10.2001   | 50.035,52                                                                              |
| 5200005719      | 30.09.2001   | -50.035,52                                                                             |
| 5200011334      | 31.10.2004   | 49.977,67                                                                              |
| 2781579         | 31.03.2000   | 49.954,69                                                                              |
| 2781580         | 03.04.2000   | -49.954,69                                                                             |
| 2737730         | 31.03.1997   | 49.870,38                                                                              |
| 2737731         | 01.04.1997   | -49.870,38                                                                             |
| 5200001198      | 31.01.2003   | -49.708,84                                                                             |
| 5200001955      | 01.06.2001   | 49.647,46                                                                              |
| 5200002134      | 31.05.2001   | -49.647,46                                                                             |
| 2710440         | 03.07.1995   | 49.574,04                                                                              |
| 2710439         | 30.06.1995   | -49.574,04                                                                             |
| 5200002185      | 30.06.2001   | 49.533,98                                                                              |
| 5200002372      | 01.07.2001   | -49.533,98                                                                             |
| 6000147726      | 29.07.2003   | 49.460,23                                                                              |
| 2702583         | 04.10.1994   | 49.397,55                                                                              |
| 2702582         | 30.09.1994   | -49.397,55                                                                             |
| 2701758         | 01.01.2001   | 49.294,33                                                                              |
| 2701757         | 31.12.2000   | -49.294,33                                                                             |
| 6000106992      | 02.06.2003   | 49.293,03                                                                              |
| 2710504         | 03.07.1995   | 49.267,12                                                                              |
| 2710503         | 30.06.1995   | -49.267,12                                                                             |
| 2781531         | 31.03.2000   | 49.145,96                                                                              |
| 2781532         | 03.04.2000   | -49.145,96                                                                             |
| 2712384         | 01.09.1995   | 49.134,52                                                                              |
| 2712383         | 31.08.1995   | -49.134,52                                                                             |
| 2728426         | 01.11.1996   | 48.943,09                                                                              |
| 2728425         | 31.10.1996   | -48.943,09                                                                             |
| 5200001797      | 31.05.2001   | 48.814,17                                                                              |
| 5200001976      | 01.06.2001   | -48.814,17                                                                             |
| 5200005495      | 30.04.2002   | -48.746,95                                                                             |
| 2776096         | 31.10.1999   | 48.729,90                                                                              |
| 2776097         | 01.11.1999   | -48.729,90                                                                             |
| 2737676         | 31.03.1997   | 48.484,81                                                                              |
| 2737677         | 01.04.1997   | -48.484,81                                                                             |
| 6000122142      | 13.06.2002   | 48.420,41                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2753185         | 04.05.1998   | 48.366,74                                                                              |
| 2753184         | 30.04.1998   | -48.366,74                                                                             |
| 2719131         | 01.03.1996   | 48.361,80                                                                              |
| 2719130         | 29.02.1996   | -48.361,80                                                                             |
| 5200012947      | 30.11.2003   | -48.339,77                                                                             |
| 2705093         | 31.03.2001   | 48.192,35                                                                              |
| 2705094         | 01.04.2001   | -48.192,35                                                                             |
| 2600000466      | 24.07.2003   | 48.171,18                                                                              |
| 2728461         | 31.10.1996   | 48.135,02                                                                              |
| 2728462         | 01.11.1996   | -48.135,02                                                                             |
| 2749525         | 02.02.1998   | 47.723,57                                                                              |
| 2749524         | 31.01.1998   | -47.723,57                                                                             |
| 2752080         | 01.04.1998   | 47.594,93                                                                              |
| 2752079         | 31.03.1998   | -47.594,93                                                                             |
| 5200006563      | 30.06.2003   | 47.560,91                                                                              |
| 5200009642      | 31.10.2001   | 47.495,44                                                                              |
| 5200009996      | 01.11.2001   | -47.495,44                                                                             |
| 5200009610      | 31.10.2001   | 47.425,41                                                                              |
| 5200009964      | 01.11.2001   | -47.425,41                                                                             |
| 5200002194      | 30.06.2001   | 47.224,39                                                                              |
| 5200002381      | 01.07.2001   | -47.224,39                                                                             |
| 5200003895      | 31.03.2011   | -47.101,49                                                                             |
| 2700892         | 01.07.1994   | 47.089,89                                                                              |
| 2700891         | 30.06.1994   | -47.089,89                                                                             |
| 2702980         | 01.02.2001   | 47.032,62                                                                              |
| 2702979         | 31.01.2001   | -47.032,62                                                                             |
| 6000084673      | 23.04.2002   | -47.007,82                                                                             |
| 2781677         | 31.03.2000   | 47.000,38                                                                              |
| 2781678         | 03.04.2000   | -47.000,38                                                                             |
| 2744722         | 01.10.1997   | 46.797,88                                                                              |
| 2744721         | 30.09.1997   | -46.797,88                                                                             |
| 2755420         | 01.07.1998   | 46.770,88                                                                              |
| 2755419         | 30.06.1998   | -46.770,88                                                                             |
| 5200010510      | 30.09.2004   | -46.707,86                                                                             |
| 5200004284      | 31.03.2004   | 46.707,20                                                                              |
| 2722527         | 31.05.1996   | 46.675,92                                                                              |
| 2722528         | 03.06.1996   | -46.675,92                                                                             |
| 2729646         | 02.12.1996   | 46.589,35                                                                              |
| 2729645         | 30.11.1996   | -46.589,35                                                                             |
| 5200004235      | 31.03.2004   | 46.589,22                                                                              |
| 2702783         | 31.01.2001   | 46.570,26                                                                              |
| 2702784         | 01.02.2001   | -46.570,26                                                                             |
| 2788231         | 30.09.2000   | 46.557,60                                                                              |
| 2788232         | 02.10.2000   | -46.557,60                                                                             |
| 5200004684      | 30.06.2005   | 46.555,40                                                                              |
| 4000143196      | 21.04.2016   | 46.541,65                                                                              |
| 4500000567      | 07.03.2008   | 46.427,18                                                                              |
| 5200002525      | 31.03.2005   | -46.368,04                                                                             |
| 5200033412      | 31.12.2015   | -46.338,94                                                                             |
| 5200001433      | 28.02.2007   | -46.239,57                                                                             |
| 5200001552      | 29.02.2008   | -46.220,34                                                                             |
| 2702639         | 04.10.1994   | 46.207,61                                                                              |
| 2702638         | 30.09.1994   | -46.207,61                                                                             |
| 2703372         | 01.11.1994   | 46.156,61                                                                              |
| 2703371         | 31.10.1994   | -46.156,61                                                                             |
| 5200012953      | 30.11.2003   | 46.132,25                                                                              |
| 2789353         | 31.10.2000   | 46.090,60                                                                              |
| 2789354         | 01.11.2000   | -46.090,60                                                                             |
| 5200004438      | 30.04.2003   | -46.064,70                                                                             |
| 5200000104      | 30.04.2001   | 45.973,68                                                                              |
| 5200000277      | 01.05.2001   | -45.973,68                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007435      | 30.06.2002   | -45.935,35                                                                             |
| 5000000874      | 30.06.2002   | 45.843,99                                                                              |
| 5000000871      | 30.06.2002   | -45.843,99                                                                             |
| 2767318         | 31.03.1999   | 45.824,71                                                                              |
| 2767319         | 01.04.1999   | -45.824,71                                                                             |
| 5200001786      | 28.02.2005   | 45.753,88                                                                              |
| 5200003704      | 29.02.2012   | -45.668,99                                                                             |
| 2702836         | 01.02.2001   | 45.663,50                                                                              |
| 2702835         | 31.01.2001   | -45.663,50                                                                             |
| 5200007882      | 31.03.2016   | -45.592,85                                                                             |
| 2500001530      | 28.06.2010   | -45.556,61                                                                             |
| 5200009192      | 31.05.2011   | 45.468,24                                                                              |
| 2723635         | 30.06.1996   | 45.398,59                                                                              |
| 2723636         | 01.07.1996   | -45.398,59                                                                             |
| 6000119499      | 20.06.2003   | 45.277,27                                                                              |
| 5200014549      | 31.12.2002   | -45.252,95                                                                             |
| 2701666         | 01.01.2001   | 45.069,90                                                                              |
| 2701665         | 31.12.2000   | -45.069,90                                                                             |
| 6000020118      | 30.01.2002   | -44.969,63                                                                             |
| 5200000830      | 31.01.2005   | 44.921,86                                                                              |
| 2774531         | 01.09.1999   | 44.882,60                                                                              |
| 2775373         | 01.10.1999   | -44.882,60                                                                             |
| 6000262347      | 31.12.2003   | 44.836,73                                                                              |
| 4500000350      | 27.01.2004   | 44.816,79                                                                              |
| 5200011552      | 31.10.2003   | 44.661,76                                                                              |
| 6000121984      | 19.04.2010   | -44.641,15                                                                             |
| 9513666700      | 29.09.2015   | 44.614,68                                                                              |
| 2500001056      | 23.10.2017   | 44.568,09                                                                              |
| 5200032029      | 30.11.2016   | 44.561,99                                                                              |
| 2717326         | 31.12.1995   | 44.421,01                                                                              |
| 2717327         | 02.01.1996   | -44.421,01                                                                             |
| 5200003406      | 31.03.2003   | -44.295,83                                                                             |
| 5200000838      | 31.01.2005   | 44.227,67                                                                              |
| 4500001039      | 28.04.2009   | -44.184,81                                                                             |
| 5200007398      | 30.06.2002   | -44.151,15                                                                             |
| 6000176553      | 23.08.2002   | 44.150,29                                                                              |
| 2739875         | 31.05.1997   | 44.142,80                                                                              |
| 2739876         | 02.06.1997   | -44.142,80                                                                             |
| 5200006567      | 30.06.2003   | 44.088,16                                                                              |
| 5200005499      | 30.04.2002   | -43.961,77                                                                             |
| 5200002265      | 31.03.2008   | -43.918,94                                                                             |
| 5200006736      | 31.05.2002   | -43.880,82                                                                             |
| 5200004461      | 30.04.2003   | -43.775,09                                                                             |
| 5200005275      | 01.09.2001   | 43.592,28                                                                              |
| 5200005121      | 31.08.2001   | -43.592,28                                                                             |
| 5200004459      | 30.04.2003   | -43.395,04                                                                             |
| 6000025507      | 31.01.2005   | 43.352,84                                                                              |
| 2778132         | 31.12.1999   | 43.276,00                                                                              |
| 2778133         | 03.01.2000   | -43.276,00                                                                             |
| 2600000539      | 18.08.2003   | 43.157,48                                                                              |
| 5200004461      | 30.04.2003   | 43.129,34                                                                              |
| 5200003391      | 31.03.2003   | -42.985,16                                                                             |
| 6000102535      | 17.05.2004   | -42.960,17                                                                             |
| 2500001256      | 17.06.2011   | 42.941,60                                                                              |
| 6000258902      | 18.11.2004   | 42.940,92                                                                              |
| 6000108548      | 03.06.2003   | 42.919,52                                                                              |
| 5200011576      | 31.10.2003   | 42.862,16                                                                              |
| 5200002931      | 29.02.2004   | 42.775,09                                                                              |
| 2755598         | 01.05.1991   | 42.698,65                                                                              |
| 5200000806      | 31.01.2008   | -42.544,15                                                                             |
| 5200005904      | 01.10.2001   | 42.485,51                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005745      | 30.09.2001   | -42.485,51                                                                             |
| 5200002160      | 30.06.2001   | 42.480,91                                                                              |
| 5200002347      | 01.07.2001   | -42.480,91                                                                             |
| 5200002931      | 29.02.2004   | -42.479,11                                                                             |
| 2783711         | 05.06.2000   | 42.477,99                                                                              |
| 2783710         | 31.05.2000   | -42.477,99                                                                             |
| 5200012765      | 31.10.2002   | 42.356,55                                                                              |
| 5200030834      | 31.12.2014   | 42.342,52                                                                              |
| 5200001738      | 28.02.2005   | 42.341,84                                                                              |
| 5200005484      | 31.05.2003   | -42.336,17                                                                             |
| 5200004815      | 31.07.2007   | -42.329,82                                                                             |
| 5200008538      | 31.12.2008   | -42.284,56                                                                             |
| 2739940         | 02.06.1997   | 42.244,87                                                                              |
| 2739939         | 31.05.1997   | -42.244,87                                                                             |
| 5200001560      | 28.02.2009   | 42.241,05                                                                              |
| 5000000620      | 07.07.2003   | 42.061,92                                                                              |
| 2717973         | 31.01.1996   | 41.968,66                                                                              |
| 2717974         | 01.02.1996   | -41.968,66                                                                             |
| 5200017312      | 31.10.2011   | -41.890,13                                                                             |
| 6000100821      | 15.05.2002   | -41.825,45                                                                             |
| 2788353         | 30.09.2000   | 41.788,20                                                                              |
| 2788354         | 02.10.2000   | -41.788,20                                                                             |
| 2780538         | 29.02.2000   | 41.735,43                                                                              |
| 2780539         | 01.03.2000   | -41.735,43                                                                             |
| 5200011567      | 30.09.2002   | 41.667,55                                                                              |
| 2600000361      | 14.05.2003   | 41.477,44                                                                              |
| 4500001572      | 14.06.2006   | 41.436,94                                                                              |
| 6000119407      | 18.06.2003   | 41.350,09                                                                              |
| 5200006831      | 30.09.2005   | 41.327,66                                                                              |
| 5200005274      | 01.09.2001   | 41.253,86                                                                              |
| 5200005120      | 31.08.2001   | -41.253,86                                                                             |
| 5200003067      | 30.04.2008   | 41.189,10                                                                              |
| 2742364         | 31.07.1997   | 41.133,76                                                                              |
| 2742365         | 01.08.1997   | -41.133,76                                                                             |
| 6000176554      | 13.08.2002   | 41.104,20                                                                              |
| 5200003467      | 31.03.2003   | 40.947,40                                                                              |
| 2500003490      | 05.12.2005   | -40.928,72                                                                             |
| 2761887         | 30.11.1998   | 40.923,11                                                                              |
| 2761888         | 01.12.1998   | -40.923,11                                                                             |
| 5200009896      | 01.11.2001   | 40.851,65                                                                              |
| 5200009545      | 31.10.2001   | -40.851,65                                                                             |
| 2705014         | 02.01.1995   | 40.731,97                                                                              |
| 2705013         | 31.12.1994   | -40.731,97                                                                             |
| 5200031356      | 30.11.2015   | 40.628,74                                                                              |
| 6000310143      | 30.09.2016   | 40.620,58                                                                              |
| 6000250063      | 12.12.2003   | 40.619,45                                                                              |
| 5200006566      | 30.06.2003   | 40.606,47                                                                              |
| 5200005909      | 01.10.2001   | 40.443,15                                                                              |
| 5200005750      | 30.09.2001   | -40.443,15                                                                             |
| 5200002293      | 31.03.2009   | -40.397,58                                                                             |
| 2779166         | 31.01.2000   | 40.316,12                                                                              |
| 2779167         | 01.02.2000   | -40.316,12                                                                             |
| 2600000657      | 01.09.2003   | -40.307,55                                                                             |
| 5200001258      | 31.01.2004   | 40.164,49                                                                              |
| 6000253998      | 04.08.2009   | 40.013,76                                                                              |
| 5200008043      | 30.11.2009   | -39.975,84                                                                             |
| 5200003457      | 31.03.2003   | -39.929,24                                                                             |
| 2787230         | 31.08.2000   | 39.875,16                                                                              |
| 2787231         | 01.09.2000   | -39.875,16                                                                             |
| 9515233691      | 08.09.2017   | 39.803,52                                                                              |
| 5200011309      | 31.10.2004   | -39.803,24                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2769489         | 31.05.1999   | 39.662,07                                                                              |
| 2769490         | 01.06.1999   | -39.662,07                                                                             |
| 5900000414      | 25.07.2008   | 39.587,55                                                                              |
| 2702862         | 01.02.2001   | 39.573,63                                                                              |
| 2702861         | 31.01.2001   | -39.573,63                                                                             |
| 6000059074      | 23.03.2004   | 39.483,77                                                                              |
| 5200001249      | 31.01.2004   | 39.448,39                                                                              |
| 5200012192      | 30.11.2004   | -39.444,44                                                                             |
| 2500000433      | 12.02.2009   | -39.362,52                                                                             |
| 5200001557      | 29.02.2008   | -39.362,29                                                                             |
| 5200017050      | 31.05.2017   | -39.331,76                                                                             |
| 5200003340      | 30.04.2005   | -39.167,24                                                                             |
| 2720185         | 31.03.1996   | 39.167,09                                                                              |
| 2720186         | 01.04.1996   | -39.167,09                                                                             |
| 2701429         | 01.08.1994   | 39.163,24                                                                              |
| 2701428         | 31.07.1994   | -39.163,24                                                                             |
| 5200012715      | 31.12.2004   | -39.162,12                                                                             |
| 2787256         | 31.08.2000   | 39.134,36                                                                              |
| 2787257         | 01.09.2000   | -39.134,36                                                                             |
| 6000243399      | 23.07.2010   | -39.082,00                                                                             |
| 6000175518      | 22.08.2002   | -39.033,21                                                                             |
| 2745905         | 03.11.1997   | 39.016,47                                                                              |
| 2745904         | 31.10.1997   | -39.016,47                                                                             |
| 6000260061      | 19.11.2004   | 38.941,87                                                                              |
| 5200005273      | 01.09.2001   | 38.840,99                                                                              |
| 5200005119      | 31.08.2001   | -38.840,99                                                                             |
| 6000055675      | 15.03.2004   | 38.720,44                                                                              |
| 5200005883      | 01.10.2001   | 38.664,29                                                                              |
| 5200005724      | 30.09.2001   | -38.664,29                                                                             |
| 5200004249      | 31.03.2004   | 38.640,00                                                                              |
| 5200016165      | 30.06.2016   | 38.613,62                                                                              |
| 2704171         | 01.12.1994   | 38.539,38                                                                              |
| 2704170         | 30.11.1994   | -38.539,38                                                                             |
| 2705887         | 01.12.1995   | 38.528,01                                                                              |
| 2705886         | 31.01.1995   | -38.528,01                                                                             |
| 2760678         | 02.11.1998   | 38.508,12                                                                              |
| 2760677         | 31.10.1998   | -38.508,12                                                                             |
| 2787236         | 31.08.2000   | 38.406,43                                                                              |
| 2787237         | 01.09.2000   | -38.406,43                                                                             |
| 6000100110      | 31.03.2015   | -38.379,86                                                                             |
| 5200005496      | 30.04.2002   | -38.331,28                                                                             |
| 2739974         | 02.06.1997   | 38.326,84                                                                              |
| 2739973         | 31.05.1997   | -38.326,84                                                                             |
| 5200005547      | 31.05.2003   | -38.212,25                                                                             |
| 6000116231      | 13.06.2003   | 38.122,26                                                                              |
| 5200005491      | 31.05.2003   | -38.041,76                                                                             |
| 2600000340      | 14.05.2003   | 38.015,06                                                                              |
| 6000025314      | 07.02.2003   | 37.984,78                                                                              |
| 2788230         | 02.10.2000   | 37.908,27                                                                              |
| 2788229         | 30.09.2000   | -37.908,27                                                                             |
| 6000142675      | 22.07.2003   | 37.855,75                                                                              |
| 2775397         | 01.10.1999   | 37.753,40                                                                              |
| 2774555         | 01.09.1999   | -37.753,40                                                                             |
| 6000079345      | 23.04.2003   | 37.678,66                                                                              |
| 2741078         | 30.06.1997   | 37.672,62                                                                              |
| 2741079         | 01.07.1997   | -37.672,62                                                                             |
| 6000183586      | 03.09.2002   | 37.670,77                                                                              |
| 6000031152      | 26.01.2016   | 37.651,82                                                                              |
| 5200023173      | 30.09.2014   | 37.650,78                                                                              |
| 2727276         | 01.10.1996   | 37.578,04                                                                              |
| 2727275         | 30.09.1996   | -37.578,04                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005225      | 31.07.2008   | 37.480,66                                                                              |
| 5200012937      | 30.11.2003   | -37.350,96                                                                             |
| 5200007404      | 30.06.2002   | -37.305,47                                                                             |
| 2755375         | 30.06.1998   | 37.269,11                                                                              |
| 2755376         | 01.07.1998   | -37.269,11                                                                             |
| 6000221450      | 07.11.2003   | -37.245,19                                                                             |
| 2739026         | 30.04.1997   | 37.108,54                                                                              |
| 2739027         | 02.05.1997   | -37.108,54                                                                             |
| 5200006830      | 31.05.2004   | 37.102,08                                                                              |
| 2500004012      | 05.09.2002   | 37.095,67                                                                              |
| 6000031154      | 26.01.2016   | 37.071,14                                                                              |
| 2782442         | 30.04.2000   | 37.055,19                                                                              |
| 2782443         | 02.05.2000   | -37.055,19                                                                             |
| 5200007401      | 30.06.2002   | -36.949,13                                                                             |
| 5200010073      | 30.09.2003   | -36.860,43                                                                             |
| 2744718         | 01.10.1997   | 36.809,69                                                                              |
| 2744717         | 30.09.1997   | -36.809,69                                                                             |
| 5200011332      | 31.10.2004   | -36.786,22                                                                             |
| 2736693         | 03.03.1997   | 36.780,04                                                                              |
| 2736692         | 28.02.1997   | -36.780,04                                                                             |
| 5200002247      | 31.03.2008   | -36.730,14                                                                             |
| 5200006532      | 30.06.2003   | 36.707,64                                                                              |
| 5200006773      | 31.05.2002   | -36.689,37                                                                             |
| 2748268         | 02.01.1998   | 36.660,96                                                                              |
| 2748267         | 31.12.1997   | -36.660,96                                                                             |
| 4000282041      | 31.08.2016   | 36.590,82                                                                              |
| 5200009917      | 01.11.2001   | 36.559,72                                                                              |
| 5200009565      | 31.10.2001   | -36.559,72                                                                             |
| 2702593         | 04.10.1994   | 36.504,59                                                                              |
| 2702592         | 30.09.1994   | -36.504,59                                                                             |
| 6000115418      | 03.06.2004   | -36.437,05                                                                             |
| 2789317         | 31.10.2000   | 36.426,23                                                                              |
| 2789318         | 01.11.2000   | -36.426,23                                                                             |
| 5200004014      | 01.08.2001   | 36.385,73                                                                              |
| 5200003860      | 31.07.2001   | -36.385,73                                                                             |
| 6000122285      | 25.06.2003   | 36.225,32                                                                              |
| 2756706         | 01.06.1991   | 36.207,57                                                                              |
| 2756675         | 31.05.1991   | -36.207,57                                                                             |
| 6000245279      | 08.11.2004   | 36.199,23                                                                              |
| 2700548         | 30.11.2000   | 36.143,44                                                                              |
| 2700549         | 01.12.2000   | -36.143,44                                                                             |
| 2500000293      | 31.01.2005   | 36.074,37                                                                              |
| 5200009161      | 31.07.2002   | 36.051,29                                                                              |
| 2765641         | 28.02.1999   | 36.045,01                                                                              |
| 2765642         | 01.03.1999   | -36.045,01                                                                             |
| 5200003396      | 31.03.2003   | -36.021,47                                                                             |
| 5200037118      | 31.12.2001   | -36.010,92                                                                             |
| 2500000218      | 21.01.2005   | 36.010,39                                                                              |
| 6000419792      | 30.11.2008   | -35.972,74                                                                             |
| 2725031         | 01.08.1996   | 35.957,84                                                                              |
| 2725030         | 31.07.1996   | -35.957,84                                                                             |
| 6000139625      | 15.07.2003   | 35.945,02                                                                              |
| 2784717         | 30.06.2000   | 35.938,97                                                                              |
| 2784718         | 03.07.2000   | -35.938,97                                                                             |
| 4000165735      | 22.05.2015   | -35.930,35                                                                             |
| 5200036586      | 01.12.2001   | 35.877,96                                                                              |
| 5200036402      | 30.11.2001   | -35.877,96                                                                             |
| 5200023732      | 31.07.2017   | -35.816,89                                                                             |
| 2708606         | 02.05.1995   | 35.807,96                                                                              |
| 2708605         | 30.04.1995   | -35.807,96                                                                             |
| 5000001995      | 31.12.2017   | 35.795,36                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000090677      | 08.05.2003   | 35.685,50                                                                              |
| 5200014527      | 31.12.2002   | 35.683,30                                                                              |
| 2600000627      | 10.09.2003   | -35.608,19                                                                             |
| 5200014017      | 31.12.2003   | -35.557,27                                                                             |
| 5200014034      | 31.12.2003   | -35.468,62                                                                             |
| 2776099         | 01.11.1999   | 35.464,54                                                                              |
| 2776098         | 31.10.1999   | -35.464,54                                                                             |
| 2707834         | 03.04.1995   | 35.385,71                                                                              |
| 2707833         | 31.03.1995   | -35.385,71                                                                             |
| 5200014505      | 31.12.2002   | -35.348,98                                                                             |
| 6000386593      | 24.12.2007   | 35.336,94                                                                              |
| 5200014029      | 31.12.2003   | -35.240,35                                                                             |
| 2701538         | 01.01.2001   | 35.207,20                                                                              |
| 2701537         | 31.12.2000   | -35.207,20                                                                             |
| 2732084         | 31.01.1997   | 35.206,33                                                                              |
| 2732085         | 03.02.1997   | -35.206,33                                                                             |
| 5200003422      | 31.03.2003   | -35.203,59                                                                             |
| 2500000967      | 23.04.2008   | 35.195,96                                                                              |
| 2705929         | 01.02.1995   | 35.135,35                                                                              |
| 2705928         | 31.01.1995   | -35.135,35                                                                             |
| 5200000854      | 31.01.2005   | 35.089,13                                                                              |
| 5200000856      | 31.01.2005   | 34.982,28                                                                              |
| 6000312250      | 29.12.2005   | -34.951,77                                                                             |
| 5200003371      | 30.04.2005   | 34.930,53                                                                              |
| 2701574         | 01.01.2001   | 34.921,29                                                                              |
| 2701573         | 31.12.2000   | -34.921,29                                                                             |
| 5200000101      | 30.04.2001   | 34.849,86                                                                              |
| 5200000274      | 01.05.2001   | -34.849,86                                                                             |
| 5200004823      | 31.07.2007   | -34.822,30                                                                             |
| 2775349         | 01.10.1999   | 34.818,35                                                                              |
| 2774507         | 01.09.1999   | -34.818,35                                                                             |
| 2500002896      | 20.11.2009   | 34.769,60                                                                              |
| 2787786         | 01.10.1993   | 34.762,13                                                                              |
| 2787785         | 30.09.1993   | -34.762,13                                                                             |
| 5200022438      | 31.08.2015   | -34.760,56                                                                             |
| 5200014553      | 31.12.2002   | -34.751,48                                                                             |
| 2749616         | 31.01.1998   | 34.750,36                                                                              |
| 2749617         | 02.02.1998   | -34.750,36                                                                             |
| 2500002661      | 17.06.2003   | 34.644,85                                                                              |
| 6000374152      | 27.10.2008   | -34.602,47                                                                             |
| 5200002164      | 30.06.2001   | 34.540,21                                                                              |
| 5200002351      | 01.07.2001   | -34.540,21                                                                             |
| 2705073         | 31.03.2001   | 34.536,16                                                                              |
| 2705074         | 01.04.2001   | -34.536,16                                                                             |
| 2736608         | 28.02.1997   | 34.534,88                                                                              |
| 2736609         | 03.03.1997   | -34.534,88                                                                             |
| 2500000120      | 01.01.2002   | 34.530,93                                                                              |
| 5200042048      | 31.12.2017   | 34.483,08                                                                              |
| 2701996         | 01.09.1994   | 34.443,51                                                                              |
| 2701995         | 31.08.1994   | -34.443,51                                                                             |
| 5200006567      | 30.06.2003   | -34.430,07                                                                             |
| 2701950         | 01.09.1994   | 34.409,48                                                                              |
| 2701949         | 31.08.1994   | -34.409,48                                                                             |
| 2703304         | 01.11.1994   | 34.399,75                                                                              |
| 2703303         | 31.10.1994   | -34.399,75                                                                             |
| 5200005873      | 01.10.2001   | 34.329,68                                                                              |
| 5200005714      | 30.09.2001   | -34.329,68                                                                             |
| 5200012958      | 30.11.2003   | 34.291,46                                                                              |
| 5200003575      | 31.05.2010   | 34.257,38                                                                              |
| 6000017821      | 21.01.2005   | 34.250,12                                                                              |
| 5200011548      | 31.10.2003   | 34.212,45                                                                              |

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| 5200006740      | 31.05.2002   | -34.175,42                                                                             |
| 5200012202      | 30.11.2004   | -34.070,49                                                                             |
| 5200004050      | 31.05.2005   | 34.037,00                                                                              |
| 5200006737      | 31.05.2002   | -34.032,49                                                                             |
| 6000102484      | 26.05.2003   | 34.031,24                                                                              |
| 2523651         | 30.09.1999   | 33.920,57                                                                              |
| 2524055         | 01.10.1999   | -33.920,57                                                                             |
| 5200000813      | 31.01.2008   | -33.890,36                                                                             |
| 6000079282      | 19.04.2004   | -33.886,86                                                                             |
| 5200002193      | 30.06.2001   | 33.874,79                                                                              |
| 5200002380      | 01.07.2001   | -33.874,79                                                                             |
| 5200003389      | 31.03.2003   | -33.819,60                                                                             |
| 2300000958      | 18.04.2016   | 33.806,50                                                                              |
| 5200007281      | 30.11.2006   | -33.805,57                                                                             |
| 2778016         | 31.12.1999   | 33.796,39                                                                              |
| 2778017         | 03.01.2000   | -33.796,39                                                                             |
| 2784782         | 03.07.2000   | 33.794,75                                                                              |
| 2784781         | 30.06.2000   | -33.794,75                                                                             |
| 6000185430      | 22.09.2003   | -33.769,36                                                                             |
| 5200009095      | 31.07.2002   | 33.765,36                                                                              |
| 5200005996      | 30.09.2006   | 33.731,32                                                                              |
| 5200001804      | 31.05.2001   | 33.681,20                                                                              |
| 5200001983      | 01.06.2001   | -33.681,20                                                                             |
| 5200010352      | 31.08.2002   | -33.656,56                                                                             |
| 5200010079      | 30.09.2003   | 33.620,75                                                                              |
| 2789505         | 31.10.2000   | 33.526,71                                                                              |
| 2789506         | 01.11.2000   | -33.526,71                                                                             |
| 2723616         | 01.07.1996   | 33.508,75                                                                              |
| 2723615         | 30.06.1996   | -33.508,75                                                                             |
| 2747110         | 01.12.1997   | 33.477,24                                                                              |
| 2747109         | 30.11.1997   | -33.477,24                                                                             |
| 2743563         | 31.08.1997   | 33.436,85                                                                              |
| 2743564         | 01.09.1997   | -33.436,85                                                                             |
| 5200005957      | 31.08.2008   | 33.335,96                                                                              |
| 2500002728      | 28.10.2008   | -33.295,40                                                                             |
| 5200007395      | 30.06.2002   | 33.291,50                                                                              |
| 5200010023      | 30.09.2003   | 33.258,65                                                                              |
| 2777958         | 31.12.1999   | 33.206,01                                                                              |
| 2777959         | 03.01.2000   | -33.206,01                                                                             |
| 5200007548      | 30.11.2007   | -33.194,16                                                                             |
| 2707802         | 03.04.1995   | 33.182,63                                                                              |
| 2707801         | 31.03.1995   | -33.182,63                                                                             |
| 5200011523      | 31.10.2003   | 33.087,74                                                                              |
| 2760482         | 02.11.1998   | 33.053,47                                                                              |
| 2760481         | 31.10.1998   | -33.053,47                                                                             |
| 4500002674      | 28.04.2003   | 33.015,82                                                                              |
| 2782426         | 30.04.2000   | 32.995,57                                                                              |
| 2782427         | 02.05.2000   | -32.995,57                                                                             |
| 5200001000      | 31.01.2016   | 32.988,27                                                                              |
| 6000128139      | 01.07.2003   | 32.900,95                                                                              |
| 5200004053      | 30.06.2006   | -32.851,42                                                                             |
| 6000069629      | 23.03.2005   | 32.753,91                                                                              |
| 2714247         | 01.11.1995   | 32.661,69                                                                              |
| 2714246         | 31.10.1995   | -32.661,69                                                                             |
| 6000252061      | 30.07.2010   | -32.643,10                                                                             |
| 5200012172      | 30.11.2004   | -32.636,83                                                                             |
| 6000206272      | 25.06.2010   | -32.633,18                                                                             |
| 2755297         | 30.06.1998   | 32.564,16                                                                              |
| 2755298         | 01.07.1998   | -32.564,16                                                                             |
| 5200005884      | 01.10.2001   | 32.514,25                                                                              |
| 5200005725      | 30.09.2001   | -32.514,25                                                                             |

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| 5200001957      | 01.06.2001   | 32.511,84                                                                              |
| 5200001778      | 31.05.2001   | -32.511,84                                                                             |
| 5200007545      | 31.07.2003   | 32.473,02                                                                              |
| 5200003439      | 31.05.2007   | 32.426,81                                                                              |
| 6000071216      | 10.04.2003   | 32.369,86                                                                              |
| 2789400         | 01.11.2000   | 32.350,03                                                                              |
| 2789399         | 31.10.2000   | -32.350,03                                                                             |
| 2703370         | 01.11.1994   | 32.336,74                                                                              |
| 2703369         | 31.10.1994   | -32.336,74                                                                             |
| 5200005959      | 31.08.2008   | 32.185,89                                                                              |
| 2700966         | 01.07.1994   | 32.176,56                                                                              |
| 2700965         | 30.06.1994   | -32.176,56                                                                             |
| 2726115         | 31.08.1996   | 32.153,19                                                                              |
| 2726116         | 02.09.1996   | -32.153,19                                                                             |
| 5200013881      | 31.05.2016   | 32.139,37                                                                              |
| 2720379         | 31.03.1996   | 32.090,97                                                                              |
| 2720380         | 01.04.1996   | -32.090,97                                                                             |
| 2705044         | 01.04.2001   | 32.040,25                                                                              |
| 2705043         | 31.03.2001   | -32.040,25                                                                             |
| 5200005381      | 31.08.2006   | -31.960,57                                                                             |
| 2715249         | 01.12.1995   | 31.953,54                                                                              |
| 2715248         | 30.11.1995   | -31.953,54                                                                             |
| 6000059174      | 26.03.2003   | 31.896,96                                                                              |
| 5200005885      | 01.10.2001   | 31.896,14                                                                              |
| 5200005726      | 30.09.2001   | -31.896,14                                                                             |
| 5200004045      | 31.05.2005   | 31.793,84                                                                              |
| 5200012689      | 31.12.2004   | -31.791,49                                                                             |
| 5200007615      | 31.07.2003   | -31.757,25                                                                             |
| 2700538         | 01.06.1994   | 31.738,51                                                                              |
| 2700537         | 31.05.1994   | -31.738,51                                                                             |
| 2759228         | 01.10.1998   | 31.722,00                                                                              |
| 2759227         | 30.09.1998   | -31.722,00                                                                             |
| 2500005280      | 23.12.2004   | 31.679,76                                                                              |
| 2759244         | 01.10.1998   | 31.650,31                                                                              |
| 2759243         | 30.09.1998   | -31.650,31                                                                             |
| 5200007422      | 30.06.2002   | -31.624,45                                                                             |
| 5200010317      | 31.08.2002   | -31.557,69                                                                             |
| 5200029001      | 31.10.2016   | 31.395,92                                                                              |
| 2783700         | 31.05.2000   | 31.377,73                                                                              |
| 2783701         | 05.06.2000   | -31.377,73                                                                             |
| 2724901         | 01.08.1996   | 31.352,61                                                                              |
| 2724900         | 31.07.1996   | -31.352,61                                                                             |
| 5200008710      | 31.08.2003   | -31.351,04                                                                             |
| 2721362         | 02.05.1996   | 31.264,19                                                                              |
| 2721361         | 30.04.1996   | -31.264,19                                                                             |
| 5200042047      | 31.12.2017   | 31.219,29                                                                              |
| 5200023711      | 31.07.2017   | -31.204,50                                                                             |
| 6000002616      | 06.01.2003   | 31.202,09                                                                              |
| 5200005264      | 01.09.2001   | 31.191,13                                                                              |
| 5200005110      | 31.08.2001   | -31.191,13                                                                             |
| 2788385         | 30.09.2000   | 31.081,24                                                                              |
| 2788386         | 02.10.2000   | -31.081,24                                                                             |
| 6000046763      | 07.03.2003   | 31.069,81                                                                              |
| 6000197775      | 23.09.2002   | 31.067,35                                                                              |
| 2500004912      | 24.10.2002   | 31.066,38                                                                              |
| 6000112808      | 10.05.2006   | 31.065,01                                                                              |
| 2760520         | 02.11.1998   | 31.048,03                                                                              |
| 2760519         | 31.10.1998   | -31.048,03                                                                             |
| 6000104296      | 31.03.2010   | -31.030,46                                                                             |
| 6000252069      | 30.07.2010   | -30.988,95                                                                             |
| 2705037         | 31.03.2001   | 30.959,52                                                                              |

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| 2705038         | 01.04.2001   | -30.959,52                                                                             |
| 2742344         | 31.07.1997   | 30.956,97                                                                              |
| 2742345         | 01.08.1997   | -30.956,97                                                                             |
| 6000337150      | 16.11.2007   | 30.943,67                                                                              |
| 6000270180      | 30.12.2002   | -30.869,74                                                                             |
| 2700730         | 30.11.2000   | 30.849,84                                                                              |
| 2700731         | 01.12.2000   | -30.849,84                                                                             |
| 2744810         | 01.10.1997   | 30.843,62                                                                              |
| 2744809         | 30.09.1997   | -30.843,62                                                                             |
| 2713303         | 02.10.1995   | 30.828,92                                                                              |
| 2713302         | 30.09.1995   | -30.828,92                                                                             |
| 2600000610      | 05.09.2003   | -30.790,02                                                                             |
| 2721505         | 30.04.1996   | 30.785,96                                                                              |
| 2721506         | 02.05.1996   | -30.785,96                                                                             |
| 5200001253      | 31.01.2003   | -30.770,00                                                                             |
| 6000152499      | 30.04.2008   | 30.768,85                                                                              |
| 5200007334      | 31.10.2009   | -30.744,92                                                                             |
| 5200008737      | 31.08.2003   | 30.632,05                                                                              |
| 5200005546      | 31.05.2003   | -30.617,88                                                                             |
| 5200007559      | 31.07.2003   | 30.546,45                                                                              |
| 5200006778      | 31.05.2004   | 30.526,22                                                                              |
| 5200005531      | 30.04.2002   | -30.472,22                                                                             |
| 2726135         | 31.08.1996   | 30.460,77                                                                              |
| 2726136         | 02.09.1996   | -30.460,77                                                                             |
| 9513589017      | 25.08.2015   | 30.441,33                                                                              |
| 6000247108      | 09.11.2004   | 30.437,10                                                                              |
| 5200006728      | 31.05.2002   | -30.419,76                                                                             |
| 2500002422      | 30.05.2003   | 30.397,60                                                                              |
| 2500005554      | 21.11.2002   | -30.388,05                                                                             |
| 5200011288      | 31.10.2004   | -30.386,81                                                                             |
| 2722669         | 31.05.1996   | 30.367,98                                                                              |
| 2722670         | 03.06.1996   | -30.367,98                                                                             |
| 5200028519      | 31.10.2015   | 30.311,78                                                                              |
| 5200002070      | 31.01.2017   | -30.295,40                                                                             |
| 5200005903      | 31.08.2009   | -30.278,59                                                                             |
| 5200017068      | 31.07.2012   | 30.226,00                                                                              |
| 4500001890      | 14.07.2006   | 30.205,51                                                                              |
| 5200004428      | 30.04.2003   | -30.196,62                                                                             |
| 2744750         | 01.10.1997   | 30.162,05                                                                              |
| 2744749         | 30.09.1997   | -30.162,05                                                                             |
| 6000012598      | 15.01.2003   | 30.047,60                                                                              |
| 2782454         | 30.04.2000   | 29.962,80                                                                              |
| 2782455         | 02.05.2000   | -29.962,80                                                                             |
| 6000302001      | 13.12.2006   | 29.937,68                                                                              |
| 5200000755      | 31.01.2011   | -29.936,20                                                                             |
| 2781540         | 03.04.2000   | 29.912,79                                                                              |
| 2781539         | 31.03.2000   | -29.912,79                                                                             |
| 5200001749      | 28.02.2005   | -29.902,84                                                                             |
| 5200000134      | 30.04.2001   | 29.893,15                                                                              |
| 5200000307      | 01.05.2001   | -29.893,15                                                                             |
| 4000256318      | 17.08.2017   | 29.867,78                                                                              |
| 5200003879      | 31.07.2001   | 29.865,83                                                                              |
| 5200004033      | 01.08.2001   | -29.865,83                                                                             |
| 2759186         | 01.10.1998   | 29.808,04                                                                              |
| 2759185         | 30.09.1998   | -29.808,04                                                                             |
| 5200001257      | 31.01.2003   | -29.702,92                                                                             |
| 5200006772      | 31.05.2002   | -29.641,27                                                                             |
| 5200012978      | 30.11.2003   | -29.635,45                                                                             |
| 5200007070      | 28.02.2013   | 29.613,65                                                                              |
| 6000102490      | 23.05.2003   | -29.578,02                                                                             |
| 2713371         | 02.10.1995   | 29.561,89                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2713370         | 30.09.1995   | -29.561,89                                                                             |
| 2700599         | 01.12.2000   | 29.546,51                                                                              |
| 2700598         | 30.11.2000   | -29.546,51                                                                             |
| 5200001789      | 31.05.2001   | 29.534,25                                                                              |
| 5200001968      | 01.06.2001   | -29.534,25                                                                             |
| 2760464         | 02.11.1998   | 29.523,09                                                                              |
| 2760463         | 31.10.1998   | -29.523,09                                                                             |
| 6000152522      | 23.07.2002   | 29.485,21                                                                              |
| 5200039506      | 30.11.2017   | -29.473,03                                                                             |
| 5200007542      | 31.07.2003   | 29.460,97                                                                              |
| 6000210500      | 24.10.2003   | 29.456,94                                                                              |
| 6000379279      | 09.12.2014   | -29.441,69                                                                             |
| 5200001500      | 31.01.2002   | 29.419,42                                                                              |
| 5200001663      | 01.02.2002   | -29.419,42                                                                             |
| 2702718         | 01.02.2001   | 29.407,06                                                                              |
| 2702717         | 31.01.2001   | -29.407,06                                                                             |
| 5200012204      | 30.11.2004   | -29.346,09                                                                             |
| 5200001279      | 31.01.2004   | 29.336,64                                                                              |
| 2775998         | 31.10.1999   | 29.321,65                                                                              |
| 2775999         | 01.11.1999   | -29.321,65                                                                             |
| 2767126         | 31.03.1999   | 29.311,40                                                                              |
| 2767127         | 01.04.1999   | -29.311,40                                                                             |
| 5200001885      | 31.01.2012   | -29.261,10                                                                             |
| 5200008695      | 31.08.2003   | -29.238,41                                                                             |
| 2500000135      | 18.01.2012   | -29.225,57                                                                             |
| 2705327         | 31.03.2001   | 29.204,61                                                                              |
| 2705328         | 01.04.2001   | -29.204,61                                                                             |
| 5200007552      | 30.11.2007   | -29.192,52                                                                             |
| 6000137078      | 15.07.2003   | 29.185,82                                                                              |
| 5200004049      | 30.06.2006   | 29.149,65                                                                              |
| 2756805         | 03.08.1998   | 29.122,61                                                                              |
| 2756804         | 31.07.1998   | -29.122,61                                                                             |
| 5200009757      | 31.08.2004   | -29.054,00                                                                             |
| 6000137436      | 15.07.2003   | 29.032,04                                                                              |
| 4000029429      | 01.01.2015   | -28.970,03                                                                             |
| 6000120311      | 23.06.2003   | 28.943,10                                                                              |
| 6000097515      | 13.05.2003   | 28.934,41                                                                              |
| 2764399         | 31.01.1999   | 28.887,46                                                                              |
| 2764400         | 01.02.1999   | -28.887,46                                                                             |
| 2788211         | 30.09.2000   | 28.864,89                                                                              |
| 2788212         | 02.10.2000   | -28.864,89                                                                             |
| 5200006534      | 30.06.2003   | 28.858,68                                                                              |
| 6000206839      | 20.06.2012   | -28.846,21                                                                             |
| 5200020768      | 30.06.2017   | -28.844,82                                                                             |
| 5200008911      | 31.07.2004   | 28.837,63                                                                              |
| 5200004240      | 31.03.2004   | 28.807,65                                                                              |
| 2744726         | 01.10.1997   | 28.775,54                                                                              |
| 2744725         | 30.09.1997   | -28.775,54                                                                             |
| 6000146458      | 13.06.2006   | 28.769,06                                                                              |
| 6000085994      | 18.03.2010   | -28.767,44                                                                             |
| 6000040029      | 26.02.2003   | 28.705,60                                                                              |
| 6000226469      | 15.10.2004   | 28.677,73                                                                              |
| 5200001237      | 31.01.2003   | -28.637,60                                                                             |
| 6000105146      | 09.05.2005   | 28.628,61                                                                              |
| 2712368         | 01.09.1995   | 28.608,58                                                                              |
| 2712367         | 31.08.1995   | -28.608,58                                                                             |
| 5200003886      | 31.07.2001   | 28.585,02                                                                              |
| 5200004040      | 01.08.2001   | -28.585,02                                                                             |
| 2738870         | 30.04.1997   | 28.562,24                                                                              |
| 2738871         | 02.05.1997   | -28.562,24                                                                             |
| 6000133692      | 28.06.2002   | 28.553,16                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2737718         | 31.03.1997   | 28.501,81                                                                              |
| 2737719         | 01.04.1997   | -28.501,81                                                                             |
| 2781505         | 31.03.2000   | 28.421,68                                                                              |
| 2781506         | 03.04.2000   | -28.421,68                                                                             |
| 5200002909      | 29.02.2004   | 28.409,84                                                                              |
| 5200014510      | 31.12.2002   | -28.383,32                                                                             |
| 5200002531      | 31.03.2005   | 28.376,41                                                                              |
| 6000131150      | 07.07.2003   | 28.275,44                                                                              |
| 2787092         | 31.08.2000   | 28.249,41                                                                              |
| 2787093         | 01.09.2000   | -28.249,41                                                                             |
| 2701956         | 01.09.1994   | 28.197,96                                                                              |
| 2701955         | 31.08.1994   | -28.197,96                                                                             |
| 2784928         | 03.07.2000   | 28.188,13                                                                              |
| 2784927         | 30.06.2000   | -28.188,13                                                                             |
| 6000034055      | 17.01.2012   | -28.155,96                                                                             |
| 5200007396      | 30.06.2002   | -28.136,59                                                                             |
| 5200002178      | 30.06.2001   | 28.126,65                                                                              |
| 5200002365      | 01.07.2001   | -28.126,65                                                                             |
| 5200006777      | 31.05.2004   | 28.082,58                                                                              |
| 5200008760      | 31.08.2003   | 28.079,37                                                                              |
| 5200014535      | 31.12.2002   | -28.064,25                                                                             |
| 5200005514      | 31.05.2003   | 28.039,85                                                                              |
| 5200002737      | 30.04.2006   | -27.940,03                                                                             |
| 5200000827      | 31.01.2005   | 27.873,13                                                                              |
| 6000014260      | 23.01.2003   | -27.811,05                                                                             |
| 2500003394      | 01.08.2002   | 27.791,49                                                                              |
| 5200009158      | 01.08.2002   | -27.791,49                                                                             |
| 5200013876      | 30.11.2002   | -27.763,58                                                                             |
| 5200004476      | 30.04.2003   | 27.759,54                                                                              |
| 2705028         | 02.01.1995   | 27.752,57                                                                              |
| 2705027         | 31.12.1994   | -27.752,57                                                                             |
| 5200006138      | 30.09.2010   | -27.725,31                                                                             |
| 6000131146      | 07.07.2003   | 27.710,42                                                                              |
| 2703833         | 01.03.2001   | 27.565,47                                                                              |
| 2703832         | 28.02.2001   | -27.565,47                                                                             |
| 5200008600      | 31.12.2005   | 27.548,42                                                                              |
| 2745821         | 03.11.1997   | 27.517,31                                                                              |
| 2745820         | 31.10.1997   | -27.517,31                                                                             |
| 6000151476      | 18.07.2002   | 27.503,73                                                                              |
| 5200037150      | 31.12.2001   | 27.467,37                                                                              |
| 4500002011      | 26.08.2008   | -27.440,14                                                                             |
| 2500000763      | 23.03.2005   | 27.413,51                                                                              |
| 2789415         | 31.10.2000   | 27.409,92                                                                              |
| 2789416         | 01.11.2000   | -27.409,92                                                                             |
| 6000238441      | 07.10.2005   | -27.352,33                                                                             |
| 5200011326      | 31.10.2004   | -27.323,19                                                                             |
| 6000127764      | 02.06.2005   | 27.311,20                                                                              |
| 5200002189      | 30.06.2001   | 27.308,47                                                                              |
| 5200002376      | 01.07.2001   | -27.308,47                                                                             |
| 5200005544      | 30.04.2004   | -27.307,45                                                                             |
| 5200002153      | 30.06.2001   | 27.285,69                                                                              |
| 5200002340      | 01.07.2001   | -27.285,69                                                                             |
| 6000016442      | 24.01.2003   | 27.237,45                                                                              |
| 2719288         | 29.02.1996   | 27.219,74                                                                              |
| 2719289         | 01.03.1996   | -27.219,74                                                                             |
| 5200010334      | 31.08.2002   | -27.166,15                                                                             |
| 5200011502      | 30.09.2002   | 27.157,05                                                                              |
| 4500001271      | 22.03.2005   | -27.095,71                                                                             |
| 6000010736      | 17.01.2003   | 27.063,33                                                                              |
| 5200001310      | 31.01.2004   | 27.031,17                                                                              |
| 5200001801      | 31.05.2001   | 27.029,20                                                                              |

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| 5200001980      | 01.06.2001   | -27.029,20                                                                             |
| 2788381         | 30.09.2000   | 27.021,12                                                                              |
| 2788382         | 02.10.2000   | -27.021,12                                                                             |
| 5200007407      | 30.06.2002   | -27.011,39                                                                             |
| 5200004424      | 30.04.2003   | -26.948,31                                                                             |
| 6000076380      | 16.04.2003   | 26.933,24                                                                              |
| 4000386786      | 08.12.2015   | -26.880,68                                                                             |
| 2767106         | 31.03.1999   | 26.837,00                                                                              |
| 2767107         | 01.04.1999   | -26.837,00                                                                             |
| 5200011296      | 31.10.2004   | -26.834,16                                                                             |
| 5200013990      | 31.12.2003   | -26.804,82                                                                             |
| 5200012180      | 30.11.2004   | -26.778,93                                                                             |
| 6000158443      | 12.08.2003   | 26.766,91                                                                              |
| 5200005296      | 01.09.2001   | 26.764,90                                                                              |
| 5200005142      | 31.08.2001   | -26.764,90                                                                             |
| 6000162231      | 14.08.2003   | 26.731,10                                                                              |
| 5200036629      | 01.12.2001   | 26.684,46                                                                              |
| 5200036445      | 30.11.2001   | -26.684,46                                                                             |
| 2724902         | 31.07.1996   | 26.671,76                                                                              |
| 2724903         | 01.08.1996   | -26.671,76                                                                             |
| 2705323         | 31.03.2001   | 26.666,03                                                                              |
| 2705324         | 01.04.2001   | -26.666,03                                                                             |
| 5200000819      | 31.01.2005   | 26.653,16                                                                              |
| 5200028999      | 31.10.2016   | 26.640,53                                                                              |
| 5200037130      | 31.12.2001   | -26.598,61                                                                             |
| 5200000094      | 30.04.2001   | 26.514,10                                                                              |
| 5200000267      | 01.05.2001   | -26.514,10                                                                             |
| 5200000133      | 30.04.2001   | 26.506,66                                                                              |
| 5200000306      | 01.05.2001   | -26.506,66                                                                             |
| 2787252         | 31.08.2000   | 26.506,60                                                                              |
| 2787253         | 01.09.2000   | -26.506,60                                                                             |
| 6000105560      | 28.05.2003   | 26.503,64                                                                              |
| 2772414         | 02.08.1999   | 26.497,74                                                                              |
| 2772413         | 31.07.1999   | -26.497,74                                                                             |
| 2700490         | 01.06.1994   | 26.491,32                                                                              |
| 2700489         | 31.05.1994   | -26.491,32                                                                             |
| 5200012681      | 31.12.2004   | -26.488,35                                                                             |
| 2500002624      | 24.11.2010   | 26.470,30                                                                              |
| 2500001326      | 04.07.2011   | 26.467,93                                                                              |
| 5200010520      | 30.09.2004   | 26.458,34                                                                              |
| 5200010070      | 30.09.2003   | -26.455,51                                                                             |
| 2779142         | 31.01.2000   | 26.454,58                                                                              |
| 2779143         | 01.02.2000   | -26.454,58                                                                             |
| 6000063923      | 01.04.2003   | 26.450,81                                                                              |
| 6000067425      | 22.03.2005   | 26.436,76                                                                              |
| 6000061708      | 15.03.2005   | -26.432,24                                                                             |
| 2500004140      | 04.09.2002   | 26.416,78                                                                              |
| 5200002523      | 31.03.2005   | -26.392,22                                                                             |
| 5200011508      | 31.10.2003   | -26.373,63                                                                             |
| 6000173845      | 19.07.2006   | 26.370,38                                                                              |
| 2730862         | 31.12.1996   | 26.357,99                                                                              |
| 2730863         | 02.01.1997   | -26.357,99                                                                             |
| 5200014038      | 31.12.2003   | -26.351,46                                                                             |
| 5200004434      | 30.04.2003   | -26.347,45                                                                             |
| 5200004420      | 30.06.2008   | -26.344,21                                                                             |
| 5200014320      | 31.05.2015   | 26.299,28                                                                              |
| 5200012828      | 30.04.2017   | -26.264,84                                                                             |
| 6000092326      | 04.05.2004   | -26.245,28                                                                             |
| 5200004281      | 31.03.2004   | 26.189,93                                                                              |
| 2765685         | 28.02.1999   | 26.184,45                                                                              |
| 2765686         | 01.03.1999   | -26.184,45                                                                             |

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| 2770875         | 30.06.1999   | 26.161,44                                                                              |
| 2770876         | 01.07.1999   | -26.161,44                                                                             |
| 2779182         | 31.01.2000   | 26.143,21                                                                              |
| 2779183         | 01.02.2000   | -26.143,21                                                                             |
| 2702665         | 04.10.1994   | 26.114,75                                                                              |
| 2702664         | 30.09.1994   | -26.114,75                                                                             |
| 6000131140      | 07.07.2003   | 26.106,40                                                                              |
| 5200001241      | 31.01.2003   | -26.106,35                                                                             |
| 6000124610      | 27.06.2003   | 26.081,35                                                                              |
| 2705092         | 02.01.1995   | 26.051,17                                                                              |
| 2705091         | 31.12.1994   | -26.051,17                                                                             |
| 5200036434      | 30.11.2001   | 26.048,27                                                                              |
| 5200036618      | 01.12.2001   | -26.048,27                                                                             |
| 2705265         | 31.03.2001   | 26.046,96                                                                              |
| 2705266         | 01.04.2001   | -26.046,96                                                                             |
| 2776058         | 31.10.1999   | 26.035,14                                                                              |
| 2776059         | 01.11.1999   | -26.035,14                                                                             |
| 5200006598      | 30.06.2003   | 26.032,79                                                                              |
| 5200000282      | 01.05.2001   | 26.028,78                                                                              |
| 5200000109      | 30.04.2001   | -26.028,78                                                                             |
| 6000400240      | 25.11.2010   | 26.015,02                                                                              |
| 5200002590      | 31.03.2005   | 26.013,91                                                                              |
| 6000216577      | 13.09.2005   | -26.011,70                                                                             |
| 6000086759      | 28.04.2004   | -26.011,31                                                                             |
| 5200006572      | 30.06.2003   | 26.005,78                                                                              |
| 2711417         | 01.08.1995   | 26.003,22                                                                              |
| 2711416         | 31.07.1995   | -26.003,22                                                                             |
| 5200021771      | 30.09.2012   | -25.993,11                                                                             |
| 6000127158      | 25.05.2006   | 25.989,74                                                                              |
| 2741232         | 30.06.1997   | 25.969,04                                                                              |
| 2741233         | 01.07.1997   | -25.969,04                                                                             |
| 2701788         | 01.01.2001   | 25.963,57                                                                              |
| 2701787         | 31.12.2000   | -25.963,57                                                                             |
| 5200005538      | 31.05.2003   | -25.930,96                                                                             |
| 2716888         | 31.12.1995   | 25.869,11                                                                              |
| 2716145         | 02.01.1996   | 25.869,11                                                                              |
| 2717325         | 02.01.1996   | 25.869,11                                                                              |
| 2716144         | 31.12.1995   | -25.869,11                                                                             |
| 2717324         | 31.12.1995   | -25.869,11                                                                             |
| 2716889         | 02.01.1996   | -25.869,11                                                                             |
| 5200007410      | 31.10.2008   | 25.810,07                                                                              |
| 2600000233      | 28.06.2002   | -25.778,04                                                                             |
| 2759202         | 01.10.1998   | 25.765,28                                                                              |
| 2759201         | 30.09.1998   | -25.765,28                                                                             |
| 5200013942      | 30.11.2002   | 25.756,99                                                                              |
| 5200006745      | 31.05.2002   | -25.711,85                                                                             |
| 5200009898      | 01.11.2001   | 25.676,83                                                                              |
| 5200009547      | 31.10.2001   | -25.676,83                                                                             |
| 2765829         | 28.02.1999   | 25.644,46                                                                              |
| 2765830         | 01.03.1999   | -25.644,46                                                                             |
| 5200002082      | 31.01.2017   | -25.624,69                                                                             |
| 5200011580      | 31.10.2003   | 25.597,96                                                                              |
| 5200008730      | 31.08.2003   | 25.586,81                                                                              |
| 5200036614      | 01.12.2001   | 25.544,21                                                                              |
| 5200036430      | 30.11.2001   | -25.544,21                                                                             |
| 2788256         | 02.10.2000   | 25.536,64                                                                              |
| 2788255         | 30.09.2000   | -25.536,64                                                                             |
| 5200006521      | 30.06.2003   | 25.526,34                                                                              |
| 5200020746      | 30.06.2017   | -25.480,40                                                                             |
| 6000063992      | 22.03.2002   | -25.435,24                                                                             |
| 6000233458      | 14.11.2003   | 25.416,33                                                                              |

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| 2500000130      | 20.01.2006   | -25.373,08                                                                             |
| 5200011529      | 30.09.2002   | 25.361,27                                                                              |
| 6000246411      | 09.12.2003   | -25.356,68                                                                             |
| 5200006549      | 30.06.2003   | -25.331,15                                                                             |
| 5200000758      | 31.01.2007   | 25.268,56                                                                              |
| 5200001777      | 31.05.2001   | 25.240,43                                                                              |
| 5200001956      | 01.06.2001   | -25.240,43                                                                             |
| 6000004385      | 06.01.2005   | -25.240,23                                                                             |
| 6000130245      | 24.06.2004   | 25.232,93                                                                              |
| 5200000127      | 30.04.2001   | 25.228,72                                                                              |
| 5200000300      | 01.05.2001   | -25.228,72                                                                             |
| 5200033408      | 31.12.2015   | -25.221,99                                                                             |
| 2789501         | 31.10.2000   | 25.211,18                                                                              |
| 2789502         | 01.11.2000   | -25.211,18                                                                             |
| 5200011570      | 31.10.2003   | 25.179,03                                                                              |
| 5200002950      | 29.02.2004   | 25.170,65                                                                              |
| 2705130         | 01.04.2001   | 25.164,77                                                                              |
| 2705129         | 31.03.2001   | -25.164,77                                                                             |
| 2500002741      | 30.10.2009   | 25.136,99                                                                              |
| 5200002818      | 28.02.2002   | 25.096,55                                                                              |
| 5200002992      | 01.03.2002   | -25.096,55                                                                             |
| 5200012711      | 31.12.2004   | -25.089,91                                                                             |
| 6000021010      | 02.02.2004   | 25.043,27                                                                              |
| 2780344         | 29.02.2000   | 25.042,91                                                                              |
| 2780345         | 01.03.2000   | -25.042,91                                                                             |
| 2787139         | 01.09.2000   | 24.997,79                                                                              |
| 2787138         | 31.08.2000   | -24.997,79                                                                             |
| 5200000849      | 31.01.2005   | 24.990,11                                                                              |
| 2789347         | 31.10.2000   | 24.981,24                                                                              |
| 2789348         | 01.11.2000   | -24.981,24                                                                             |
| 6000038571      | 04.02.2008   | 24.957,34                                                                              |
| 5200004323      | 31.03.2002   | 24.911,78                                                                              |
| 6000070247      | 09.04.2003   | 24.849,17                                                                              |
| 5200011321      | 31.10.2004   | -24.842,07                                                                             |
| 5200004266      | 31.03.2004   | 24.797,93                                                                              |
| 5200012603      | 30.04.2013   | -24.776,38                                                                             |
| 5000001995      | 31.12.2017   | 24.761,15                                                                              |
| 6000238306      | 28.11.2003   | 24.747,81                                                                              |
| 6000233485      | 21.11.2003   | 24.745,36                                                                              |
| 2702663         | 04.10.1994   | 24.730,02                                                                              |
| 2702662         | 30.09.1994   | -24.730,02                                                                             |
| 2765773         | 28.02.1999   | 24.723,24                                                                              |
| 2765774         | 01.03.1999   | -24.723,24                                                                             |
| 2500004790      | 16.11.2004   | 24.672,16                                                                              |
| 2500000760      | 23.03.2005   | -24.672,16                                                                             |
| 6000285629      | 15.12.2004   | 24.662,70                                                                              |
| 5200006549      | 30.06.2003   | 24.634,11                                                                              |
| 5200002951      | 29.02.2004   | 24.611,05                                                                              |
| 5200005256      | 01.09.2001   | 24.585,37                                                                              |
| 5200005102      | 31.08.2001   | -24.585,37                                                                             |
| 5200005571      | 30.04.2004   | 24.529,47                                                                              |
| 6000118886      | 08.04.2008   | 24.525,09                                                                              |
| 6000079334      | 10.04.2003   | 24.505,31                                                                              |
| 5200006664      | 31.10.2006   | 24.470,29                                                                              |
| 5200012809      | 30.04.2017   | -24.441,53                                                                             |
| 5200002130      | 31.05.2001   | 24.436,93                                                                              |
| 5200001951      | 01.06.2001   | -24.436,93                                                                             |
| 5200001546      | 31.01.2002   | 24.429,92                                                                              |
| 5200001709      | 01.02.2002   | -24.429,92                                                                             |
| 2782472         | 30.04.2000   | 24.424,14                                                                              |
| 2782473         | 02.05.2000   | -24.424,14                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2706564         | 01.03.1995   | 24.424,13                                                                              |
| 2706563         | 28.02.1995   | -24.424,13                                                                             |
| 6000120165      | 13.06.2003   | 24.411,52                                                                              |
| 5200011517      | 31.10.2003   | 24.386,69                                                                              |
| 9513376839      | 20.05.2015   | 24.372,11                                                                              |
| 6000299681      | 11.12.2006   | 24.351,95                                                                              |
| 6000376864      | 18.12.2007   | 24.316,06                                                                              |
| 5200008756      | 31.08.2003   | 24.307,12                                                                              |
| 5200017030      | 31.05.2017   | -24.298,72                                                                             |
| 6000162481      | 05.08.2002   | 24.288,43                                                                              |
| 2741052         | 30.06.1997   | 24.257,28                                                                              |
| 2741053         | 01.07.1997   | -24.257,28                                                                             |
| 5200005504      | 30.04.2002   | -24.216,70                                                                             |
| 5200006108      | 31.08.2005   | 24.204,21                                                                              |
| 2700906         | 01.07.1994   | 24.192,62                                                                              |
| 2700905         | 30.06.1994   | -24.192,62                                                                             |
| 2767130         | 31.03.1999   | 24.176,42                                                                              |
| 2767131         | 01.04.1999   | -24.176,42                                                                             |
| 6000194659      | 01.10.2003   | -24.137,22                                                                             |
| 6000093553      | 13.05.2003   | 24.122,67                                                                              |
| 2786936         | 01.07.1993   | 24.103,20                                                                              |
| 2786935         | 30.06.1993   | -24.103,20                                                                             |
| 2779156         | 31.01.2000   | 24.083,14                                                                              |
| 2779157         | 01.02.2000   | -24.083,14                                                                             |
| 5200009759      | 31.03.2013   | 24.071,39                                                                              |
| 5200042042      | 31.12.2017   | 24.030,02                                                                              |
| 6000209137      | 23.10.2003   | -23.977,23                                                                             |
| 2500000669      | 17.03.2010   | -23.958,41                                                                             |
| 5200005527      | 30.04.2004   | -23.956,23                                                                             |
| 4000359199      | 09.10.2014   | -23.948,54                                                                             |
| 5200037115      | 31.12.2001   | 23.947,57                                                                              |
| 6000112053      | 10.06.2003   | 23.942,88                                                                              |
| 6000217398      | 21.10.2002   | -23.938,26                                                                             |
| 2764331         | 31.01.1999   | 23.872,31                                                                              |
| 2764332         | 01.02.1999   | -23.872,31                                                                             |
| 2789487         | 31.10.2000   | 23.855,64                                                                              |
| 2789488         | 01.11.2000   | -23.855,64                                                                             |
| 2709515         | 01.06.1995   | 23.839,26                                                                              |
| 2709514         | 31.05.1995   | -23.839,26                                                                             |
| 6000059089      | 25.03.2003   | 23.833,60                                                                              |
| 5200007609      | 31.07.2003   | 23.796,45                                                                              |
| 6000110683      | 28.05.2002   | 23.765,59                                                                              |
| 6000084093      | 29.04.2003   | 23.763,68                                                                              |
| 5200020674      | 31.07.2013   | -23.761,64                                                                             |
| 2789372         | 01.11.2000   | 23.727,59                                                                              |
| 2789371         | 31.10.2000   | -23.727,59                                                                             |
| 2722663         | 31.05.1996   | 23.713,40                                                                              |
| 2722664         | 03.06.1996   | -23.713,40                                                                             |
| 2728460         | 01.11.1996   | 23.689,85                                                                              |
| 2728459         | 31.10.1996   | -23.689,85                                                                             |
| 5200005523      | 31.05.2003   | -23.685,30                                                                             |
| 2708638         | 02.05.1995   | 23.678,30                                                                              |
| 2708637         | 30.04.1995   | -23.678,30                                                                             |
| 2711415         | 01.08.1995   | 23.668,02                                                                              |
| 2711414         | 31.07.1995   | -23.668,02                                                                             |
| 2772415         | 31.07.1999   | 23.656,26                                                                              |
| 2772416         | 02.08.1999   | -23.656,26                                                                             |
| 5200002952      | 29.02.2004   | 23.653,68                                                                              |
| 5200005596      | 30.04.2004   | -23.653,03                                                                             |
| 2751979         | 31.03.1998   | 23.617,91                                                                              |
| 2751980         | 01.04.1998   | -23.617,91                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003983      | 28.02.2015   | 23.560,38                                                                              |
| 2775379         | 01.10.1999   | 23.549,27                                                                              |
| 2774537         | 01.09.1999   | -23.549,27                                                                             |
| 2701612         | 01.01.2001   | 23.517,08                                                                              |
| 2701611         | 31.12.2000   | -23.517,08                                                                             |
| 2703979         | 01.03.2001   | 23.502,07                                                                              |
| 2703978         | 28.02.2001   | -23.502,07                                                                             |
| 5200001507      | 31.01.2002   | 23.492,78                                                                              |
| 5200001670      | 01.02.2002   | -23.492,78                                                                             |
| 2781495         | 31.03.2000   | 23.477,36                                                                              |
| 2781496         | 03.04.2000   | -23.477,36                                                                             |
| 2668242         | 01.06.1993   | 23.471,01                                                                              |
| 2668241         | 31.05.1993   | -23.471,01                                                                             |
| 5200002165      | 30.06.2001   | 23.459,28                                                                              |
| 5200002352      | 01.07.2001   | -23.459,28                                                                             |
| 5200004003      | 01.08.2001   | 23.455,79                                                                              |
| 5200003849      | 31.07.2001   | -23.455,79                                                                             |
| 4500000768      | 20.02.2004   | 23.440,11                                                                              |
| 5200013988      | 31.12.2003   | 23.403,57                                                                              |
| 2736768         | 28.02.1997   | 23.390,51                                                                              |
| 2736769         | 03.03.1997   | -23.390,51                                                                             |
| 5200010741      | 31.10.2001   | 23.387,08                                                                              |
| 5200010871      | 01.11.2001   | -23.387,08                                                                             |
| 6000383281      | 21.12.2007   | 23.370,28                                                                              |
| 2788238         | 02.10.2000   | 23.365,04                                                                              |
| 2788237         | 30.09.2000   | -23.365,04                                                                             |
| 6000053661      | 16.03.2004   | -23.338,15                                                                             |
| 5200004318      | 31.03.2002   | 23.327,64                                                                              |
| 6000022963      | 04.02.2004   | 23.323,10                                                                              |
| 5200004024      | 01.08.2001   | 23.320,65                                                                              |
| 5200003870      | 31.07.2001   | -23.320,65                                                                             |
| 2780433         | 01.03.2000   | 23.305,91                                                                              |
| 2780432         | 29.02.2000   | -23.305,91                                                                             |
| 2500001463      | 20.05.2005   | 23.298,86                                                                              |
| 6000122228      | 25.06.2003   | 23.281,53                                                                              |
| 6000266780      | 26.11.2004   | 23.255,73                                                                              |
| 2764193         | 31.01.1999   | 23.235,89                                                                              |
| 2764194         | 01.02.1999   | -23.235,89                                                                             |
| 2769513         | 31.05.1999   | 23.230,15                                                                              |
| 2769514         | 01.06.1999   | -23.230,15                                                                             |
| 6000021188      | 26.01.2005   | 23.228,57                                                                              |
| 5200009159      | 01.08.2002   | 23.225,55                                                                              |
| 6000131153      | 04.07.2003   | 23.217,11                                                                              |
| 2500001646      | 29.06.2009   | 23.207,40                                                                              |
| 2707832         | 03.04.1995   | 23.200,56                                                                              |
| 2707831         | 31.03.1995   | -23.200,56                                                                             |
| 2600000639      | 17.09.2003   | -23.185,40                                                                             |
| 6000149487      | 16.07.2002   | 23.180,59                                                                              |
| 2700902         | 01.07.1994   | 23.171,76                                                                              |
| 2700901         | 30.06.1994   | -23.171,76                                                                             |
| 6000362597      | 17.10.2011   | -23.097,64                                                                             |
| 2701435         | 01.08.1994   | 23.050,85                                                                              |
| 2701434         | 31.07.1994   | -23.050,85                                                                             |
| 2782590         | 30.04.2000   | 23.023,17                                                                              |
| 2782591         | 02.05.2000   | -23.023,17                                                                             |
| 5200006743      | 31.05.2002   | -23.012,42                                                                             |
| 5200007608      | 31.07.2003   | 23.006,36                                                                              |
| 5200008734      | 31.08.2003   | 22.991,15                                                                              |
| 2726134         | 02.09.1996   | 22.968,67                                                                              |
| 2726133         | 31.08.1996   | -22.968,67                                                                             |
| 5200001194      | 31.01.2003   | -22.938,98                                                                             |

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| 6000403106      | 29.11.2010   | 22.919,59                                                                              |
| 2760504         | 02.11.1998   | 22.873,01                                                                              |
| 2760503         | 31.10.1998   | -22.873,01                                                                             |
| 2704089         | 01.03.2001   | 22.853,25                                                                              |
| 2704088         | 28.02.2001   | -22.853,25                                                                             |
| 2771093         | 30.06.1999   | 22.825,34                                                                              |
| 2771094         | 01.07.1999   | -22.825,34                                                                             |
| 2702756         | 01.02.2001   | 22.811,69                                                                              |
| 2702755         | 31.01.2001   | -22.811,69                                                                             |
| 5200005537      | 30.04.2004   | 22.784,79                                                                              |
| 2780399         | 01.03.2000   | 22.770,81                                                                              |
| 2780398         | 29.02.2000   | -22.770,81                                                                             |
| 6000182707      | 16.09.2003   | -22.747,66                                                                             |
| 2705259         | 31.03.2001   | 22.730,78                                                                              |
| 2705260         | 01.04.2001   | -22.730,78                                                                             |
| 5200002773      | 28.02.2002   | 22.728,78                                                                              |
| 5200002947      | 01.03.2002   | -22.728,78                                                                             |
| 9515111219      | 14.07.2017   | 22.686,04                                                                              |
| 6000024775      | 28.01.2005   | 22.674,40                                                                              |
| 5200002075      | 31.03.2007   | -22.576,09                                                                             |
| 5200002166      | 30.06.2001   | 22.567,89                                                                              |
| 5200002353      | 01.07.2001   | -22.567,89                                                                             |
| 5200002134      | 31.05.2001   | 22.554,98                                                                              |
| 5200001955      | 01.06.2001   | -22.554,98                                                                             |
| 2174270         | 01.07.1991   | 22.537,17                                                                              |
| 2174269         | 28.06.1991   | -22.537,17                                                                             |
| 5200013000      | 30.11.2003   | -22.476,04                                                                             |
| 2785916         | 01.08.2000   | 22.462,24                                                                              |
| 2785915         | 31.07.2000   | -22.462,24                                                                             |
| 2787088         | 31.08.2000   | 22.444,14                                                                              |
| 2787089         | 01.09.2000   | -22.444,14                                                                             |
| 5200000293      | 01.05.2001   | 22.419,27                                                                              |
| 5200000120      | 30.04.2001   | -22.419,27                                                                             |
| 5200003724      | 31.05.2008   | -22.404,64                                                                             |
| 2714217         | 01.11.1995   | 22.399,22                                                                              |
| 2714216         | 31.10.1995   | -22.399,22                                                                             |
| 6000011576      | 13.01.2009   | 22.397,69                                                                              |
| 5200008717      | 31.08.2003   | 22.390,91                                                                              |
| 5200005539      | 30.04.2004   | -22.384,71                                                                             |
| 5200004213      | 30.06.2010   | 22.370,59                                                                              |
| 5200005544      | 31.05.2003   | -22.369,73                                                                             |
| 6000175526      | 22.08.2002   | 22.347,24                                                                              |
| 5200012680      | 31.12.2004   | -22.346,82                                                                             |
| 5200002971      | 29.02.2004   | 22.337,53                                                                              |
| 5200012215      | 30.11.2004   | 22.325,40                                                                              |
| 2600082361      | 05.08.2010   | 22.320,64                                                                              |
| 2600082362      | 05.08.2010   | 22.320,64                                                                              |
| 5200010021      | 30.09.2003   | -22.311,77                                                                             |
| 5200010352      | 31.08.2002   | 22.294,78                                                                              |
| 2726151         | 31.08.1996   | 22.286,40                                                                              |
| 2726152         | 02.09.1996   | -22.286,40                                                                             |
| 6000045481      | 04.03.2004   | -22.278,05                                                                             |
| 5200001504      | 31.01.2002   | 22.264,34                                                                              |
| 5200001667      | 01.02.2002   | -22.264,34                                                                             |
| 2700716         | 30.11.2000   | 22.244,52                                                                              |
| 2700717         | 01.12.2000   | -22.244,52                                                                             |
| 5200010088      | 30.09.2003   | 22.218,51                                                                              |
| 2760581         | 31.10.1998   | 22.199,73                                                                              |
| 2760582         | 02.11.1998   | -22.199,73                                                                             |
| 5200001192      | 31.01.2003   | -22.193,44                                                                             |
| 6000140714      | 18.07.2003   | 22.179,30                                                                              |

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| 5200005487      | 31.05.2003   | 22.179,15                                                                              |
| 2706578         | 01.03.1995   | 22.173,17                                                                              |
| 2706577         | 28.02.1995   | -22.173,17                                                                             |
| 5200000126      | 30.04.2001   | 22.138,25                                                                              |
| 5200000299      | 01.05.2001   | -22.138,25                                                                             |
| 2500000375      | 21.04.2016   | 22.124,25                                                                              |
| 5200001270      | 31.01.2004   | 22.084,81                                                                              |
| 2500002333      | 21.05.2002   | -22.068,28                                                                             |
| 2722504         | 03.06.1996   | 21.998,02                                                                              |
| 2722503         | 31.05.1996   | -21.998,02                                                                             |
| 6000413087      | 06.12.2010   | 21.997,96                                                                              |
| 6000100408      | 02.05.2005   | 21.992,68                                                                              |
| 5200005268      | 01.09.2001   | 21.985,39                                                                              |
| 5200005114      | 31.08.2001   | -21.985,39                                                                             |
| 2702727         | 31.01.2001   | 21.975,46                                                                              |
| 2702728         | 01.02.2001   | -21.975,46                                                                             |
| 5200009594      | 31.10.2001   | 21.931,60                                                                              |
| 5200009948      | 01.11.2001   | -21.931,60                                                                             |
| 2500002445      | 25.09.2009   | 21.848,55                                                                              |
| 6000202090      | 14.10.2003   | 21.816,66                                                                              |
| 2702929         | 31.01.2001   | 21.800,08                                                                              |
| 2702930         | 01.02.2001   | -21.800,08                                                                             |
| 5200010478      | 30.09.2004   | -21.797,91                                                                             |
| 2701726         | 01.01.2001   | 21.794,48                                                                              |
| 2701725         | 31.12.2000   | -21.794,48                                                                             |
| 5200001536      | 31.01.2002   | 21.771,54                                                                              |
| 5200001699      | 01.02.2002   | -21.771,54                                                                             |
| 2759292         | 01.10.1998   | 21.759,62                                                                              |
| 2759291         | 30.09.1998   | -21.759,62                                                                             |
| 5200008008      | 30.06.2004   | 21.753,65                                                                              |
| 2721377         | 30.04.1996   | 21.744,47                                                                              |
| 2721378         | 02.05.1996   | -21.744,47                                                                             |
| 2704086         | 28.02.2001   | 21.740,19                                                                              |
| 2704087         | 01.03.2001   | -21.740,19                                                                             |
| 2721405         | 30.04.1996   | 21.728,21                                                                              |
| 2721406         | 02.05.1996   | -21.728,21                                                                             |
| 5200006105      | 31.08.2005   | -21.720,12                                                                             |
| 5200010087      | 30.09.2003   | -21.713,90                                                                             |
| 5200019761      | 31.08.2012   | -21.702,15                                                                             |
| 2524055         | 01.10.1999   | 21.698,05                                                                              |
| 2523651         | 30.09.1999   | -21.698,05                                                                             |
| 5200003389      | 31.03.2003   | 21.696,91                                                                              |
| 2600000212      | 21.03.2003   | 21.694,23                                                                              |
| 5200004740      | 31.07.2006   | 21.689,25                                                                              |
| 5200000826      | 31.01.2005   | -21.679,21                                                                             |
| 5200006782      | 31.05.2002   | -21.675,36                                                                             |
| 2701568         | 01.01.2001   | 21.666,53                                                                              |
| 2701567         | 31.12.2000   | -21.666,53                                                                             |
| 2500002397      | 23.09.2008   | -21.642,88                                                                             |
| 5200001923      | 31.03.2006   | -21.638,97                                                                             |
| 2769561         | 31.05.1999   | 21.629,77                                                                              |
| 2769562         | 01.06.1999   | -21.629,77                                                                             |
| 6000259615      | 23.12.2003   | 21.593,00                                                                              |
| 2721511         | 30.04.1996   | 21.572,15                                                                              |
| 2721512         | 02.05.1996   | -21.572,15                                                                             |
| 5200006025      | 30.09.2001   | 21.557,58                                                                              |
| 5200006033      | 01.10.2001   | -21.557,58                                                                             |
| 6000119397      | 17.05.2006   | 21.537,56                                                                              |
| 5200006804      | 31.05.2004   | -21.530,17                                                                             |
| 5200006789      | 31.05.2004   | -21.525,30                                                                             |
| 2701439         | 01.08.1994   | 21.520,67                                                                              |

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| 2701438         | 31.07.1994   | -21.520,67                                                                             |
| 5200005999      | 30.09.2006   | -21.516,81                                                                             |
| 2701505         | 01.08.1994   | 21.510,37                                                                              |
| 2701504         | 31.07.1994   | -21.510,37                                                                             |
| 5200012965      | 30.11.2003   | -21.503,18                                                                             |
| 2703869         | 01.03.2001   | 21.501,74                                                                              |
| 2703868         | 28.02.2001   | -21.501,74                                                                             |
| 5200005287      | 01.09.2001   | 21.499,10                                                                              |
| 5200005133      | 31.08.2001   | -21.499,10                                                                             |
| 6000105174      | 09.05.2005   | -21.499,04                                                                             |
| 6000140765      | 17.06.2005   | -21.498,99                                                                             |
| 2788273         | 30.09.2000   | 21.490,93                                                                              |
| 2788274         | 02.10.2000   | -21.490,93                                                                             |
| 2700048         | 02.05.1994   | 21.478,84                                                                              |
| 2700047         | 30.04.1994   | -21.478,84                                                                             |
| 5200005560      | 30.04.2004   | -21.455,57                                                                             |
| 2769769         | 31.05.1999   | 21.447,52                                                                              |
| 2769770         | 01.06.1999   | -21.447,52                                                                             |
| 5200005503      | 31.05.2003   | -21.447,20                                                                             |
| 2702977         | 31.01.2001   | 21.408,50                                                                              |
| 2702978         | 01.02.2001   | -21.408,50                                                                             |
| 5200005470      | 31.08.2001   | 21.408,46                                                                              |
| 5200005480      | 01.09.2001   | -21.408,46                                                                             |
| 5200005555      | 31.05.2003   | -21.366,48                                                                             |
| 6000149104      | 30.04.2008   | 21.333,45                                                                              |
| 5200013910      | 30.11.2002   | 21.328,93                                                                              |
| 2726254         | 02.09.1996   | 21.323,78                                                                              |
| 2726253         | 31.08.1996   | -21.323,78                                                                             |
| 2760496         | 02.11.1998   | 21.310,88                                                                              |
| 2760495         | 31.10.1998   | -21.310,88                                                                             |
| 5200007402      | 30.06.2002   | -21.305,13                                                                             |
| 2743562         | 01.09.1997   | 21.212,41                                                                              |
| 2743561         | 31.08.1997   | -21.212,41                                                                             |
| 5200022442      | 31.08.2015   | -21.190,48                                                                             |
| 2500001893      | 29.07.2009   | 21.171,12                                                                              |
| 2704193         | 01.12.1994   | 21.161,50                                                                              |
| 2704192         | 30.11.1994   | -21.161,50                                                                             |
| 2741192         | 30.06.1997   | 21.134,82                                                                              |
| 2741193         | 01.07.1997   | -21.134,82                                                                             |
| 5200006666      | 30.09.2008   | 21.121,67                                                                              |
| 5200012970      | 30.11.2003   | -21.117,82                                                                             |
| 2702988         | 01.02.2001   | 21.107,85                                                                              |
| 2702987         | 31.01.2001   | -21.107,85                                                                             |
| 2745924         | 31.10.1997   | 21.107,42                                                                              |
| 2745925         | 03.11.1997   | -21.107,42                                                                             |
| 2789988         | 02.05.1994   | 21.078,43                                                                              |
| 2789987         | 30.04.1994   | -21.078,43                                                                             |
| 2788887         | 01.02.1994   | 21.076,36                                                                              |
| 2788886         | 31.01.1994   | -21.076,36                                                                             |
| 5200002792      | 28.02.2002   | 21.074,40                                                                              |
| 5200002966      | 01.03.2002   | -21.074,40                                                                             |
| 5200002329      | 28.02.2003   | -21.068,89                                                                             |
| 5200010517      | 30.09.2004   | -21.051,29                                                                             |
| 6000311320      | 29.12.2005   | -21.034,05                                                                             |
| 6000166087      | 02.06.2017   | 21.032,31                                                                              |
| 5200006547      | 30.06.2003   | -21.021,20                                                                             |
| 2757999         | 01.09.1998   | 21.006,42                                                                              |
| 2757998         | 31.08.1998   | -21.006,42                                                                             |
| 5200005407      | 31.07.2005   | 20.952,52                                                                              |
| 2715237         | 01.12.1995   | 20.950,21                                                                              |
| 2715236         | 30.11.1995   | -20.950,21                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2770789         | 30.06.1999   | 20.922,55                                                                              |
| 2770790         | 01.07.1999   | -20.922,55                                                                             |
| 2774506         | 01.09.1999   | 20.908,71                                                                              |
| 2775348         | 01.10.1999   | -20.908,71                                                                             |
| 6000276080      | 07.12.2004   | -20.898,37                                                                             |
| 5200008688      | 31.08.2003   | -20.897,84                                                                             |
| 2752179         | 31.03.1998   | 20.897,41                                                                              |
| 2752180         | 01.04.1998   | -20.897,41                                                                             |
| 2737766         | 31.03.1997   | 20.885,89                                                                              |
| 2737767         | 01.04.1997   | -20.885,89                                                                             |
| 5200014279      | 30.06.2012   | -20.876,56                                                                             |
| 2782622         | 30.04.2000   | 20.864,19                                                                              |
| 2782623         | 02.05.2000   | -20.864,19                                                                             |
| 2763151         | 04.01.1999   | 20.852,05                                                                              |
| 2763150         | 31.12.1998   | -20.852,05                                                                             |
| 2772501         | 31.07.1999   | 20.814,15                                                                              |
| 2772502         | 02.08.1999   | -20.814,15                                                                             |
| 6000127157      | 25.05.2006   | 20.798,91                                                                              |
| 5200005494      | 30.04.2002   | -20.777,74                                                                             |
| 5000002404      | 31.12.2010   | 20.776,70                                                                              |
| 5000001780      | 26.09.2011   | 20.776,70                                                                              |
| 5200007963      | 31.12.2010   | -20.776,70                                                                             |
| 5200007964      | 31.12.2010   | -20.776,70                                                                             |
| 6000054663      | 07.03.2005   | -20.761,62                                                                             |
| 5200006811      | 31.05.2004   | 20.758,39                                                                              |
| 5200010048      | 30.09.2003   | -20.737,73                                                                             |
| 2717871         | 31.01.1996   | 20.734,67                                                                              |
| 2717872         | 01.02.1996   | -20.734,67                                                                             |
| 6000158344      | 23.07.2004   | 20.711,29                                                                              |
| 6000186076      | 05.08.2005   | -20.695,11                                                                             |
| 2722557         | 31.05.1996   | 20.674,73                                                                              |
| 2722558         | 03.06.1996   | -20.674,73                                                                             |
| 6000088684      | 06.05.2003   | -20.665,26                                                                             |
| 5200004107      | 30.06.2007   | -20.660,89                                                                             |
| 5200001778      | 28.02.2005   | -20.649,13                                                                             |
| 5200002342      | 28.02.2003   | -20.639,54                                                                             |
| 6000039894      | 27.02.2003   | 20.637,57                                                                              |
| 6000070305      | 06.04.2004   | -20.590,64                                                                             |
| 5200037120      | 31.12.2001   | -20.584,30                                                                             |
| 6000131525      | 28.06.2004   | 20.550,65                                                                              |
| 5200002128      | 31.05.2001   | 20.509,40                                                                              |
| 5200001949      | 01.06.2001   | -20.509,40                                                                             |
| 2708614         | 02.05.1995   | 20.506,08                                                                              |
| 2708613         | 30.04.1995   | -20.506,08                                                                             |
| 5200004435      | 30.06.2008   | -20.506,06                                                                             |
| 5200002976      | 29.02.2004   | 20.503,24                                                                              |
| 2712360         | 01.09.1995   | 20.485,17                                                                              |
| 2712359         | 31.08.1995   | -20.485,17                                                                             |
| 2780358         | 29.02.2000   | 20.465,77                                                                              |
| 2780359         | 01.03.2000   | -20.465,77                                                                             |
| 5200007835      | 31.12.2010   | -20.444,31                                                                             |
| 2704095         | 01.03.2001   | 20.421,54                                                                              |
| 2704094         | 28.02.2001   | -20.421,54                                                                             |
| 2780368         | 29.02.2000   | 20.417,06                                                                              |
| 2780369         | 01.03.2000   | -20.417,06                                                                             |
| 6000243332      | 03.12.2003   | -20.414,70                                                                             |
| 5200002774      | 30.04.2007   | -20.408,83                                                                             |
| 6000054227      | 18.03.2003   | 20.367,80                                                                              |
| 5200003882      | 31.07.2001   | 20.363,08                                                                              |
| 5200004036      | 01.08.2001   | -20.363,08                                                                             |
| 2500000164      | 24.01.2006   | -20.352,79                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005262      | 01.09.2001   | 20.307,90                                                                              |
| 5200005108      | 31.08.2001   | -20.307,90                                                                             |
| 2742331         | 01.08.1997   | 20.293,03                                                                              |
| 2742330         | 31.07.1997   | -20.293,03                                                                             |
| 2739903         | 31.05.1997   | 20.280,30                                                                              |
| 2739904         | 02.06.1997   | -20.280,30                                                                             |
| 5200005971      | 30.09.2008   | 20.207,57                                                                              |
| 5200005969      | 31.08.2008   | -20.207,57                                                                             |
| 2600000214      | 07.06.2002   | -20.197,40                                                                             |
| 5200007406      | 30.06.2002   | -20.195,48                                                                             |
| 2707810         | 03.04.1995   | 20.180,45                                                                              |
| 2707809         | 31.03.1995   | -20.180,45                                                                             |
| 2706554         | 01.03.1995   | 20.178,56                                                                              |
| 2706553         | 28.02.1995   | -20.178,56                                                                             |
| 5200007619      | 31.07.2003   | 20.178,02                                                                              |
| 6000356713      | 11.10.2011   | -20.157,24                                                                             |
| 2702800         | 01.02.2001   | 20.153,54                                                                              |
| 2702799         | 31.01.2001   | -20.153,54                                                                             |
| 2730846         | 31.12.1996   | 20.148,24                                                                              |
| 2730847         | 02.01.1997   | -20.148,24                                                                             |
| 2500002721      | 31.10.2007   | 20.139,98                                                                              |
| 5200010348      | 31.08.2002   | -20.079,29                                                                             |
| 6000132510      | 17.04.2008   | 20.061,98                                                                              |
| 2783826         | 31.05.2000   | 20.061,14                                                                              |
| 2783827         | 05.06.2000   | -20.061,14                                                                             |
| 2752043         | 31.03.1998   | 20.047,51                                                                              |
| 2752044         | 01.04.1998   | -20.047,51                                                                             |
| 5200001241      | 31.01.2004   | -20.023,54                                                                             |
| 2736566         | 28.02.1997   | 20.015,32                                                                              |
| 2736567         | 03.03.1997   | -20.015,32                                                                             |
| 2703927         | 01.03.2001   | 20.005,87                                                                              |
| 2703926         | 28.02.2001   | -20.005,87                                                                             |
| 5200025789      | 30.09.2016   | -19.998,20                                                                             |
| 6000419791      | 30.11.2008   | -19.969,58                                                                             |
| 5200005219      | 31.07.2008   | 19.937,25                                                                              |
| 2789424         | 01.11.2000   | 19.928,12                                                                              |
| 2789423         | 31.10.2000   | -19.928,12                                                                             |
| 5200011569      | 30.09.2002   | 19.909,31                                                                              |
| 5200010502      | 30.09.2004   | -19.892,31                                                                             |
| 5200000818      | 31.01.2005   | 19.871,66                                                                              |
| 5200014060      | 31.12.2003   | -19.870,83                                                                             |
| 5200008736      | 31.08.2003   | 19.869,80                                                                              |
| 5200001226      | 31.01.2003   | 19.866,84                                                                              |
| 2700500         | 01.06.1994   | 19.863,09                                                                              |
| 2700499         | 31.05.1994   | -19.863,09                                                                             |
| 5200011323      | 31.10.2004   | -19.852,37                                                                             |
| 6000038630      | 26.02.2003   | 19.850,05                                                                              |
| 2702595         | 04.10.1994   | 19.822,33                                                                              |
| 2702594         | 30.09.1994   | -19.822,33                                                                             |
| 2706542         | 01.03.1995   | 19.798,27                                                                              |
| 2706541         | 28.02.1995   | -19.798,27                                                                             |
| 6000169800      | 04.08.2004   | -19.774,14                                                                             |
| 5200010022      | 30.09.2003   | 19.773,20                                                                              |
| 5200002167      | 30.06.2001   | 19.747,38                                                                              |
| 5200002354      | 01.07.2001   | -19.747,38                                                                             |
| 5200013986      | 31.12.2003   | -19.731,08                                                                             |
| 5200007585      | 31.07.2003   | -19.715,63                                                                             |
| 2717951         | 31.01.1996   | 19.709,72                                                                              |
| 2717952         | 01.02.1996   | -19.709,72                                                                             |
| 2786057         | 31.07.2000   | 19.706,35                                                                              |
| 2786058         | 01.08.2000   | -19.706,35                                                                             |

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| 2708636         | 02.05.1995   | 19.697,67                                                                              |
| 2708635         | 30.04.1995   | -19.697,67                                                                             |
| 2668285         | 01.06.1993   | 19.694,53                                                                              |
| 2668284         | 31.05.1993   | -19.694,53                                                                             |
| 4000410787      | 29.12.2015   | -19.687,60                                                                             |
| 5200013937      | 30.11.2002   | -19.664,27                                                                             |
| 2702812         | 01.02.2001   | 19.658,49                                                                              |
| 2702811         | 31.01.2001   | -19.658,49                                                                             |
| 5200001295      | 31.01.2004   | -19.593,30                                                                             |
| 6000351210      | 28.11.2007   | 19.589,35                                                                              |
| 6000310068      | 05.09.2008   | -19.589,33                                                                             |
| 5200037151      | 31.12.2001   | 19.559,46                                                                              |
| 2752029         | 31.03.1998   | 19.544,79                                                                              |
| 2752030         | 01.04.1998   | -19.544,79                                                                             |
| 2700914         | 01.07.1994   | 19.538,19                                                                              |
| 2700913         | 30.06.1994   | -19.538,19                                                                             |
| 6000066127      | 27.02.2009   | -19.527,06                                                                             |
| 5200000823      | 31.01.2005   | 19.509,17                                                                              |
| 2779199         | 01.02.2000   | 19.491,51                                                                              |
| 2779198         | 31.01.2000   | -19.491,51                                                                             |
| 6000285534      | 14.12.2004   | 19.466,56                                                                              |
| 5200000280      | 01.05.2001   | 19.450,06                                                                              |
| 5200000107      | 30.04.2001   | -19.450,06                                                                             |
| 6000014808      | 19.01.2005   | 19.448,18                                                                              |
| 5200004114      | 30.06.2007   | -19.447,45                                                                             |
| 5200006889      | 31.10.2007   | 19.432,62                                                                              |
| 5200014515      | 31.12.2002   | -19.431,02                                                                             |
| 6000116326      | 16.06.2003   | 19.406,56                                                                              |
| 2723799         | 30.06.1996   | 19.394,64                                                                              |
| 2723800         | 01.07.1996   | -19.394,64                                                                             |
| 2707830         | 03.04.1995   | 19.394,60                                                                              |
| 2707829         | 31.03.1995   | -19.394,60                                                                             |
| 2720184         | 01.04.1996   | 19.390,57                                                                              |
| 2720183         | 31.03.1996   | -19.390,57                                                                             |
| 2500000076      | 07.01.2004   | 19.387,15                                                                              |
| 2783867         | 05.06.2000   | 19.376,58                                                                              |
| 2783866         | 31.05.2000   | -19.376,58                                                                             |
| 4500002459      | 19.09.2006   | 19.369,58                                                                              |
| 6000141410      | 17.06.2005   | -19.338,64                                                                             |
| 2782604         | 30.04.2000   | 19.325,60                                                                              |
| 2782605         | 02.05.2000   | -19.325,60                                                                             |
| 2783638         | 31.05.2000   | 19.285,66                                                                              |
| 2783639         | 05.06.2000   | -19.285,66                                                                             |
| 2500001183      | 18.05.2010   | -19.277,12                                                                             |
| 6000040871      | 28.02.2003   | 19.270,06                                                                              |
| 5200009939      | 01.11.2001   | 19.262,08                                                                              |
| 5200009584      | 31.10.2001   | -19.262,08                                                                             |
| 2702018         | 01.09.1994   | 19.244,19                                                                              |
| 2702017         | 31.08.1994   | -19.244,19                                                                             |
| 6000262830      | 07.11.2005   | 19.224,21                                                                              |
| 6000036489      | 23.02.2004   | 19.178,62                                                                              |
| 5200007586      | 31.07.2003   | -19.155,57                                                                             |
| 2783868         | 31.05.2000   | 19.141,56                                                                              |
| 2783869         | 05.06.2000   | -19.141,56                                                                             |
| 5200005502      | 30.04.2002   | -19.127,78                                                                             |
| 2500000798      | 31.03.2010   | -19.093,16                                                                             |
| 2782505         | 02.05.2000   | 19.088,43                                                                              |
| 2782504         | 30.04.2000   | -19.088,43                                                                             |
| 2737932         | 31.03.1997   | 19.073,87                                                                              |
| 2737933         | 01.04.1997   | -19.073,87                                                                             |
| 2701773         | 31.12.2000   | 19.061,79                                                                              |

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| 2701774         | 01.01.2001   | -19.061,79                                                                             |
| 2705116         | 01.04.2001   | 19.058,87                                                                              |
| 2705115         | 31.03.2001   | -19.058,87                                                                             |
| 2779210         | 31.01.2000   | 19.046,48                                                                              |
| 2779211         | 01.02.2000   | -19.046,48                                                                             |
| 5200002362      | 28.02.2003   | 19.046,47                                                                              |
| 5200009964      | 01.11.2001   | 19.045,53                                                                              |
| 5200009610      | 31.10.2001   | -19.045,53                                                                             |
| 5200002350      | 01.07.2001   | 19.013,01                                                                              |
| 5200002163      | 30.06.2001   | -19.013,01                                                                             |
| 5200005539      | 31.05.2003   | -18.990,62                                                                             |
| 6000051142      | 14.03.2003   | 18.989,06                                                                              |
| 5200006552      | 30.06.2003   | 18.978,40                                                                              |
| 5200001235      | 31.01.2003   | -18.967,24                                                                             |
| 5200004430      | 30.04.2003   | -18.962,51                                                                             |
| 6000386591      | 24.12.2007   | 18.937,47                                                                              |
| 5200001240      | 31.01.2004   | -18.928,16                                                                             |
| 4500006984      | 20.10.2003   | -18.923,09                                                                             |
| 2728510         | 01.11.1996   | 18.914,69                                                                              |
| 2728509         | 31.10.1996   | -18.914,69                                                                             |
| 5200012703      | 31.12.2004   | -18.912,73                                                                             |
| 5200005871      | 01.10.2001   | 18.906,98                                                                              |
| 5200005712      | 30.09.2001   | -18.906,98                                                                             |
| 2743423         | 31.08.1997   | 18.896,47                                                                              |
| 2743424         | 01.09.1997   | -18.896,47                                                                             |
| 5200012705      | 31.12.2004   | -18.891,69                                                                             |
| 2500001181      | 20.05.2008   | 18.876,93                                                                              |
| 5200013941      | 30.11.2002   | -18.869,02                                                                             |
| 5200001774      | 28.02.2005   | -18.865,65                                                                             |
| 5200006814      | 31.05.2004   | -18.861,56                                                                             |
| 5200004137      | 30.06.2009   | -18.840,34                                                                             |
| 5200007552      | 31.07.2003   | 18.834,36                                                                              |
| 2765665         | 28.02.1999   | 18.828,11                                                                              |
| 2765666         | 01.03.1999   | -18.828,11                                                                             |
| 2774533         | 01.09.1999   | 18.802,14                                                                              |
| 2775375         | 01.10.1999   | -18.802,14                                                                             |
| 5200006823      | 30.09.2005   | 18.792,30                                                                              |
| 5200012981      | 30.11.2003   | -18.785,78                                                                             |
| 5200004320      | 31.03.2002   | -18.764,12                                                                             |
| 6000319560      | 02.11.2007   | 18.757,83                                                                              |
| 6000319558      | 02.11.2007   | 18.757,54                                                                              |
| 6000152969      | 19.07.2004   | 18.731,81                                                                              |
| 5200001240      | 31.01.2003   | -18.683,95                                                                             |
| 2772742         | 02.08.1999   | 18.679,60                                                                              |
| 2772741         | 31.07.1999   | -18.679,60                                                                             |
| 6000064014      | 28.02.2010   | -18.672,90                                                                             |
| 2717280         | 31.12.1995   | 18.670,51                                                                              |
| 2717281         | 02.01.1996   | -18.670,51                                                                             |
| 5200001540      | 29.02.2008   | -18.646,98                                                                             |
| 6000034870      | 20.02.2003   | 18.644,93                                                                              |
| 5200042049      | 31.12.2017   | 18.634,27                                                                              |
| 2770889         | 30.06.1999   | 18.618,62                                                                              |
| 2770890         | 01.07.1999   | -18.618,62                                                                             |
| 5200009102      | 31.07.2002   | 18.574,14                                                                              |
| 6000248078      | 20.10.2005   | -18.572,20                                                                             |
| 6000152497      | 30.04.2008   | 18.526,08                                                                              |
| 2720286         | 01.04.1996   | 18.499,48                                                                              |
| 2720285         | 31.03.1996   | -18.499,48                                                                             |
| 6000113032      | 11.06.2003   | 18.492,53                                                                              |
| 5200008871      | 31.07.2004   | 18.486,41                                                                              |
| 5200013989      | 31.12.2003   | -18.484,93                                                                             |

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| 5200006137      | 30.09.2007   | -18.477,16                                                                             |
| 2767143         | 31.03.1999   | 18.465,04                                                                              |
| 2767144         | 01.04.1999   | -18.465,04                                                                             |
| 5200004109      | 30.06.2007   | 18.445,03                                                                              |
| 2783864         | 31.05.2000   | 18.438,66                                                                              |
| 2783865         | 05.06.2000   | -18.438,66                                                                             |
| 2700619         | 01.12.2000   | 18.394,36                                                                              |
| 2700618         | 30.11.2000   | -18.394,36                                                                             |
| 2725063         | 01.08.1996   | 18.392,13                                                                              |
| 2725062         | 31.07.1996   | -18.392,13                                                                             |
| 6000271244      | 02.12.2004   | 18.388,68                                                                              |
| 6000004974      | 08.01.2004   | 18.381,86                                                                              |
| 2767072         | 31.03.1999   | 18.376,30                                                                              |
| 2767073         | 01.04.1999   | -18.376,30                                                                             |
| 5200002116      | 31.05.2001   | 18.344,50                                                                              |
| 5200001937      | 01.06.2001   | -18.344,50                                                                             |
| 5200001778      | 31.05.2001   | 18.336,02                                                                              |
| 5200001957      | 01.06.2001   | -18.336,02                                                                             |
| 2715275         | 01.12.1995   | 18.325,30                                                                              |
| 2715274         | 30.11.1995   | -18.325,30                                                                             |
| 2703316         | 01.11.1994   | 18.316,40                                                                              |
| 2703315         | 31.10.1994   | -18.316,40                                                                             |
| 5200007589      | 31.07.2003   | -18.274,55                                                                             |
| 5200007536      | 31.07.2003   | 18.269,59                                                                              |
| 2667472         | 01.05.1993   | 18.266,55                                                                              |
| 2667471         | 30.04.1993   | -18.266,55                                                                             |
| 5200037145      | 31.12.2001   | 18.264,25                                                                              |
| 6000226461      | 15.10.2004   | 18.262,50                                                                              |
| 2500000687      | 13.03.2008   | 18.258,40                                                                              |
| 2788207         | 30.09.2000   | 18.235,48                                                                              |
| 2788208         | 02.10.2000   | -18.235,48                                                                             |
| 5200004826      | 31.07.2007   | -18.214,82                                                                             |
| 2754407         | 02.06.1998   | 18.210,73                                                                              |
| 2754406         | 31.05.1998   | -18.210,73                                                                             |
| 5200002930      | 29.02.2004   | 18.206,84                                                                              |
| 2737690         | 31.03.1997   | 18.203,68                                                                              |
| 2737691         | 01.04.1997   | -18.203,68                                                                             |
| 2500002720      | 21.06.2002   | 18.181,35                                                                              |
| 5200036397      | 30.11.2001   | 18.179,61                                                                              |
| 5200036581      | 01.12.2001   | -18.179,61                                                                             |
| 2704125         | 01.12.1994   | 18.173,63                                                                              |
| 2704124         | 30.11.1994   | -18.173,63                                                                             |
| 2753189         | 04.05.1998   | 18.152,97                                                                              |
| 2753188         | 30.04.1998   | -18.152,97                                                                             |
| 5200003731      | 31.05.2009   | -18.139,96                                                                             |
| 2500001665      | 10.06.2005   | -18.135,30                                                                             |
| 5200011548      | 30.09.2002   | 18.096,63                                                                              |
| 2789471         | 31.10.2000   | 18.087,46                                                                              |
| 2789472         | 01.11.2000   | -18.087,46                                                                             |
| 5200010067      | 30.09.2003   | -18.079,27                                                                             |
| 2500001864      | 01.08.2008   | 18.077,82                                                                              |
| 2788373         | 30.09.2000   | 18.071,07                                                                              |
| 2788374         | 02.10.2000   | -18.071,07                                                                             |
| 5200001501      | 31.01.2002   | 18.067,32                                                                              |
| 5200001664      | 01.02.2002   | -18.067,32                                                                             |
| 5200004058      | 31.05.2005   | 18.042,73                                                                              |
| 2789560         | 05.04.1994   | 18.037,42                                                                              |
| 2789559         | 31.03.1994   | -18.037,42                                                                             |
| 2705289         | 31.03.2001   | 18.030,80                                                                              |
| 2705290         | 01.04.2001   | -18.030,80                                                                             |
| 5200005561      | 31.05.2003   | -18.025,94                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2715309         | 01.12.1995   | 18.021,98                                                                              |
| 2715308         | 30.11.1995   | -18.021,98                                                                             |
| 6000181887      | 16.09.2003   | -18.021,54                                                                             |
| 6000413505      | 20.12.2012   | -18.019,94                                                                             |
| 5200009746      | 31.08.2004   | -17.975,24                                                                             |
| 2785879         | 31.07.2000   | 17.950,81                                                                              |
| 2785880         | 01.08.2000   | -17.950,81                                                                             |
| 6000295332      | 23.12.2004   | 17.939,03                                                                              |
| 2788267         | 30.09.2000   | 17.929,80                                                                              |
| 2788268         | 02.10.2000   | -17.929,80                                                                             |
| 5200020529      | 31.08.2014   | 17.926,70                                                                              |
| 5200002149      | 30.06.2001   | 17.921,46                                                                              |
| 5200002336      | 01.07.2001   | -17.921,46                                                                             |
| 2785934         | 01.08.2000   | 17.875,81                                                                              |
| 2785933         | 31.07.2000   | -17.875,81                                                                             |
| 2600000542      | 18.08.2003   | -17.874,90                                                                             |
| 5200000130      | 30.04.2001   | 17.850,95                                                                              |
| 5200000303      | 01.05.2001   | -17.850,95                                                                             |
| 6000008436      | 08.01.2016   | 17.833,19                                                                              |
| 2705094         | 02.01.1995   | 17.818,88                                                                              |
| 2705093         | 31.12.1994   | -17.818,88                                                                             |
| 5200002967      | 29.02.2004   | 17.814,27                                                                              |
| 2783669         | 05.06.2000   | 17.813,47                                                                              |
| 2783668         | 31.05.2000   | -17.813,47                                                                             |
| 5200005578      | 30.04.2004   | -17.810,85                                                                             |
| 6000241785      | 03.11.2004   | 17.805,46                                                                              |
| 5200004434      | 30.04.2003   | 17.801,40                                                                              |
| 6000159253      | 26.07.2004   | -17.790,20                                                                             |
| 2769541         | 31.05.1999   | 17.784,85                                                                              |
| 2769542         | 01.06.1999   | -17.784,85                                                                             |
| 5200007401      | 31.10.2008   | 17.733,51                                                                              |
| 4500001717      | 09.05.2005   | -17.723,99                                                                             |
| 5200003062      | 30.04.2008   | 17.713,87                                                                              |
| 5200008718      | 31.08.2003   | 17.702,18                                                                              |
| 6000297285      | 27.12.2004   | 17.702,05                                                                              |
| 5200001436      | 28.02.2007   | -17.696,74                                                                             |
| 2700520         | 01.06.1994   | 17.683,27                                                                              |
| 2700519         | 31.05.1994   | -17.683,27                                                                             |
| 6000260545      | 23.12.2003   | 17.683,01                                                                              |
| 2788181         | 30.09.2000   | 17.657,03                                                                              |
| 2788182         | 02.10.2000   | -17.657,03                                                                             |
| 6000212173      | 07.09.2005   | -17.653,55                                                                             |
| 5200005506      | 30.04.2002   | -17.648,57                                                                             |
| 2701727         | 31.12.2000   | 17.642,60                                                                              |
| 2701728         | 01.01.2001   | -17.642,60                                                                             |
| 2785844         | 01.08.2000   | 17.631,72                                                                              |
| 2785843         | 31.07.2000   | -17.631,72                                                                             |
| 2712416         | 01.09.1995   | 17.616,88                                                                              |
| 2712415         | 31.08.1995   | -17.616,88                                                                             |
| 5200006757      | 31.05.2002   | -17.611,80                                                                             |
| 5200004111      | 30.06.2007   | 17.593,76                                                                              |
| 6000308833      | 05.10.2015   | 17.583,69                                                                              |
| 5200014552      | 31.12.2002   | -17.561,69                                                                             |
| 2600082358      | 05.08.2010   | 17.546,98                                                                              |
| 5200006517      | 30.06.2003   | 17.546,13                                                                              |
| 2500003336      | 06.07.2004   | -17.544,69                                                                             |
| 6000100426      | 26.03.2009   | -17.520,04                                                                             |
| 2787246         | 31.08.2000   | 17.516,38                                                                              |
| 2787247         | 01.09.2000   | -17.516,38                                                                             |
| 5200000268      | 01.05.2001   | 17.511,01                                                                              |
| 5200000095      | 30.04.2001   | -17.511,01                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000192105      | 13.09.2002   | 17.491,20                                                                              |
| 5200002668      | 31.01.2013   | -17.458,01                                                                             |
| 6000135365      | 11.07.2003   | 17.455,98                                                                              |
| 2500004847      | 17.11.2004   | 17.448,78                                                                              |
| 5200003387      | 31.05.2006   | -17.447,15                                                                             |
| 5200006759      | 31.05.2002   | -17.411,18                                                                             |
| 5200005458      | 31.08.2007   | -17.406,46                                                                             |
| 5200006589      | 30.06.2003   | -17.406,11                                                                             |
| 5200003396      | 31.03.2003   | 17.393,25                                                                              |
| 2701545         | 31.12.2000   | 17.390,10                                                                              |
| 2701546         | 01.01.2001   | -17.390,10                                                                             |
| 5200036428      | 30.11.2001   | 17.389,99                                                                              |
| 5200036612      | 01.12.2001   | -17.389,99                                                                             |
| 6000008435      | 08.01.2016   | 17.388,97                                                                              |
| 6000094859      | 26.04.2005   | -17.384,38                                                                             |
| 5200004817      | 31.07.2007   | 17.380,39                                                                              |
| 2600082360      | 05.08.2010   | 17.375,71                                                                              |
| 5200019903      | 31.07.2016   | -17.340,41                                                                             |
| 2716913         | 31.12.1995   | 17.327,91                                                                              |
| 2716173         | 02.01.1996   | 17.327,91                                                                              |
| 2717381         | 02.01.1996   | 17.327,91                                                                              |
| 2716172         | 31.12.1995   | -17.327,91                                                                             |
| 2717380         | 31.12.1995   | -17.327,91                                                                             |
| 2716914         | 02.01.1996   | -17.327,91                                                                             |
| 5200010025      | 30.09.2003   | -17.325,32                                                                             |
| 2702010         | 01.09.1994   | 17.317,40                                                                              |
| 2702009         | 31.08.1994   | -17.317,40                                                                             |
| 2758056         | 31.08.1998   | 17.317,32                                                                              |
| 2758057         | 01.09.1998   | -17.317,32                                                                             |
| 2700972         | 01.07.1994   | 17.313,12                                                                              |
| 2700971         | 30.06.1994   | -17.313,12                                                                             |
| 2500002153      | 17.08.2006   | 17.305,48                                                                              |
| 2747013         | 30.11.1997   | 17.303,98                                                                              |
| 2747014         | 01.12.1997   | -17.303,98                                                                             |
| 5200003338      | 30.04.2005   | -17.303,34                                                                             |
| 2724933         | 01.08.1996   | 17.291,63                                                                              |
| 2724932         | 31.07.1996   | -17.291,63                                                                             |
| 5200012678      | 31.12.2004   | -17.289,08                                                                             |
| 5200011525      | 31.10.2003   | 17.268,24                                                                              |
| 2760532         | 02.11.1998   | 17.260,93                                                                              |
| 2760531         | 31.10.1998   | -17.260,93                                                                             |
| 2701513         | 01.08.1994   | 17.250,82                                                                              |
| 2701512         | 31.07.1994   | -17.250,82                                                                             |
| 2747184         | 01.12.1997   | 17.233,76                                                                              |
| 2747183         | 30.11.1997   | -17.233,76                                                                             |
| 2500001277      | 22.05.2007   | 17.203,47                                                                              |
| 2701622         | 01.01.2001   | 17.200,74                                                                              |
| 2701621         | 31.12.2000   | -17.200,74                                                                             |
| 2784885         | 30.06.2000   | 17.192,65                                                                              |
| 2784886         | 03.07.2000   | -17.192,65                                                                             |
| 4500000707      | 09.03.2007   | 17.169,19                                                                              |
| 2772516         | 02.08.1999   | 17.166,83                                                                              |
| 2772515         | 31.07.1999   | -17.166,83                                                                             |
| 6000312102      | 05.09.2008   | -17.149,43                                                                             |
| 5200005532      | 30.04.2002   | -17.142,13                                                                             |
| 5200042050      | 31.12.2017   | 17.135,66                                                                              |
| 5200010509      | 30.09.2004   | -17.127,74                                                                             |
| 6000036395      | 21.02.2003   | 17.114,27                                                                              |
| 2736726         | 28.02.1997   | 17.099,22                                                                              |
| 2736727         | 03.03.1997   | -17.099,22                                                                             |
| 2500000901      | 14.04.2008   | 17.080,44                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2700554         | 01.06.1994   | 17.074,57                                                                              |
| 2700553         | 31.05.1994   | -17.074,57                                                                             |
| 2787152         | 31.08.2000   | 17.020,57                                                                              |
| 2787153         | 01.09.2000   | -17.020,57                                                                             |
| 2759218         | 01.10.1998   | 17.018,66                                                                              |
| 2759217         | 30.09.1998   | -17.018,66                                                                             |
| 5200002161      | 30.06.2001   | 16.998,19                                                                              |
| 5200002348      | 01.07.2001   | -16.998,19                                                                             |
| 5200036620      | 01.12.2001   | 16.992,43                                                                              |
| 5200036436      | 30.11.2001   | -16.992,43                                                                             |
| 5200027564      | 31.08.2017   | -16.988,97                                                                             |
| 2788104         | 01.11.1993   | 16.986,91                                                                              |
| 2788103         | 31.10.1993   | -16.986,91                                                                             |
| 5200006735      | 31.05.2002   | -16.976,34                                                                             |
| 5200007615      | 31.07.2003   | 16.964,02                                                                              |
| 5200006754      | 31.05.2002   | 16.955,53                                                                              |
| 5200005897      | 01.10.2001   | 16.948,36                                                                              |
| 5200005738      | 30.09.2001   | -16.948,36                                                                             |
| 6000323410      | 17.09.2008   | -16.947,12                                                                             |
| 5200001759      | 28.02.2005   | -16.928,47                                                                             |
| 2708648         | 02.05.1995   | 16.912,42                                                                              |
| 2708647         | 30.04.1995   | -16.912,42                                                                             |
| 6000118488      | 18.06.2003   | 16.906,53                                                                              |
| 6000282543      | 30.08.2016   | 16.905,73                                                                              |
| 5200003339      | 30.04.2005   | -16.903,09                                                                             |
| 2717906         | 01.02.1996   | 16.894,87                                                                              |
| 2717905         | 31.01.1996   | -16.894,87                                                                             |
| 5200011551      | 30.09.2002   | 16.889,57                                                                              |
| 6000176568      | 22.08.2002   | 16.851,65                                                                              |
| 5200007282      | 30.11.2006   | -16.850,72                                                                             |
| 2710464         | 03.07.1995   | 16.846,18                                                                              |
| 2710463         | 30.06.1995   | -16.846,18                                                                             |
| 2707838         | 03.04.1995   | 16.829,90                                                                              |
| 2707837         | 31.03.1995   | -16.829,90                                                                             |
| 6000046430      | 05.03.2004   | 16.822,71                                                                              |
| 2787134         | 31.08.2000   | 16.817,79                                                                              |
| 2787135         | 01.09.2000   | -16.817,79                                                                             |
| 5200007534      | 31.07.2003   | -16.816,14                                                                             |
| 5200028716      | 31.10.2013   | -16.793,41                                                                             |
| 5200002360      | 28.02.2011   | -16.791,23                                                                             |
| 5200019902      | 31.07.2016   | 16.775,70                                                                              |
| 2706574         | 01.03.1995   | 16.775,18                                                                              |
| 2706573         | 28.02.1995   | -16.775,18                                                                             |
| 5200005745      | 30.09.2001   | 16.762,48                                                                              |
| 5200005904      | 01.10.2001   | -16.762,48                                                                             |
| 6000141278      | 09.07.2002   | 16.743,18                                                                              |
| 2783656         | 31.05.2000   | 16.739,29                                                                              |
| 2783657         | 05.06.2000   | -16.739,29                                                                             |
| 5200037110      | 31.12.2001   | 16.733,46                                                                              |
| 5200006564      | 30.06.2003   | 16.730,97                                                                              |
| 6000170776      | 29.08.2003   | -16.721,29                                                                             |
| 5200005559      | 31.05.2003   | 16.717,26                                                                              |
| 2789395         | 31.10.2000   | 16.679,16                                                                              |
| 2789396         | 01.11.2000   | -16.679,16                                                                             |
| 5200012939      | 30.11.2003   | -16.636,35                                                                             |
| 2788215         | 30.09.2000   | 16.633,71                                                                              |
| 2788216         | 02.10.2000   | -16.633,71                                                                             |
| 6000059185      | 10.03.2003   | 16.628,78                                                                              |
| 5200000869      | 31.01.2005   | -16.619,95                                                                             |
| 5200008738      | 31.08.2003   | 16.612,82                                                                              |
| 2717961         | 31.01.1996   | 16.606,17                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2717962         | 01.02.1996   | -16.606,17                                                                             |
| 2729822         | 02.12.1996   | 16.603,14                                                                              |
| 2729821         | 30.11.1996   | -16.603,14                                                                             |
| 6000412924      | 18.12.2009   | 16.600,42                                                                              |
| 6000223540      | 11.11.2003   | 16.598,31                                                                              |
| 6000087460      | 15.04.2005   | -16.597,76                                                                             |
| 2722657         | 31.05.1996   | 16.594,97                                                                              |
| 2722658         | 03.06.1996   | -16.594,97                                                                             |
| 5200000825      | 31.01.2005   | 16.577,26                                                                              |
| 2743435         | 31.08.1997   | 16.573,42                                                                              |
| 2743436         | 01.09.1997   | -16.573,42                                                                             |
| 6000168097      | 18.07.2005   | -16.555,56                                                                             |
| 2783727         | 05.06.2000   | 16.548,14                                                                              |
| 2783726         | 31.05.2000   | -16.548,14                                                                             |
| 5200004049      | 31.05.2005   | 16.536,15                                                                              |
| 5200005562      | 30.04.2004   | -16.530,21                                                                             |
| 5200014554      | 31.12.2002   | -16.522,60                                                                             |
| 5200012179      | 30.11.2004   | 16.512,01                                                                              |
| 2784710         | 03.07.2000   | 16.497,24                                                                              |
| 2784709         | 30.06.2000   | -16.497,24                                                                             |
| 5200008217      | 30.11.2005   | 16.481,75                                                                              |
| 5200028437      | 30.11.2014   | 16.474,77                                                                              |
| 6000135921      | 02.07.2002   | 16.472,35                                                                              |
| 5200000866      | 31.01.2005   | -16.468,12                                                                             |
| 2788272         | 02.10.2000   | 16.453,59                                                                              |
| 2788271         | 30.09.2000   | -16.453,59                                                                             |
| 6000031081      | 26.01.2016   | 16.451,89                                                                              |
| 2786033         | 31.07.2000   | 16.435,06                                                                              |
| 2786034         | 01.08.2000   | -16.435,06                                                                             |
| 2600000204      | 14.06.2004   | -16.434,21                                                                             |
| 2700684         | 30.11.2000   | 16.405,88                                                                              |
| 2700685         | 01.12.2000   | -16.405,88                                                                             |
| 5200008742      | 31.08.2003   | 16.405,34                                                                              |
| 2775374         | 01.10.1999   | 16.405,28                                                                              |
| 2774532         | 01.09.1999   | -16.405,28                                                                             |
| 6000021431      | 15.01.2002   | 16.383,28                                                                              |
| 5200039504      | 30.11.2017   | -16.369,83                                                                             |
| 6000095488      | 07.05.2004   | -16.368,56                                                                             |
| 5200005739      | 30.09.2001   | 16.359,20                                                                              |
| 5200005898      | 01.10.2001   | -16.359,20                                                                             |
| 5200008021      | 30.06.2004   | -16.353,25                                                                             |
| 2714237         | 01.11.1995   | 16.347,50                                                                              |
| 2714236         | 31.10.1995   | -16.347,50                                                                             |
| 6000008846      | 12.01.2006   | -16.342,54                                                                             |
| 5200007388      | 30.06.2002   | -16.312,95                                                                             |
| 6000009985      | 15.01.2003   | 16.304,97                                                                              |
| 2787714         | 01.10.1993   | 16.295,82                                                                              |
| 2787713         | 30.09.1993   | -16.295,82                                                                             |
| 2703842         | 28.02.2001   | 16.293,74                                                                              |
| 2703843         | 01.03.2001   | -16.293,74                                                                             |
| 2706582         | 01.03.1995   | 16.284,45                                                                              |
| 2706581         | 28.02.1995   | -16.284,45                                                                             |
| 5200002561      | 31.03.2005   | 16.279,34                                                                              |
| 2500003912      | 28.08.2002   | 16.264,68                                                                              |
| 2781639         | 31.03.2000   | 16.264,35                                                                              |
| 2781640         | 03.04.2000   | -16.264,35                                                                             |
| 6000136155      | 29.04.2010   | -16.257,05                                                                             |
| 2500003500      | 26.07.2004   | 16.254,74                                                                              |
| 5200006151      | 30.09.2007   | 16.254,74                                                                              |
| 4500002293      | 08.10.2007   | -16.254,74                                                                             |
| 2600000498      | 31.07.2003   | -16.222,79                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2781479         | 31.03.2000   | 16.215,63                                                                              |
| 2781480         | 03.04.2000   | -16.215,63                                                                             |
| 2767230         | 31.03.1999   | 16.213,47                                                                              |
| 2767231         | 01.04.1999   | -16.213,47                                                                             |
| 5200009753      | 31.08.2004   | -16.209,23                                                                             |
| 5200002253      | 31.03.2008   | -16.204,84                                                                             |
| 2787062         | 31.08.2000   | 16.196,82                                                                              |
| 2787063         | 01.09.2000   | -16.196,82                                                                             |
| 6000118840      | 10.06.2002   | 16.189,88                                                                              |
| 5200009944      | 01.11.2001   | 16.183,91                                                                              |
| 5200009590      | 31.10.2001   | -16.183,91                                                                             |
| 5200036577      | 01.12.2001   | 16.159,94                                                                              |
| 5200036393      | 30.11.2001   | -16.159,94                                                                             |
| 5200006570      | 30.06.2003   | 16.150,90                                                                              |
| 5200001546      | 29.02.2008   | -16.147,00                                                                             |
| 6000394377      | 12.12.2017   | 16.141,04                                                                              |
| 6000035410      | 20.02.2003   | 16.129,33                                                                              |
| 6000151053      | 23.06.2006   | 16.126,15                                                                              |
| 2732066         | 31.01.1997   | 16.100,46                                                                              |
| 2732067         | 03.02.1997   | -16.100,46                                                                             |
| 2784923         | 30.06.2000   | 16.089,71                                                                              |
| 2784924         | 03.07.2000   | -16.089,71                                                                             |
| 5200003875      | 31.07.2001   | 16.052,60                                                                              |
| 5200004029      | 01.08.2001   | -16.052,60                                                                             |
| 2600082363      | 05.08.2010   | 16.045,34                                                                              |
| 2600082364      | 05.08.2010   | 16.045,34                                                                              |
| 2741110         | 30.06.1997   | 16.042,35                                                                              |
| 2741111         | 01.07.1997   | -16.042,35                                                                             |
| 2788327         | 01.12.1993   | 16.042,02                                                                              |
| 2788326         | 30.11.1993   | -16.042,02                                                                             |
| 5200007417      | 30.06.2002   | 16.019,26                                                                              |
| 2667494         | 01.05.1993   | 16.011,49                                                                              |
| 2667493         | 30.04.1993   | -16.011,49                                                                             |
| 2748195         | 31.12.1997   | 16.009,57                                                                              |
| 2748196         | 02.01.1998   | -16.009,57                                                                             |
| 2700496         | 01.06.1994   | 15.985,34                                                                              |
| 2700495         | 31.05.1994   | -15.985,34                                                                             |
| 2500002586      | 28.05.2004   | -15.979,30                                                                             |
| 6000240058      | 11.07.2008   | 15.971,14                                                                              |
| 5200006541      | 30.06.2003   | 15.966,41                                                                              |
| 2500002881      | 30.06.2003   | 15.965,29                                                                              |
| 2701517         | 01.08.1994   | 15.964,48                                                                              |
| 2701516         | 31.07.1994   | -15.964,48                                                                             |
| 5200002286      | 28.02.2003   | -15.959,96                                                                             |
| 5200009906      | 01.11.2001   | 15.958,07                                                                              |
| 5200009555      | 31.10.2001   | -15.958,07                                                                             |
| 5200012768      | 31.10.2002   | 15.937,37                                                                              |
| 6000172601      | 02.09.2003   | -15.935,31                                                                             |
| 5200008021      | 30.06.2004   | 15.913,66                                                                              |
| 5200005708      | 30.09.2001   | 15.885,06                                                                              |
| 5200005867      | 01.10.2001   | -15.885,06                                                                             |
| 2789494         | 05.04.1994   | 15.878,18                                                                              |
| 2789493         | 31.03.1994   | -15.878,18                                                                             |
| 5200007293      | 30.11.2006   | -15.871,58                                                                             |
| 5200005563      | 30.04.2004   | 15.859,28                                                                              |
| 2742350         | 31.07.1997   | 15.849,78                                                                              |
| 2742351         | 01.08.1997   | -15.849,78                                                                             |
| 5200014565      | 31.12.2002   | 15.829,79                                                                              |
| 5200034052      | 31.12.2016   | 15.811,82                                                                              |
| 5200005566      | 31.05.2003   | -15.806,71                                                                             |
| 5200008054      | 30.06.2004   | 15.800,83                                                                              |

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000083799      | 23.04.2004   | -15.796,31                                                                             |
| 5200003442      | 31.03.2003   | -15.790,06                                                                             |
| 5200005373      | 31.08.2006   | 15.766,36                                                                              |
| 5200004055      | 31.05.2005   | 15.752,62                                                                              |
| 6000117518      | 07.06.2004   | -15.752,19                                                                             |
| 2500001012      | 20.04.2009   | 15.732,45                                                                              |
| 2600036971      | 24.02.2017   | 15.729,50                                                                              |
| 2703328         | 01.11.1994   | 15.729,33                                                                              |
| 2703327         | 31.10.1994   | -15.729,33                                                                             |
| 2787496         | 01.09.1993   | 15.710,74                                                                              |
| 2787495         | 31.08.1993   | -15.710,74                                                                             |
| 5200007546      | 31.07.2003   | -15.694,43                                                                             |
| 2769481         | 31.05.1999   | 15.682,33                                                                              |
| 2769482         | 01.06.1999   | -15.682,33                                                                             |
| 2500001478      | 21.06.2010   | -15.679,31                                                                             |
| 6000255245      | 15.11.2004   | 15.679,07                                                                              |
| 5200003388      | 31.03.2003   | 15.665,91                                                                              |
| 2721495         | 30.04.1996   | 15.648,39                                                                              |
| 2721496         | 02.05.1996   | -15.648,39                                                                             |
| 5200004498      | 30.04.2003   | -15.647,70                                                                             |
| 2754270         | 31.05.1998   | 15.645,61                                                                              |
| 2754271         | 02.06.1998   | -15.645,61                                                                             |
| 2700924         | 01.07.1994   | 15.638,86                                                                              |
| 2700923         | 30.06.1994   | -15.638,86                                                                             |
| 2711453         | 01.08.1995   | 15.633,73                                                                              |
| 2711452         | 31.07.1995   | -15.633,73                                                                             |
| 5200010354      | 31.08.2002   | 15.628,87                                                                              |
| 2700876         | 01.07.1994   | 15.599,95                                                                              |
| 2700875         | 30.06.1994   | -15.599,95                                                                             |
| 2787096         | 31.08.2000   | 15.593,54                                                                              |
| 2787097         | 01.09.2000   | -15.593,54                                                                             |
| 5200012178      | 30.11.2004   | -15.587,84                                                                             |
| 5200010349      | 31.08.2002   | -15.585,62                                                                             |
| 2786062         | 01.08.2000   | 15.581,58                                                                              |
| 2786061         | 31.07.2000   | -15.581,58                                                                             |
| 2704046         | 28.02.2001   | 15.578,45                                                                              |
| 2704047         | 01.03.2001   | -15.578,45                                                                             |
| 2701467         | 01.08.1994   | 15.578,35                                                                              |
| 2701466         | 31.07.1994   | -15.578,35                                                                             |
| 2667426         | 01.05.1993   | 15.570,76                                                                              |
| 2667425         | 30.04.1993   | -15.570,76                                                                             |
| 5200006797      | 31.05.2004   | -15.563,26                                                                             |
| 6000180439      | 28.05.2008   | 15.557,34                                                                              |
| 5200002309      | 28.02.2003   | -15.546,65                                                                             |
| 2784740         | 03.07.2000   | 15.544,43                                                                              |
| 2784739         | 30.06.2000   | -15.544,43                                                                             |
| 5200010504      | 30.09.2004   | -15.521,82                                                                             |
| 5200000728      | 31.01.2006   | -15.495,28                                                                             |
| 6000080398      | 20.04.2004   | -15.481,93                                                                             |
| 5200008707      | 31.08.2003   | 15.471,96                                                                              |
| 6000093546      | 13.05.2003   | 15.467,15                                                                              |
| 2787220         | 31.08.2000   | 15.464,76                                                                              |
| 2787221         | 01.09.2000   | -15.464,76                                                                             |
| 2702605         | 04.10.1994   | 15.450,77                                                                              |
| 2702604         | 30.09.1994   | -15.450,77                                                                             |
| 5200001226      | 31.01.2003   | -15.449,77                                                                             |
| 2787514         | 01.09.1993   | 15.442,65                                                                              |
| 2787513         | 31.08.1993   | -15.442,65                                                                             |
| 2705186         | 01.04.2001   | 15.435,48                                                                              |
| 2705185         | 31.03.2001   | -15.435,48                                                                             |
| 6000192568      | 05.06.2008   | 15.435,22                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2719211         | 01.03.1996   | 15.433,37                                                                              |
| 2719210         | 29.02.1996   | -15.433,37                                                                             |
| 5200001185      | 31.01.2003   | -15.423,24                                                                             |
| 6000187631      | 09.09.2002   | 15.420,49                                                                              |
| 6000118274      | 11.05.2007   | 15.416,95                                                                              |
| 5200005536      | 31.05.2003   | -15.394,29                                                                             |
| 2763135         | 04.01.1999   | 15.365,91                                                                              |
| 2763134         | 31.12.1998   | -15.365,91                                                                             |
| 2752084         | 01.04.1998   | 15.362,70                                                                              |
| 2752083         | 31.03.1998   | -15.362,70                                                                             |
| 5200033416      | 31.12.2015   | -15.359,78                                                                             |
| 2782466         | 30.04.2000   | 15.348,50                                                                              |
| 2782467         | 02.05.2000   | -15.348,50                                                                             |
| 2500000833      | 15.04.2011   | 15.346,70                                                                              |
| 2713333         | 02.10.1995   | 15.335,73                                                                              |
| 2713332         | 30.09.1995   | -15.335,73                                                                             |
| 5200010325      | 31.08.2002   | -15.331,91                                                                             |
| 6000012596      | 15.01.2003   | 15.328,68                                                                              |
| 2781673         | 31.03.2000   | 15.323,16                                                                              |
| 2781674         | 03.04.2000   | -15.323,16                                                                             |
| 2749448         | 31.01.1998   | 15.308,58                                                                              |
| 2749449         | 02.02.1998   | -15.308,58                                                                             |
| 2701958         | 01.09.1994   | 15.303,67                                                                              |
| 2701957         | 31.08.1994   | -15.303,67                                                                             |
| 5200010468      | 30.09.2004   | -15.300,39                                                                             |
| 2745883         | 03.11.1997   | 15.293,99                                                                              |
| 2745882         | 31.10.1997   | -15.293,99                                                                             |
| 6000032457      | 17.02.2004   | -15.276,28                                                                             |
| 2749442         | 31.01.1998   | 15.265,80                                                                              |
| 2749443         | 02.02.1998   | -15.265,80                                                                             |
| 2787508         | 01.09.1993   | 15.256,06                                                                              |
| 2787507         | 31.08.1993   | -15.256,06                                                                             |
| 5200014544      | 31.12.2002   | -15.244,09                                                                             |
| 5200028523      | 31.10.2015   | 15.241,11                                                                              |
| 2789455         | 31.10.2000   | 15.239,32                                                                              |
| 2789456         | 01.11.2000   | -15.239,32                                                                             |
| 5200005523      | 31.05.2003   | 15.238,14                                                                              |
| 2700734         | 30.11.2000   | 15.236,85                                                                              |
| 2700735         | 01.12.2000   | -15.236,85                                                                             |
| 5200007541      | 30.11.2007   | -15.236,29                                                                             |
| 2789998         | 02.05.1994   | 15.235,72                                                                              |
| 2789997         | 30.04.1994   | -15.235,72                                                                             |
| 5200001260      | 31.01.2004   | 15.228,08                                                                              |
| 2705057         | 31.03.2001   | 15.216,20                                                                              |
| 2705058         | 01.04.2001   | -15.216,20                                                                             |
| 6000388156      | 25.12.2007   | 15.213,30                                                                              |
| 2667448         | 01.05.1993   | 15.204,88                                                                              |
| 2667447         | 30.04.1993   | -15.204,88                                                                             |
| 5200001772      | 28.02.2005   | -15.204,39                                                                             |
| 5200006794      | 31.05.2004   | -15.204,10                                                                             |
| 2500001581      | 05.04.2004   | -15.192,77                                                                             |
| 2500002848      | 12.11.2009   | 15.190,21                                                                              |
| 5200034805      | 31.10.2017   | 15.156,61                                                                              |
| 5200003346      | 30.04.2005   | 15.155,93                                                                              |
| 5200012977      | 30.11.2003   | -15.146,17                                                                             |
| 2789357         | 31.10.2000   | 15.143,35                                                                              |
| 2789358         | 01.11.2000   | -15.143,35                                                                             |
| 5200006813      | 31.05.2004   | 15.138,26                                                                              |
| 6000212600      | 28.10.2003   | -15.111,03                                                                             |
| 5200017088      | 30.06.2015   | -15.103,47                                                                             |
| 2748363         | 31.12.1997   | 15.083,87                                                                              |

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| 2748364         | 02.01.1998   | -15.083,87                                                                             |
| 6000189952      | 01.09.2004   | 15.082,25                                                                              |
| 2703895         | 01.03.2001   | 15.069,90                                                                              |
| 2703894         | 28.02.2001   | -15.069,90                                                                             |
| 5200004243      | 31.03.2004   | -15.050,46                                                                             |
| 6000207509      | 23.09.2004   | 15.025,59                                                                              |
| 5200008057      | 30.06.2004   | 15.016,55                                                                              |
| 5200009977      | 01.11.2001   | 15.010,89                                                                              |
| 5200009623      | 31.10.2001   | -15.010,89                                                                             |
| 2764163         | 31.01.1999   | 15.002,20                                                                              |
| 2764164         | 01.02.1999   | -15.002,20                                                                             |
| 6000049812      | 28.02.2006   | -14.993,28                                                                             |
| 2710488         | 03.07.1995   | 14.983,53                                                                              |
| 2710487         | 30.06.1995   | -14.983,53                                                                             |
| 2705903         | 01.02.1995   | 14.975,48                                                                              |
| 2705902         | 31.01.1995   | -14.975,48                                                                             |
| 2500001725      | 30.06.2006   | 14.971,10                                                                              |
| 5200004234      | 31.03.2004   | 14.967,15                                                                              |
| 2743484         | 01.09.1997   | 14.959,12                                                                              |
| 2743483         | 31.08.1997   | -14.959,12                                                                             |
| 5200001790      | 31.05.2001   | 14.958,70                                                                              |
| 5200001969      | 01.06.2001   | -14.958,70                                                                             |
| 6000154690      | 28.06.2006   | 14.952,49                                                                              |
| 5200001511      | 31.01.2002   | 14.935,69                                                                              |
| 5200001674      | 01.02.2002   | -14.935,69                                                                             |
| 6000040896      | 17.02.2006   | 14.935,27                                                                              |
| 2500005174      | 13.11.2003   | 14.920,54                                                                              |
| 2764514         | 02.12.1991   | 14.899,72                                                                              |
| 2764477         | 30.11.1991   | -14.899,72                                                                             |
| 5200001737      | 28.02.2005   | 14.895,91                                                                              |
| 5200000096      | 30.04.2001   | 14.889,46                                                                              |
| 5200000269      | 01.05.2001   | -14.889,46                                                                             |
| 5200002946      | 29.02.2004   | 14.872,13                                                                              |
| 2783637         | 05.06.2000   | 14.871,01                                                                              |
| 2783636         | 31.05.2000   | -14.871,01                                                                             |
| 5200002564      | 31.03.2005   | 14.868,16                                                                              |
| 5200006781      | 31.05.2004   | -14.860,18                                                                             |
| 2759232         | 31.07.1991   | 14.854,76                                                                              |
| 2759197         | 01.08.1991   | 14.854,76                                                                              |
| 2759885         | 01.08.1991   | 14.854,76                                                                              |
| 2759162         | 31.07.1991   | -14.854,76                                                                             |
| 2759846         | 31.07.1991   | -14.854,76                                                                             |
| 2759271         | 01.08.1991   | -14.854,76                                                                             |
| 5200003720      | 28.02.2014   | -14.851,51                                                                             |
| 2668256         | 01.06.1993   | 14.850,05                                                                              |
| 2668255         | 31.05.1993   | -14.850,05                                                                             |
| 2777948         | 31.12.1999   | 14.848,06                                                                              |
| 2777949         | 03.01.2000   | -14.848,06                                                                             |
| 2789346         | 01.11.2000   | 14.842,35                                                                              |
| 2789345         | 31.10.2000   | -14.842,35                                                                             |
| 5200009751      | 31.08.2004   | -14.834,25                                                                             |
| 6000307422      | 19.12.2006   | 14.832,04                                                                              |
| 5200005525      | 30.04.2004   | -14.828,38                                                                             |
| 2716872         | 31.12.1995   | 14.823,27                                                                              |
| 2716129         | 02.01.1996   | 14.823,27                                                                              |
| 2717303         | 02.01.1996   | 14.823,27                                                                              |
| 2716128         | 31.12.1995   | -14.823,27                                                                             |
| 2717302         | 31.12.1995   | -14.823,27                                                                             |
| 2716873         | 02.01.1996   | -14.823,27                                                                             |
| 2700570         | 30.11.2000   | 14.796,43                                                                              |
| 2700571         | 01.12.2000   | -14.796,43                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000227396      | 01.11.2002   | -14.795,81                                                                             |
| 2700558         | 01.06.1994   | 14.787,29                                                                              |
| 2700557         | 31.05.1994   | -14.787,29                                                                             |
| 5200012674      | 31.12.2004   | -14.778,30                                                                             |
| 5200000831      | 31.01.2010   | 14.767,03                                                                              |
| 5200003424      | 31.03.2003   | 14.762,57                                                                              |
| 5200007590      | 31.07.2003   | -14.736,80                                                                             |
| 2750897         | 28.02.1998   | 14.725,25                                                                              |
| 2750898         | 02.03.1998   | -14.725,25                                                                             |
| 6000025215      | 07.02.2003   | -14.724,14                                                                             |
| 6000164225      | 29.07.2004   | 14.715,15                                                                              |
| 5200000116      | 30.04.2001   | 14.713,66                                                                              |
| 5200000289      | 01.05.2001   | -14.713,66                                                                             |
| 5200010472      | 30.09.2004   | -14.704,41                                                                             |
| 5200005877      | 01.10.2001   | 14.704,12                                                                              |
| 5200005718      | 30.09.2001   | -14.704,12                                                                             |
| 5200006661      | 31.10.2006   | -14.702,96                                                                             |
| 6000043886      | 22.02.2005   | -14.699,31                                                                             |
| 5200000814      | 31.01.2009   | 14.698,65                                                                              |
| 2729783         | 30.11.1996   | 14.669,80                                                                              |
| 2729784         | 02.12.1996   | -14.669,80                                                                             |
| 5200004307      | 31.03.2002   | -14.665,99                                                                             |
| 6000026224      | 10.02.2003   | 14.657,70                                                                              |
| 6000008434      | 08.01.2016   | 14.649,69                                                                              |
| 5200001426      | 28.02.2007   | -14.649,26                                                                             |
| 6000262421      | 22.11.2004   | 14.646,98                                                                              |
| 6000008433      | 08.01.2016   | 14.640,51                                                                              |
| 5200014044      | 31.12.2003   | -14.621,36                                                                             |
| 6000198430      | 09.10.2003   | -14.617,83                                                                             |
| 6000240057      | 11.07.2008   | 14.610,74                                                                              |
| 6000046773      | 10.03.2003   | 14.609,59                                                                              |
| 2786027         | 31.07.2000   | 14.590,90                                                                              |
| 2786028         | 01.08.2000   | -14.590,90                                                                             |
| 2765645         | 28.02.1999   | 14.582,15                                                                              |
| 2765646         | 01.03.1999   | -14.582,15                                                                             |
| 2745835         | 03.11.1997   | 14.572,79                                                                              |
| 2745834         | 31.10.1997   | -14.572,79                                                                             |
| 2737861         | 01.04.1997   | 14.551,66                                                                              |
| 2737860         | 31.03.1997   | -14.551,66                                                                             |
| 5200006552      | 30.06.2003   | -14.524,49                                                                             |
| 2600082367      | 05.08.2010   | 14.515,35                                                                              |
| 5200006143      | 30.09.2007   | -14.508,57                                                                             |
| 5200009614      | 31.10.2001   | 14.502,04                                                                              |
| 5200009967      | 01.11.2001   | -14.502,04                                                                             |
| 5200006746      | 31.05.2002   | -14.495,50                                                                             |
| 2709567         | 01.06.1995   | 14.493,09                                                                              |
| 2709566         | 31.05.1995   | -14.493,09                                                                             |
| 5200005122      | 28.02.2017   | 14.493,06                                                                              |
| 2761858         | 01.12.1998   | 14.476,16                                                                              |
| 2761857         | 30.11.1998   | -14.476,16                                                                             |
| 2500000147      | 19.01.2009   | -14.475,74                                                                             |
| 2701453         | 01.08.1994   | 14.463,37                                                                              |
| 2701452         | 31.07.1994   | -14.463,37                                                                             |
| 5200013910      | 30.11.2002   | -14.455,21                                                                             |
| 5200001028      | 31.01.2014   | 14.454,98                                                                              |
| 2713361         | 02.10.1995   | 14.453,56                                                                              |
| 2713360         | 30.09.1995   | -14.453,56                                                                             |
| 2727429         | 30.09.1996   | 14.424,31                                                                              |
| 2727430         | 01.10.1996   | -14.424,31                                                                             |
| 2500003261      | 05.07.2004   | -14.410,78                                                                             |
| 2789335         | 31.10.2000   | 14.397,75                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2789336         | 01.11.2000   | -14.397,75                                                                             |
| 5200017822      | 31.07.2014   | 14.392,56                                                                              |
| 5200002535      | 31.03.2005   | 14.392,13                                                                              |
| 2778098         | 31.12.1999   | 14.378,68                                                                              |
| 2778099         | 03.01.2000   | -14.378,68                                                                             |
| 6000166503      | 03.08.2004   | -14.367,06                                                                             |
| 2787768         | 01.10.1993   | 14.364,08                                                                              |
| 2787767         | 30.09.1993   | -14.364,08                                                                             |
| 2729809         | 30.11.1996   | 14.364,07                                                                              |
| 2729810         | 02.12.1996   | -14.364,07                                                                             |
| 5200002746      | 30.04.2006   | -14.362,30                                                                             |
| 5200001289      | 31.01.2004   | 14.356,71                                                                              |
| 2737862         | 31.03.1997   | 14.351,60                                                                              |
| 2737863         | 01.04.1997   | -14.351,60                                                                             |
| 5200005411      | 31.07.2005   | -14.346,42                                                                             |
| 2767116         | 31.03.1999   | 14.346,05                                                                              |
| 2767117         | 01.04.1999   | -14.346,05                                                                             |
| 2745797         | 03.11.1997   | 14.330,50                                                                              |
| 2745796         | 31.10.1997   | -14.330,50                                                                             |
| 6000033473      | 18.02.2004   | -14.327,96                                                                             |
| 5200005504      | 30.04.2002   | 14.325,76                                                                              |
| 5200010476      | 30.09.2004   | -14.320,27                                                                             |
| 5200006734      | 31.05.2002   | 14.314,92                                                                              |
| 2500000181      | 28.01.2008   | 14.302,98                                                                              |
| 5200002124      | 31.05.2001   | 14.297,09                                                                              |
| 5200001945      | 01.06.2001   | -14.297,09                                                                             |
| 5200007535      | 31.07.2003   | -14.296,17                                                                             |
| 5200006745      | 31.05.2002   | 14.291,27                                                                              |
| 2776068         | 31.10.1999   | 14.274,10                                                                              |
| 2776069         | 01.11.1999   | -14.274,10                                                                             |
| 6000160489      | 01.08.2002   | 14.253,74                                                                              |
| 2710452         | 03.07.1995   | 14.236,34                                                                              |
| 2710451         | 30.06.1995   | -14.236,34                                                                             |
| 4000360351      | 05.12.2013   | 14.220,50                                                                              |
| 5200009132      | 31.07.2002   | 14.188,84                                                                              |
| 2782500         | 30.04.2000   | 14.187,21                                                                              |
| 2782501         | 02.05.2000   | -14.187,21                                                                             |
| 6000142120      | 27.04.2016   | 14.173,85                                                                              |
| 2500004741      | 03.10.2002   | 14.168,00                                                                              |
| 5200028516      | 31.10.2015   | 14.165,66                                                                              |
| 2702750         | 01.02.2001   | 14.145,50                                                                              |
| 2702749         | 31.01.2001   | -14.145,50                                                                             |
| 2754197         | 02.06.1998   | 14.142,00                                                                              |
| 2754196         | 31.05.1998   | -14.142,00                                                                             |
| 5200009919      | 01.11.2001   | 14.132,56                                                                              |
| 5200009567      | 31.10.2001   | -14.132,56                                                                             |
| 2785863         | 31.07.2000   | 14.123,72                                                                              |
| 2785864         | 01.08.2000   | -14.123,72                                                                             |
| 5000001061      | 11.08.2008   | 14.120,53                                                                              |
| 2722645         | 31.05.1996   | 14.088,73                                                                              |
| 2722646         | 03.06.1996   | -14.088,73                                                                             |
| 2784798         | 03.07.2000   | 14.088,05                                                                              |
| 2784797         | 30.06.2000   | -14.088,05                                                                             |
| 6000020135      | 30.01.2004   | -14.086,48                                                                             |
| 2709527         | 01.06.1995   | 14.085,29                                                                              |
| 2709526         | 31.05.1995   | -14.085,29                                                                             |
| 5200001302      | 31.01.2004   | 14.078,69                                                                              |
| 2747030         | 01.12.1997   | 14.077,91                                                                              |
| 2747029         | 30.11.1997   | -14.077,91                                                                             |
| 5200007436      | 30.06.2002   | -14.071,89                                                                             |
| 5200003848      | 31.07.2001   | 14.069,61                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004002      | 01.08.2001   | -14.069,61                                                                             |
| 2726286         | 02.09.1996   | 14.067,85                                                                              |
| 2726285         | 31.08.1996   | -14.067,85                                                                             |
| 5200008532      | 31.12.2008   | -14.061,62                                                                             |
| 5200003439      | 31.03.2003   | -14.060,48                                                                             |
| 5200022872      | 31.08.2016   | -14.045,68                                                                             |
| 2745811         | 03.11.1997   | 14.026,12                                                                              |
| 2745810         | 31.10.1997   | -14.026,12                                                                             |
| 5200009893      | 01.11.2001   | 14.023,19                                                                              |
| 5200009542      | 31.10.2001   | -14.023,19                                                                             |
| 5200010024      | 30.09.2003   | -14.020,32                                                                             |
| 5200005569      | 31.05.2003   | 14.018,63                                                                              |
| 2747088         | 01.12.1997   | 14.016,82                                                                              |
| 2747087         | 30.11.1997   | -14.016,82                                                                             |
| 2762044         | 01.12.1998   | 14.014,58                                                                              |
| 2762043         | 30.11.1998   | -14.014,58                                                                             |
| 5200036435      | 30.11.2001   | 14.007,37                                                                              |
| 5200036619      | 01.12.2001   | -14.007,37                                                                             |
| 6000082006      | 25.04.2003   | -14.005,68                                                                             |
| 2788343         | 30.09.2000   | 14.000,72                                                                              |
| 2788344         | 02.10.2000   | -14.000,72                                                                             |
| 5200002290      | 28.02.2003   | -13.959,70                                                                             |
| 6000022298      | 25.01.2010   | -13.959,32                                                                             |
| 5200002780      | 28.02.2002   | 13.956,53                                                                              |
| 5200002954      | 01.03.2002   | -13.956,53                                                                             |
| 6000265269      | 09.11.2005   | -13.931,89                                                                             |
| 5200009147      | 31.07.2002   | 13.926,97                                                                              |
| 2782545         | 02.05.2000   | 13.922,15                                                                              |
| 2782544         | 30.04.2000   | -13.922,15                                                                             |
| 5200001747      | 28.02.2005   | -13.915,73                                                                             |
| 5200004737      | 31.07.2006   | -13.913,42                                                                             |
| 5200005519      | 31.05.2003   | -13.909,58                                                                             |
| 2600000267      | 09.04.2003   | 13.909,06                                                                              |
| 2762045         | 30.11.1998   | 13.899,62                                                                              |
| 2762046         | 01.12.1998   | -13.899,62                                                                             |
| 2500003547      | 01.08.2002   | 13.896,45                                                                              |
| 5200003887      | 31.07.2001   | 13.882,63                                                                              |
| 5200004041      | 01.08.2001   | -13.882,63                                                                             |
| 5200002339      | 28.02.2003   | -13.868,49                                                                             |
| 6000094080      | 14.05.2003   | -13.864,41                                                                             |
| 6000156164      | 26.07.2002   | 13.850,09                                                                              |
| 6000146659      | 16.07.2002   | 13.839,08                                                                              |
| 5200005377      | 31.08.2006   | -13.839,01                                                                             |
| 5200010084      | 30.09.2003   | -13.837,28                                                                             |
| 2777934         | 31.12.1999   | 13.833,16                                                                              |
| 2777935         | 03.01.2000   | -13.833,16                                                                             |
| 2723779         | 30.06.1996   | 13.827,59                                                                              |
| 2723780         | 01.07.1996   | -13.827,59                                                                             |
| 6000027183      | 10.02.2003   | 13.810,69                                                                              |
| 6000184568      | 19.09.2003   | -13.807,68                                                                             |
| 2500002766      | 07.11.2007   | 13.807,07                                                                              |
| 5200012715      | 31.12.2004   | 13.794,53                                                                              |
| 2788608         | 03.01.1994   | 13.790,56                                                                              |
| 2788607         | 31.12.1993   | -13.790,56                                                                             |
| 2600000236      | 01.07.2002   | 13.776,76                                                                              |
| 5200005907      | 01.10.2001   | 13.774,66                                                                              |
| 5200005748      | 30.09.2001   | -13.774,66                                                                             |
| 5200003730      | 31.05.2008   | 13.762,30                                                                              |
| 6000211515      | 27.10.2003   | -13.759,64                                                                             |
| 2761874         | 01.12.1998   | 13.757,84                                                                              |
| 2761873         | 30.11.1998   | -13.757,84                                                                             |

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| 2781521         | 31.03.2000   | 13.756,60                                                                              |
| 2781522         | 03.04.2000   | -13.756,60                                                                             |
| 6000112986      | 10.06.2003   | 13.752,27                                                                              |
| 5200002736      | 30.04.2006   | -13.739,82                                                                             |
| 5200011319      | 31.10.2004   | -13.731,52                                                                             |
| 5200007588      | 31.07.2003   | -13.720,60                                                                             |
| 5200008743      | 31.08.2003   | 13.688,59                                                                              |
| 2600000337      | 14.05.2003   | 13.654,90                                                                              |
| 5200011528      | 31.10.2003   | -13.650,75                                                                             |
| 2500000775      | 05.04.2011   | 13.649,92                                                                              |
| 5200002772      | 30.04.2007   | -13.628,67                                                                             |
| 6000011575      | 13.01.2009   | -13.627,60                                                                             |
| 2719207         | 01.03.1996   | 13.625,23                                                                              |
| 2719206         | 29.02.1996   | -13.625,23                                                                             |
| 5200002179      | 30.06.2001   | 13.616,90                                                                              |
| 5200002366      | 01.07.2001   | -13.616,90                                                                             |
| 2702020         | 01.09.1994   | 13.584,44                                                                              |
| 2702019         | 31.08.1994   | -13.584,44                                                                             |
| 5200037111      | 31.12.2001   | 13.563,11                                                                              |
| 6000071662      | 21.03.2007   | 13.560,88                                                                              |
| 2761832         | 01.12.1998   | 13.550,80                                                                              |
| 2761831         | 30.11.1998   | -13.550,80                                                                             |
| 6000142779      | 25.04.2008   | 13.543,11                                                                              |
| 2783838         | 31.05.2000   | 13.542,40                                                                              |
| 2783839         | 05.06.2000   | -13.542,40                                                                             |
| 2702928         | 01.02.2001   | 13.527,33                                                                              |
| 2702927         | 31.01.2001   | -13.527,33                                                                             |
| 5200005896      | 01.10.2001   | 13.524,39                                                                              |
| 5200005737      | 30.09.2001   | -13.524,39                                                                             |
| 2600000514      | 20.11.2002   | -13.523,19                                                                             |
| 5200009678      | 31.08.2004   | -13.522,07                                                                             |
| 4500002666      | 12.10.2006   | 13.499,60                                                                              |
| 5200007901      | 31.12.2007   | -13.494,79                                                                             |
| 2736723         | 03.03.1997   | 13.494,59                                                                              |
| 2736722         | 28.02.1997   | -13.494,59                                                                             |
| 5200006848      | 31.05.2004   | 13.481,80                                                                              |
| 5200009616      | 31.10.2001   | 13.481,16                                                                              |
| 5200009971      | 01.11.2001   | -13.481,16                                                                             |
| 4500001016      | 14.05.2008   | -13.473,72                                                                             |
| 5200005513      | 30.04.2002   | -13.472,79                                                                             |
| 2726162         | 02.09.1996   | 13.472,08                                                                              |
| 2726161         | 31.08.1996   | -13.472,08                                                                             |
| 2780502         | 29.02.2000   | 13.467,28                                                                              |
| 2780503         | 01.03.2000   | -13.467,28                                                                             |
| 2749486         | 31.01.1998   | 13.466,90                                                                              |
| 2749487         | 02.02.1998   | -13.466,90                                                                             |
| 2700062         | 02.05.1994   | 13.460,15                                                                              |
| 2700061         | 30.04.1994   | -13.460,15                                                                             |
| 5200012761      | 31.10.2002   | -13.448,89                                                                             |
| 6000046769      | 10.03.2003   | 13.447,63                                                                              |
| 6000045941      | 07.03.2003   | 13.435,75                                                                              |
| 6000272311      | 06.12.2004   | 13.434,74                                                                              |
| 2500002179      | 29.07.2005   | -13.432,64                                                                             |
| 2500004831      | 17.10.2002   | 13.428,63                                                                              |
| 2784792         | 03.07.2000   | 13.418,55                                                                              |
| 2784791         | 30.06.2000   | -13.418,55                                                                             |
| 2720367         | 31.03.1996   | 13.415,50                                                                              |
| 2720368         | 01.04.1996   | -13.415,50                                                                             |
| 6000133754      | 27.06.2002   | 13.408,87                                                                              |
| 6000173147      | 20.08.2002   | -13.382,27                                                                             |
| 2782425         | 02.05.2000   | 13.375,43                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2782424         | 30.04.2000   | -13.375,43                                                                             |
| 2776210         | 31.10.1999   | 13.363,04                                                                              |
| 2776211         | 01.11.1999   | -13.363,04                                                                             |
| 2500000139      | 19.01.2007   | 13.362,18                                                                              |
| 5200001236      | 31.01.2003   | -13.357,23                                                                             |
| 4000121959      | 30.11.2002   | 13.350,08                                                                              |
| 5200005490      | 31.05.2003   | -13.343,26                                                                             |
| 5200007420      | 30.06.2002   | -13.341,48                                                                             |
| 6000215609      | 13.07.2015   | 13.335,87                                                                              |
| 5200007610      | 31.12.2006   | 13.333,41                                                                              |
| 6000144678      | 23.07.2003   | 13.324,44                                                                              |
| 5200011561      | 31.10.2003   | -13.312,19                                                                             |
| 2727415         | 30.09.1996   | 13.310,78                                                                              |
| 2727416         | 01.10.1996   | -13.310,78                                                                             |
| 6000034879      | 20.02.2003   | 13.308,73                                                                              |
| 2600009863      | 02.02.2009   | 13.303,74                                                                              |
| 5200000821      | 31.01.2009   | -13.303,74                                                                             |
| 5200003447      | 31.03.2003   | -13.288,53                                                                             |
| 2781556         | 03.04.2000   | 13.285,24                                                                              |
| 2781555         | 31.03.2000   | -13.285,24                                                                             |
| 2732026         | 31.01.1997   | 13.284,62                                                                              |
| 2732027         | 03.02.1997   | -13.284,62                                                                             |
| 5200012979      | 30.11.2003   | -13.282,29                                                                             |
| 5200008391      | 31.12.2009   | 13.268,56                                                                              |
| 2749466         | 31.01.1998   | 13.268,08                                                                              |
| 2749467         | 02.02.1998   | -13.268,08                                                                             |
| 5200025771      | 31.10.2014   | 13.254,10                                                                              |
| 6000292292      | 02.09.2010   | 13.252,27                                                                              |
| 2600082365      | 05.08.2010   | 13.250,81                                                                              |
| 6000172665      | 19.08.2002   | 13.246,82                                                                              |
| 2752009         | 31.03.1998   | 13.243,27                                                                              |
| 2752010         | 01.04.1998   | -13.243,27                                                                             |
| 5200004442      | 30.04.2003   | -13.239,89                                                                             |
| 5200007534      | 30.11.2007   | -13.237,29                                                                             |
| 6000265470      | 31.07.2008   | 13.227,93                                                                              |
| 5200011295      | 31.10.2004   | 13.224,38                                                                              |
| 5200005272      | 01.09.2001   | 13.195,60                                                                              |
| 5200005118      | 31.08.2001   | -13.195,60                                                                             |
| 5200002808      | 28.02.2002   | 13.188,49                                                                              |
| 5200002982      | 01.03.2002   | -13.188,49                                                                             |
| 4500001716      | 03.05.2005   | -13.164,41                                                                             |
| 5200013997      | 31.12.2003   | -13.152,56                                                                             |
| 5200010020      | 30.09.2003   | 13.147,94                                                                              |
| 2763161         | 04.01.1999   | 13.146,55                                                                              |
| 2763160         | 31.12.1998   | -13.146,55                                                                             |
| 2753279         | 04.05.1998   | 13.145,40                                                                              |
| 2753278         | 30.04.1998   | -13.145,40                                                                             |
| 5200011506      | 31.10.2003   | -13.145,05                                                                             |
| 6000078099      | 15.04.2004   | -13.141,51                                                                             |
| 6000182672      | 02.09.2002   | 13.133,13                                                                              |
| 5200004045      | 30.06.2006   | -13.129,04                                                                             |
| 5200002533      | 31.03.2005   | 13.126,49                                                                              |
| 2788311         | 30.09.2000   | 13.095,73                                                                              |
| 2788312         | 02.10.2000   | -13.095,73                                                                             |
| 2703870         | 28.02.2001   | 13.094,67                                                                              |
| 2703871         | 01.03.2001   | -13.094,67                                                                             |
| 2717851         | 31.01.1996   | 13.080,56                                                                              |
| 2717852         | 01.02.1996   | -13.080,56                                                                             |
| 6000112125      | 30.05.2002   | 13.075,64                                                                              |
| 4000224415      | 31.07.2012   | -13.075,35                                                                             |
| 2784773         | 30.06.2000   | 13.074,26                                                                              |

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| 2784774         | 03.07.2000   | -13.074,26                                                                             |
| 2700733         | 01.12.2000   | 13.073,87                                                                              |
| 2700732         | 30.11.2000   | -13.073,87                                                                             |
| 5200008214      | 30.11.2005   | 13.073,26                                                                              |
| 5200000847      | 31.01.2005   | 13.066,15                                                                              |
| 2743492         | 01.09.1997   | 13.052,48                                                                              |
| 2743491         | 31.08.1997   | -13.052,48                                                                             |
| 2777972         | 31.12.1999   | 13.049,15                                                                              |
| 2777973         | 03.01.2000   | -13.049,15                                                                             |
| 6000007363      | 13.01.2004   | 13.048,70                                                                              |
| 5200008733      | 31.08.2003   | 13.047,51                                                                              |
| 5200008720      | 31.08.2003   | 13.039,36                                                                              |
| 6000245465      | 18.10.2005   | -13.031,17                                                                             |
| 6000259460      | 22.12.2003   | 13.022,60                                                                              |
| 5200001509      | 31.01.2002   | 13.011,58                                                                              |
| 5200001672      | 01.02.2002   | -13.011,58                                                                             |
| 6000218245      | 04.11.2003   | -13.009,61                                                                             |
| 5200002520      | 31.03.2005   | -13.006,32                                                                             |
| 2711481         | 01.08.1995   | 13.001,64                                                                              |
| 2711480         | 31.07.1995   | -13.001,64                                                                             |
| 5200004415      | 30.06.2008   | -12.974,66                                                                             |
| 2763212         | 31.12.1998   | 12.969,67                                                                              |
| 2763213         | 04.01.1999   | -12.969,67                                                                             |
| 9515173760      | 11.08.2017   | 12.969,31                                                                              |
| 2761848         | 01.12.1998   | 12.966,07                                                                              |
| 2761847         | 30.11.1998   | -12.966,07                                                                             |
| 5200006513      | 30.06.2003   | 12.956,24                                                                              |
| 5200008915      | 31.07.2004   | 12.947,66                                                                              |
| 6000008432      | 08.01.2016   | 12.944,50                                                                              |
| 2745801         | 03.11.1997   | 12.944,17                                                                              |
| 2745800         | 31.10.1997   | -12.944,17                                                                             |
| 6000192565      | 05.06.2008   | 12.941,90                                                                              |
| 2782554         | 30.04.2000   | 12.940,69                                                                              |
| 2782555         | 02.05.2000   | -12.940,69                                                                             |
| 2780534         | 29.02.2000   | 12.937,72                                                                              |
| 2780535         | 01.03.2000   | -12.937,72                                                                             |
| 4500001835      | 21.03.2003   | 12.918,60                                                                              |
| 5200036596      | 01.12.2001   | 12.904,01                                                                              |
| 5200036412      | 30.11.2001   | -12.904,01                                                                             |
| 2781551         | 31.03.2000   | 12.903,35                                                                              |
| 2781552         | 03.04.2000   | -12.903,35                                                                             |
| 5200005419      | 31.07.2005   | 12.894,59                                                                              |
| 5200009103      | 31.07.2002   | 12.888,69                                                                              |
| 5200012171      | 30.11.2004   | -12.885,70                                                                             |
| 5200008877      | 31.07.2004   | 12.881,33                                                                              |
| 6000338240      | 29.09.2008   | -12.878,83                                                                             |
| 2717902         | 01.02.1996   | 12.878,19                                                                              |
| 2717901         | 31.01.1996   | -12.878,19                                                                             |
| 5200004273      | 31.03.2002   | 12.870,87                                                                              |
| 5200002774      | 28.02.2002   | 12.870,83                                                                              |
| 5200002948      | 01.03.2002   | -12.870,83                                                                             |
| 4000129971      | 29.11.2004   | 12.870,52                                                                              |
| 5200008903      | 31.07.2004   | 12.868,97                                                                              |
| 2780384         | 29.02.2000   | 12.867,64                                                                              |
| 2780385         | 01.03.2000   | -12.867,64                                                                             |
| 5200006532      | 30.06.2003   | -12.865,06                                                                             |
| 5200006828      | 31.05.2004   | 12.862,17                                                                              |
| 5200004485      | 30.04.2003   | -12.861,23                                                                             |
| 5200001251      | 31.01.2004   | 12.840,35                                                                              |
| 6000008265      | 14.01.2004   | 12.831,08                                                                              |
| 5200005283      | 01.09.2001   | 12.830,13                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005129      | 31.08.2001   | -12.830,13                                                                             |
| 4500006375      | 16.09.2003   | -12.829,15                                                                             |
| 6000301316      | 19.10.2007   | 12.825,21                                                                              |
| 2783670         | 31.05.2000   | 12.821,04                                                                              |
| 2783671         | 05.06.2000   | -12.821,04                                                                             |
| 2704064         | 28.02.2001   | 12.810,30                                                                              |
| 2704065         | 01.03.2001   | -12.810,30                                                                             |
| 2779302         | 31.01.2000   | 12.805,30                                                                              |
| 2779303         | 01.02.2000   | -12.805,30                                                                             |
| 2789519         | 31.10.2000   | 12.802,00                                                                              |
| 2789520         | 01.11.2000   | -12.802,00                                                                             |
| 5200019741      | 31.07.2015   | 12.786,16                                                                              |
| 5200036570      | 01.12.2001   | 12.774,88                                                                              |
| 5200036386      | 30.11.2001   | -12.774,88                                                                             |
| 2754255         | 02.06.1998   | 12.757,70                                                                              |
| 2754254         | 31.05.1998   | -12.757,70                                                                             |
| 5200012670      | 31.12.2004   | -12.748,01                                                                             |
| 2787744         | 01.10.1993   | 12.744,42                                                                              |
| 2787743         | 30.09.1993   | -12.744,42                                                                             |
| 6000232463      | 20.11.2003   | 12.742,29                                                                              |
| 6000166044      | 15.05.2008   | 12.710,11                                                                              |
| 6000163598      | 06.08.2002   | -12.704,64                                                                             |
| 6000110959      | 06.06.2003   | 12.690,42                                                                              |
| 2779236         | 31.01.2000   | 12.682,97                                                                              |
| 2779237         | 01.02.2000   | -12.682,97                                                                             |
| 2775997         | 01.11.1999   | 12.674,20                                                                              |
| 2775996         | 31.10.1999   | -12.674,20                                                                             |
| 5200012210      | 30.11.2004   | 12.672,41                                                                              |
| 5200007405      | 31.10.2008   | 12.665,86                                                                              |
| 6000278643      | 09.12.2004   | 12.660,82                                                                              |
| 2784833         | 30.06.2000   | 12.660,30                                                                              |
| 2784834         | 03.07.2000   | -12.660,30                                                                             |
| 5200004425      | 30.04.2003   | 12.647,41                                                                              |
| 6000194053      | 16.08.2005   | -12.643,55                                                                             |
| 2784727         | 30.06.2000   | 12.641,71                                                                              |
| 2784728         | 03.07.2000   | -12.641,71                                                                             |
| 6000209481      | 09.10.2002   | 12.632,22                                                                              |
| 5200005747      | 30.09.2001   | 12.630,27                                                                              |
| 5200005906      | 01.10.2001   | -12.630,27                                                                             |
| 2703915         | 01.03.2001   | 12.617,05                                                                              |
| 2703914         | 28.02.2001   | -12.617,05                                                                             |
| 5200006734      | 31.05.2002   | -12.614,39                                                                             |
| 5200002922      | 29.02.2004   | -12.606,98                                                                             |
| 2700522         | 01.06.1994   | 12.596,44                                                                              |
| 2700521         | 31.05.1994   | -12.596,44                                                                             |
| 2755529         | 30.06.1998   | 12.593,91                                                                              |
| 2755530         | 01.07.1998   | -12.593,91                                                                             |
| 2782518         | 30.04.2000   | 12.591,95                                                                              |
| 2782519         | 02.05.2000   | -12.591,95                                                                             |
| 5200004224      | 31.03.2004   | -12.589,46                                                                             |
| 2709553         | 01.06.1995   | 12.585,91                                                                              |
| 2709552         | 31.05.1995   | -12.585,91                                                                             |
| 5200002159      | 30.06.2001   | 12.582,63                                                                              |
| 5200002346      | 01.07.2001   | -12.582,63                                                                             |
| 6000313202      | 08.10.2015   | 12.578,96                                                                              |
| 5200004009      | 01.08.2001   | 12.578,57                                                                              |
| 5200003855      | 31.07.2001   | -12.578,57                                                                             |
| 5200011294      | 31.10.2004   | -12.576,43                                                                             |
| 6000113898      | 11.05.2006   | 12.558,89                                                                              |
| 6000204896      | 30.08.2005   | 12.545,55                                                                              |
| 5200009106      | 31.07.2002   | 12.538,31                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001518      | 31.01.2002   | 12.529,84                                                                              |
| 5200001681      | 01.02.2002   | -12.529,84                                                                             |
| 5200004695      | 30.06.2005   | -12.512,12                                                                             |
| 5200001755      | 28.02.2005   | 12.495,56                                                                              |
| 2749532         | 31.01.1998   | 12.485,25                                                                              |
| 2749533         | 02.02.1998   | -12.485,25                                                                             |
| 5200005140      | 31.08.2001   | 12.483,23                                                                              |
| 5200005294      | 01.09.2001   | -12.483,23                                                                             |
| 6000356101      | 30.11.2007   | 12.481,16                                                                              |
| 6000236452      | 09.07.2008   | 12.468,65                                                                              |
| 5200011556      | 31.10.2003   | 12.467,02                                                                              |
| 5200008888      | 31.07.2004   | 12.464,63                                                                              |
| 2600000658      | 23.09.2003   | 12.450,16                                                                              |
| 6000204053      | 17.09.2004   | -12.445,28                                                                             |
| 6000014008      | 18.01.2005   | 12.441,57                                                                              |
| 2736574         | 28.02.1997   | 12.430,96                                                                              |
| 2736575         | 03.03.1997   | -12.430,96                                                                             |
| 2732181         | 03.02.1997   | 12.429,44                                                                              |
| 2732180         | 31.01.1997   | -12.429,44                                                                             |
| 6000167789      | 16.05.2008   | 12.420,91                                                                              |
| 5200025974      | 30.09.2013   | -12.415,26                                                                             |
| 5200001239      | 31.01.2004   | -12.412,16                                                                             |
| 2788042         | 01.11.1993   | 12.408,92                                                                              |
| 2788041         | 31.10.1993   | -12.408,92                                                                             |
| 2710512         | 03.07.1995   | 12.405,57                                                                              |
| 2710511         | 30.06.1995   | -12.405,57                                                                             |
| 5200003859      | 31.07.2001   | 12.404,74                                                                              |
| 5200004013      | 01.08.2001   | -12.404,74                                                                             |
| 5200002777      | 28.02.2002   | 12.399,76                                                                              |
| 5200002951      | 01.03.2002   | -12.399,76                                                                             |
| 2702951         | 31.01.2001   | 12.396,97                                                                              |
| 2702952         | 01.02.2001   | -12.396,97                                                                             |
| 5200004873      | 31.07.2010   | -12.392,22                                                                             |
| 2738824         | 30.04.1997   | 12.388,86                                                                              |
| 2738825         | 02.05.1997   | -12.388,86                                                                             |
| 5200009971      | 01.11.2001   | 12.388,66                                                                              |
| 5200009616      | 31.10.2001   | -12.388,66                                                                             |
| 5200012363      | 31.07.2011   | 12.386,67                                                                              |
| 2500001506      | 20.06.2007   | 12.360,01                                                                              |
| 5200004015      | 01.08.2001   | 12.358,66                                                                              |
| 5200003861      | 31.07.2001   | -12.358,66                                                                             |
| 5200002340      | 28.02.2003   | 12.358,17                                                                              |
| 5200005550      | 30.04.2004   | -12.357,92                                                                             |
| 2787722         | 01.10.1993   | 12.356,86                                                                              |
| 2787721         | 30.09.1993   | -12.356,86                                                                             |
| 5200008904      | 31.07.2004   | 12.347,90                                                                              |
| 6000184546      | 19.09.2003   | -12.335,86                                                                             |
| 2774542         | 01.09.1999   | 12.335,65                                                                              |
| 2775384         | 01.10.1999   | -12.335,65                                                                             |
| 5200002175      | 30.06.2001   | 12.333,98                                                                              |
| 5200002362      | 01.07.2001   | -12.333,98                                                                             |
| 5200008516      | 31.03.2017   | -12.323,80                                                                             |
| 2600082359      | 05.08.2010   | 12.321,00                                                                              |
| 5200008893      | 31.07.2004   | 12.318,58                                                                              |
| 5200004421      | 30.06.2008   | -12.302,85                                                                             |
| 5200008111      | 30.11.2008   | 12.293,51                                                                              |
| 5200007429      | 30.06.2002   | -12.290,04                                                                             |
| 6000092316      | 09.05.2003   | 12.280,74                                                                              |
| 6000095928      | 19.03.2008   | 12.275,67                                                                              |
| 2771786         | 04.05.1992   | 12.248,40                                                                              |
| 2771751         | 30.04.1992   | -12.248,40                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2757964         | 31.08.1998   | 12.247,83                                                                              |
| 2757965         | 01.09.1998   | -12.247,83                                                                             |
| 2755601         | 01.05.1991   | 12.243,86                                                                              |
| 5200005144      | 31.08.2001   | 12.232,65                                                                              |
| 5200005298      | 01.09.2001   | -12.232,65                                                                             |
| 2789421         | 31.10.2000   | 12.229,32                                                                              |
| 2789422         | 01.11.2000   | -12.229,32                                                                             |
| 2750721         | 28.02.1998   | 12.204,95                                                                              |
| 2750722         | 02.03.1998   | -12.204,95                                                                             |
| 2701723         | 31.12.2000   | 12.194,29                                                                              |
| 2701724         | 01.01.2001   | -12.194,29                                                                             |
| 5200008708      | 31.08.2003   | 12.183,88                                                                              |
| 5200006816      | 31.10.2010   | -12.181,69                                                                             |
| 2754237         | 02.06.1998   | 12.180,30                                                                              |
| 2754236         | 31.05.1998   | -12.180,30                                                                             |
| 5200001992      | 01.06.2001   | 12.178,66                                                                              |
| 5200001813      | 31.05.2001   | -12.178,66                                                                             |
| 2723671         | 30.06.1996   | 12.175,59                                                                              |
| 2723672         | 01.07.1996   | -12.175,59                                                                             |
| 5200013937      | 30.11.2002   | 12.165,07                                                                              |
| 5200004484      | 30.04.2003   | -12.161,48                                                                             |
| 5200005518      | 30.04.2002   | -12.159,10                                                                             |
| 2731998         | 31.01.1997   | 12.144,50                                                                              |
| 2731999         | 03.02.1997   | -12.144,50                                                                             |
| 5200009128      | 31.07.2002   | 12.138,78                                                                              |
| 2716955         | 31.12.1995   | 12.129,58                                                                              |
| 2716215         | 02.01.1996   | 12.129,58                                                                              |
| 2717465         | 02.01.1996   | 12.129,58                                                                              |
| 2716214         | 31.12.1995   | -12.129,58                                                                             |
| 2717464         | 31.12.1995   | -12.129,58                                                                             |
| 2716956         | 02.01.1996   | -12.129,58                                                                             |
| 2500002047      | 31.08.2010   | 12.124,87                                                                              |
| 2500000113      | 14.01.2009   | 12.123,80                                                                              |
| 2701964         | 01.09.1994   | 12.116,09                                                                              |
| 2701963         | 31.08.1994   | -12.116,09                                                                             |
| 5200000109      | 30.04.2001   | 12.112,08                                                                              |
| 5200000282      | 01.05.2001   | -12.112,08                                                                             |
| 6000102759      | 24.04.2007   | 12.109,46                                                                              |
| 5200008754      | 31.08.2003   | 12.106,93                                                                              |
| 6000421310      | 28.12.2009   | 12.103,33                                                                              |
| 6000181876      | 23.08.2004   | 12.097,36                                                                              |
| 5200011579      | 31.10.2003   | 12.089,44                                                                              |
| 5200005553      | 31.05.2003   | -12.066,08                                                                             |
| 5200008509      | 30.04.2012   | 12.061,25                                                                              |
| 5200010288      | 31.08.2002   | 12.058,09                                                                              |
| 5200005750      | 30.09.2001   | 12.042,80                                                                              |
| 5200005909      | 01.10.2001   | -12.042,80                                                                             |
| 5200036600      | 01.12.2001   | 12.038,15                                                                              |
| 5200036416      | 30.11.2001   | -12.038,15                                                                             |
| 5200036602      | 01.12.2001   | 12.037,93                                                                              |
| 5200036418      | 30.11.2001   | -12.037,93                                                                             |
| 6000291068      | 15.10.2007   | 12.032,19                                                                              |
| 5200002767      | 28.02.2002   | 12.028,00                                                                              |
| 5200002941      | 01.03.2002   | -12.028,00                                                                             |
| 5000000702      | 17.06.2014   | 12.027,78                                                                              |
| 5000000703      | 17.06.2014   | 12.027,78                                                                              |
| 5000000703      | 17.06.2014   | -12.027,78                                                                             |
| 6000182709      | 16.09.2003   | -12.018,38                                                                             |
| 6000060034      | 24.03.2004   | -12.015,30                                                                             |
| 5200005487      | 31.05.2003   | -12.008,51                                                                             |
| 6000031149      | 26.01.2016   | 11.986,29                                                                              |

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| 5200002534      | 31.03.2005   | -11.984,50                                                                             |
| 4000274975      | 27.08.2015   | -11.980,20                                                                             |
| 6000038569      | 04.02.2008   | 11.972,30                                                                              |
| 6000228646      | 13.08.2007   | -11.961,92                                                                             |
| 6000140426      | 30.04.2010   | -11.960,70                                                                             |
| 2500000006      | 05.01.2009   | -11.948,20                                                                             |
| 5200011307      | 31.10.2004   | -11.943,48                                                                             |
| 5200004503      | 30.04.2003   | -11.942,36                                                                             |
| 6000060302      | 20.02.2008   | 11.934,38                                                                              |
| 2738816         | 30.04.1997   | 11.917,57                                                                              |
| 2738817         | 02.05.1997   | -11.917,57                                                                             |
| 5200002248      | 31.03.2008   | -11.912,45                                                                             |
| 5200033535      | 31.12.2013   | -11.908,31                                                                             |
| 5200003390      | 31.05.2006   | -11.897,19                                                                             |
| 2769577         | 31.05.1999   | 11.885,05                                                                              |
| 2769578         | 01.06.1999   | -11.885,05                                                                             |
| 2668234         | 01.06.1993   | 11.871,33                                                                              |
| 2668233         | 31.05.1993   | -11.871,33                                                                             |
| 5200000751      | 31.01.2007   | 11.870,01                                                                              |
| 2500001457      | 06.06.2006   | 11.867,49                                                                              |
| 5200002739      | 30.04.2006   | -11.865,53                                                                             |
| 5200011287      | 31.10.2004   | -11.857,23                                                                             |
| 5200011314      | 31.10.2004   | -11.848,94                                                                             |
| 2789445         | 31.10.2000   | 11.844,66                                                                              |
| 2789446         | 01.11.2000   | -11.844,66                                                                             |
| 2708642         | 02.05.1995   | 11.837,18                                                                              |
| 2708641         | 30.04.1995   | -11.837,18                                                                             |
| 6000101498      | 14.05.2004   | 11.816,77                                                                              |
| 2779346         | 31.01.2000   | 11.810,39                                                                              |
| 2779347         | 01.02.2000   | -11.810,39                                                                             |
| 6000196901      | 20.09.2002   | 11.796,48                                                                              |
| 2700508         | 01.06.1994   | 11.790,70                                                                              |
| 2700507         | 31.05.1994   | -11.790,70                                                                             |
| 5200006561      | 30.06.2003   | 11.783,16                                                                              |
| 5200005893      | 01.10.2001   | 11.778,50                                                                              |
| 5200005734      | 30.09.2001   | -11.778,50                                                                             |
| 6000019023      | 29.01.2004   | 11.774,47                                                                              |
| 2736660         | 28.02.1997   | 11.755,20                                                                              |
| 2736661         | 03.03.1997   | -11.755,20                                                                             |
| 5200012697      | 31.12.2004   | -11.741,59                                                                             |
| 6000052848      | 18.03.2003   | 11.740,39                                                                              |
| 5200014506      | 31.12.2002   | -11.732,85                                                                             |
| 2740048         | 02.06.1997   | 11.732,41                                                                              |
| 2740047         | 31.05.1997   | -11.732,41                                                                             |
| 5200005529      | 30.04.2004   | 11.732,12                                                                              |
| 6000201995      | 16.09.2004   | 11.722,99                                                                              |
| 6000220590      | 03.11.2003   | 11.717,90                                                                              |
| 5200002545      | 31.03.2005   | 11.717,83                                                                              |
| 2749424         | 31.01.1998   | 11.707,98                                                                              |
| 2749425         | 02.02.1998   | -11.707,98                                                                             |
| 5200008498      | 31.03.2017   | -11.707,25                                                                             |
| 5200013921      | 30.11.2002   | -11.706,10                                                                             |
| 2767161         | 31.03.1999   | 11.689,66                                                                              |
| 2767162         | 01.04.1999   | -11.689,66                                                                             |
| 2783712         | 31.05.2000   | 11.689,19                                                                              |
| 2783713         | 05.06.2000   | -11.689,19                                                                             |
| 2789500         | 05.04.1994   | 11.675,38                                                                              |
| 2789499         | 31.03.1994   | -11.675,38                                                                             |
| 6000256963      | 17.11.2004   | 11.672,62                                                                              |
| 5200005541      | 30.04.2004   | 11.671,84                                                                              |
| 2704195         | 01.12.1994   | 11.666,78                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2704194         | 30.11.1994   | -11.666,78                                                                             |
| 2785845         | 31.07.2000   | 11.664,26                                                                              |
| 2785846         | 01.08.2000   | -11.664,26                                                                             |
| 5200006197      | 31.03.2012   | 11.645,53                                                                              |
| 5200005460      | 31.08.2007   | 11.634,18                                                                              |
| 5200005467      | 30.09.2007   | -11.634,18                                                                             |
| 2710490         | 03.07.1995   | 11.633,91                                                                              |
| 2710489         | 30.06.1995   | -11.633,91                                                                             |
| 5200007619      | 31.12.2006   | 11.631,36                                                                              |
| 6000176241      | 16.08.2004   | 11.622,45                                                                              |
| 2782612         | 30.04.2000   | 11.615,07                                                                              |
| 2782613         | 02.05.2000   | -11.615,07                                                                             |
| 5200004044      | 31.05.2005   | 11.591,46                                                                              |
| 5200004222      | 31.03.2004   | 11.589,58                                                                              |
| 6000266953      | 26.11.2004   | 11.578,97                                                                              |
| 5200011546      | 31.10.2003   | 11.577,88                                                                              |
| 5200001284      | 31.01.2004   | 11.576,24                                                                              |
| 5200006872      | 31.10.2007   | -11.574,06                                                                             |
| 2744654         | 01.10.1997   | 11.570,95                                                                              |
| 2744653         | 30.09.1997   | -11.570,95                                                                             |
| 2781615         | 31.03.2000   | 11.562,96                                                                              |
| 2781616         | 03.04.2000   | -11.562,96                                                                             |
| 2500002852      | 30.06.2003   | 11.555,67                                                                              |
| 2732145         | 03.02.1997   | 11.550,60                                                                              |
| 2732144         | 31.01.1997   | -11.550,60                                                                             |
| 5200006577      | 30.06.2003   | -11.546,67                                                                             |
| 5200002907      | 29.02.2004   | 11.537,35                                                                              |
| 2300003637      | 31.12.2017   | 11.533,52                                                                              |
| 5200005524      | 30.04.2004   | -11.529,70                                                                             |
| 2717466         | 31.12.1995   | 11.516,90                                                                              |
| 2717467         | 02.01.1996   | -11.516,90                                                                             |
| 5200014504      | 31.12.2002   | -11.516,04                                                                             |
| 6000205281      | 21.09.2004   | 11.512,96                                                                              |
| 5200004686      | 30.06.2005   | 11.509,53                                                                              |
| 2765713         | 28.02.1999   | 11.508,04                                                                              |
| 2765714         | 01.03.1999   | -11.508,04                                                                             |
| 6000227262      | 26.09.2005   | -11.502,43                                                                             |
| 2779320         | 31.01.2000   | 11.497,45                                                                              |
| 2779321         | 01.02.2000   | -11.497,45                                                                             |
| 5200004223      | 31.03.2004   | 11.491,89                                                                              |
| 2737698         | 31.03.1997   | 11.491,11                                                                              |
| 2737699         | 01.04.1997   | -11.491,11                                                                             |
| 6000144983      | 28.04.2008   | 11.490,95                                                                              |
| 5200004260      | 31.03.2004   | 11.488,46                                                                              |
| 5200002527      | 31.03.2005   | 11.486,79                                                                              |
| 6000125634      | 17.06.2004   | 11.480,36                                                                              |
| 2742306         | 31.07.1997   | 11.473,56                                                                              |
| 2742307         | 01.08.1997   | -11.473,56                                                                             |
| 5200008715      | 31.08.2003   | 11.463,96                                                                              |
| 6000194733      | 17.08.2005   | -11.460,51                                                                             |
| 6000049250      | 10.03.2004   | -11.450,60                                                                             |
| 6000022960      | 04.02.2004   | -11.450,44                                                                             |
| 6000253735      | 17.12.2003   | -11.445,23                                                                             |
| 5200002782      | 28.02.2002   | 11.444,21                                                                              |
| 5200002956      | 01.03.2002   | -11.444,21                                                                             |
| 2770849         | 30.06.1999   | 11.441,06                                                                              |
| 2770850         | 01.07.1999   | -11.441,06                                                                             |
| 2757955         | 01.07.1991   | 11.420,91                                                                              |
| 2757919         | 30.06.1991   | -11.420,91                                                                             |
| 5200004213      | 30.06.2010   | -11.414,12                                                                             |
| 6000226641      | 26.09.2005   | -11.409,16                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.



**Annex 19.2**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2701515         | 01.08.1994   | 11.404,09                                                                              |
| 2701514         | 31.07.1994   | -11.404,09                                                                             |
| 5200004268      | 31.03.2004   | 11.403,26                                                                              |
| 6000028127      | 25.01.2016   | 11.382,53                                                                              |
| 2732096         | 31.01.1997   | 11.382,15                                                                              |
| 2732097         | 03.02.1997   | -11.382,15                                                                             |
| 5200009921      | 01.11.2001   | 11.369,46                                                                              |
| 5200009569      | 31.10.2001   | -11.369,46                                                                             |
| 5200001190      | 31.01.2003   | -11.362,10                                                                             |
| 5200008755      | 31.08.2003   | -11.355,95                                                                             |
| 2782488         | 30.04.2000   | 11.354,53                                                                              |
| 2782489         | 02.05.2000   | -11.354,53                                                                             |
| 6000295004      | 09.12.2005   | -11.353,75                                                                             |
| 5200004041      | 01.08.2001   | 11.334,39                                                                              |
| 5200003887      | 31.07.2001   | -11.334,39                                                                             |
| 2752001         | 31.03.1998   | 11.333,72                                                                              |
| 2752002         | 01.04.1998   | -11.333,72                                                                             |
| 2700066         | 02.05.1994   | 11.318,90                                                                              |
| 2700065         | 30.04.1994   | -11.318,90                                                                             |
| 2705127         | 31.03.2001   | 11.312,25                                                                              |
| 2705128         | 01.04.2001   | -11.312,25                                                                             |
| 6000099943      | 20.03.2008   | 11.297,51                                                                              |
| 2786021         | 31.07.2000   | 11.290,99                                                                              |
| 2786022         | 01.08.2000   | -11.290,99                                                                             |
| 5200002948      | 29.02.2004   | 11.285,65                                                                              |
| 2500003012      | 04.12.2007   | 11.284,90                                                                              |
| 2789468         | 05.04.1994   | 11.276,40                                                                              |
| 2789467         | 31.03.1994   | -11.276,40                                                                             |
| 2757987         | 01.09.1998   | 11.267,28                                                                              |
| 2757986         | 31.08.1998   | -11.267,28                                                                             |
| 5200013926      | 30.11.2002   | -11.265,31                                                                             |
| 5200014509      | 31.12.2002   | -11.259,56                                                                             |
| 2705034         | 02.01.1995   | 11.259,39                                                                              |
| 2705033         | 31.12.1994   | -11.259,39                                                                             |
| 5200002325      | 28.02.2003   | -11.253,29                                                                             |
| 2756714         | 01.06.1991   | 11.252,35                                                                              |
| 2756683         | 31.05.1991   | -11.252,35                                                                             |
| 5200007584      | 31.07.2003   | -11.245,18                                                                             |
| 5200012184      | 30.11.2004   | -11.224,24                                                                             |
| 5200010500      | 30.09.2004   | 11.221,44                                                                              |
| 5200008063      | 30.06.2004   | -11.220,64                                                                             |
| 4500006125      | 02.09.2003   | 11.220,33                                                                              |
| 2700511         | 01.12.2000   | 11.219,18                                                                              |
| 2700510         | 30.11.2000   | -11.219,18                                                                             |
| 5200012677      | 31.12.2004   | 11.212,26                                                                              |
| 2787798         | 01.10.1993   | 11.206,33                                                                              |
| 2787797         | 30.09.1993   | -11.206,33                                                                             |
| 6000194824      | 03.10.2003   | 11.203,42                                                                              |
| 2777996         | 31.12.1999   | 11.200,46                                                                              |
| 2777997         | 03.01.2000   | -11.200,46                                                                             |
| 2705923         | 01.02.1995   | 11.191,70                                                                              |
| 2705922         | 31.01.1995   | -11.191,70                                                                             |
| 2784783         | 30.06.2000   | 11.191,10                                                                              |
| 2784784         | 03.07.2000   | -11.191,10                                                                             |
| 2500001733      | 09.06.2005   | -11.169,77                                                                             |
| 5200017028      | 31.05.2017   | -11.168,78                                                                             |
| 5200006135      | 30.09.2010   | -11.163,54                                                                             |
| 6000098567      | 20.05.2003   | 11.160,88                                                                              |
| 4500000047      | 08.01.2003   | 11.159,77                                                                              |
| 2756735         | 03.08.1998   | 11.155,08                                                                              |
| 2756734         | 31.07.1998   | -11.155,08                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2789316         | 01.11.2000   | 11.147,97                                                                              |
| 2789315         | 31.10.2000   | -11.147,97                                                                             |
| 6000040707      | 27.02.2004   | 11.146,72                                                                              |
| 5200004277      | 31.03.2002   | 11.145,63                                                                              |
| 6000005909      | 06.01.2012   | -11.126,28                                                                             |
| 5200037147      | 31.12.2001   | -11.113,36                                                                             |
| 6000159140      | 31.07.2002   | 11.108,40                                                                              |
| 2744655         | 30.09.1997   | 11.104,17                                                                              |
| 2744656         | 01.10.1997   | -11.104,17                                                                             |
| 5200003733      | 31.05.2009   | -11.103,59                                                                             |
| 5200012938      | 30.11.2003   | -11.101,35                                                                             |
| 5200002344      | 28.02.2003   | -11.098,73                                                                             |
| 5200001791      | 31.05.2001   | 11.096,76                                                                              |
| 5200001970      | 01.06.2001   | -11.096,76                                                                             |
| 6000030734      | 13.02.2003   | 11.090,17                                                                              |
| 5200036418      | 30.11.2001   | 11.072,08                                                                              |
| 5200036602      | 01.12.2001   | -11.072,08                                                                             |
| 2711367         | 01.08.1995   | 11.070,39                                                                              |
| 2711366         | 31.07.1995   | -11.070,39                                                                             |
| 6000187273      | 24.09.2003   | -11.055,69                                                                             |
| 2710492         | 03.07.1995   | 11.049,06                                                                              |
| 2710491         | 30.06.1995   | -11.049,06                                                                             |
| 2668305         | 01.06.1993   | 11.047,39                                                                              |
| 2668304         | 31.05.1993   | -11.047,39                                                                             |
| 6000148349      | 14.07.2004   | -11.043,63                                                                             |
| 2500004444      | 30.09.2003   | 11.037,66                                                                              |
| 5200004447      | 30.04.2003   | 11.030,73                                                                              |
| 6000206491      | 20.10.2003   | -11.029,00                                                                             |
| 2779239         | 01.02.2000   | 11.022,43                                                                              |
| 2779238         | 31.01.2000   | -11.022,43                                                                             |
| 5200008210      | 30.11.2005   | 11.018,86                                                                              |
| 2708582         | 02.05.1995   | 11.007,39                                                                              |
| 2708581         | 30.04.1995   | -11.007,39                                                                             |
| 2740049         | 31.05.1997   | 10.978,98                                                                              |
| 2740050         | 02.06.1997   | -10.978,98                                                                             |
| 5200000863      | 31.01.2005   | -10.967,11                                                                             |
| 6000010379      | 13.01.2005   | 10.964,02                                                                              |
| 6000112053      | 10.06.2003   | 10.945,86                                                                              |
| 2500001727      | 15.04.2003   | 10.938,32                                                                              |
| 5200012669      | 31.12.2004   | -10.933,72                                                                             |
| 5200005724      | 30.09.2001   | 10.927,64                                                                              |
| 5200005883      | 01.10.2001   | -10.927,64                                                                             |
| 2782576         | 30.04.2000   | 10.922,23                                                                              |
| 2782577         | 02.05.2000   | -10.922,23                                                                             |
| 5200001512      | 28.02.2010   | 10.922,07                                                                              |
| 2705231         | 31.03.2001   | 10.920,63                                                                              |
| 2705232         | 01.04.2001   | -10.920,63                                                                             |
| 2732177         | 03.02.1997   | 10.914,40                                                                              |
| 2732176         | 31.01.1997   | -10.914,40                                                                             |
| 5200005496      | 31.05.2003   | -10.910,88                                                                             |
| 2700528         | 30.11.2000   | 10.910,30                                                                              |
| 2700529         | 01.12.2000   | -10.910,30                                                                             |
| 5200004506      | 30.04.2003   | -10.908,85                                                                             |
| 2719276         | 29.02.1996   | 10.908,58                                                                              |
| 2719277         | 01.03.1996   | -10.908,58                                                                             |
| 2756798         | 31.07.1998   | 10.907,80                                                                              |
| 2756799         | 03.08.1998   | -10.907,80                                                                             |
| 2700474         | 01.06.1994   | 10.907,07                                                                              |
| 2700473         | 31.05.1994   | -10.907,07                                                                             |
| 5200008035      | 30.06.2004   | -10.904,41                                                                             |
| 5200011286      | 31.10.2004   | 10.903,70                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005119      | 31.08.2001   | 10.895,77                                                                              |
| 5200005273      | 01.09.2001   | -10.895,77                                                                             |
| 5200003970      | 29.02.2016   | 10.890,82                                                                              |
| 2700614         | 30.11.2000   | 10.885,43                                                                              |
| 2700615         | 01.12.2000   | -10.885,43                                                                             |
| 6000220969      | 27.06.2008   | 10.884,73                                                                              |
| 5200010484      | 30.09.2004   | 10.882,08                                                                              |
| 6000135498      | 28.04.2010   | -10.870,34                                                                             |
| 5200001696      | 01.02.2002   | 10.867,29                                                                              |
| 5200001533      | 31.01.2002   | -10.867,29                                                                             |
| 5200001559      | 28.02.2009   | 10.866,17                                                                              |
| 2700974         | 01.07.1994   | 10.856,86                                                                              |
| 2700973         | 30.06.1994   | -10.856,86                                                                             |
| 5200004443      | 30.04.2003   | -10.854,49                                                                             |
| 5200007554      | 31.07.2003   | -10.852,36                                                                             |
| 5200005865      | 01.10.2001   | 10.848,88                                                                              |
| 5200005706      | 30.09.2001   | -10.848,88                                                                             |
| 5200000836      | 31.01.2005   | 10.846,90                                                                              |
| 6000051783      | 12.03.2004   | 10.842,63                                                                              |
| 5200037115      | 31.12.2001   | -10.840,05                                                                             |
| 2763109         | 04.01.1999   | 10.837,35                                                                              |
| 2763108         | 31.12.1998   | -10.837,35                                                                             |
| 2739857         | 31.05.1997   | 10.835,24                                                                              |
| 2739858         | 02.06.1997   | -10.835,24                                                                             |
| 5200003855      | 31.07.2001   | 10.833,32                                                                              |
| 5200004009      | 01.08.2001   | -10.833,32                                                                             |
| 5200013965      | 31.08.2011   | -10.832,91                                                                             |
| 6000101549      | 14.05.2004   | -10.831,91                                                                             |
| 6000060036      | 24.03.2004   | -10.824,09                                                                             |
| 4500001775      | 10.05.2005   | 10.811,91                                                                              |
| 2764295         | 31.01.1999   | 10.796,03                                                                              |
| 2764296         | 01.02.1999   | -10.796,03                                                                             |
| 6000036555      | 14.02.2006   | -10.795,70                                                                             |
| 2783747         | 05.06.2000   | 10.794,73                                                                              |
| 2783746         | 31.05.2000   | -10.794,73                                                                             |
| 2700605         | 01.12.2000   | 10.789,27                                                                              |
| 2700604         | 30.11.2000   | -10.789,27                                                                             |
| 2780413         | 01.03.2000   | 10.786,94                                                                              |
| 2780412         | 29.02.2000   | -10.786,94                                                                             |
| 2707774         | 03.04.1995   | 10.782,38                                                                              |
| 2710426         | 03.07.1995   | 10.782,38                                                                              |
| 2707773         | 31.03.1995   | -10.782,38                                                                             |
| 2710425         | 30.06.1995   | -10.782,38                                                                             |
| 2789972         | 02.05.1994   | 10.765,79                                                                              |
| 2789971         | 30.04.1994   | -10.765,79                                                                             |
| 2756789         | 03.08.1998   | 10.765,51                                                                              |
| 2756788         | 31.07.1998   | -10.765,51                                                                             |
| 2723656         | 01.07.1996   | 10.764,68                                                                              |
| 2723655         | 30.06.1996   | -10.764,68                                                                             |
| 2667486         | 01.05.1993   | 10.762,72                                                                              |
| 2667485         | 30.04.1993   | -10.762,72                                                                             |
| 6000252060      | 30.07.2010   | -10.761,00                                                                             |
| 2786049         | 31.07.2000   | 10.757,67                                                                              |
| 2786050         | 01.08.2000   | -10.757,67                                                                             |
| 2500002171      | 28.08.2009   | 10.756,35                                                                              |
| 5200006138      | 30.09.2007   | -10.733,26                                                                             |
| 5200008918      | 31.07.2004   | 10.728,28                                                                              |
| 2788384         | 02.10.2000   | 10.726,18                                                                              |
| 2788383         | 30.09.2000   | -10.726,18                                                                             |
| 5200008043      | 30.06.2004   | -10.722,53                                                                             |
| 5200009608      | 31.10.2001   | 10.721,25                                                                              |

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| 5200009962      | 01.11.2001   | -10.721,25                                                                             |
| 5200000762      | 31.01.2007   | -10.716,18                                                                             |
| 5200011567      | 30.09.2002   | -10.712,68                                                                             |
| 5200003860      | 31.07.2001   | 10.705,19                                                                              |
| 5200004014      | 01.08.2001   | -10.705,19                                                                             |
| 2779132         | 31.01.2000   | 10.679,73                                                                              |
| 2779133         | 01.02.2000   | -10.679,73                                                                             |
| 2705069         | 31.03.2001   | 10.675,21                                                                              |
| 2705070         | 01.04.2001   | -10.675,21                                                                             |
| 6000129794      | 24.06.2004   | -10.673,69                                                                             |
| 5200000108      | 30.04.2001   | 10.667,35                                                                              |
| 5200000281      | 01.05.2001   | -10.667,35                                                                             |
| 2764375         | 31.01.1999   | 10.666,25                                                                              |
| 2764376         | 01.02.1999   | -10.666,25                                                                             |
| 5200007567      | 31.07.2003   | 10.665,00                                                                              |
| 5200008908      | 31.07.2004   | 10.664,08                                                                              |
| 5200005128      | 31.08.2001   | 10.661,42                                                                              |
| 5200005282      | 01.09.2001   | -10.661,42                                                                             |
| 2744671         | 30.09.1997   | 10.655,65                                                                              |
| 2744672         | 01.10.1997   | -10.655,65                                                                             |
| 2500005926      | 30.12.2003   | 10.647,77                                                                              |
| 5200037118      | 31.12.2001   | 10.640,09                                                                              |
| 5200025788      | 30.09.2016   | 10.635,24                                                                              |
| 2770825         | 30.06.1999   | 10.634,79                                                                              |
| 2770826         | 01.07.1999   | -10.634,79                                                                             |
| 6000259881      | 28.07.2008   | 10.633,02                                                                              |
| 6000297283      | 27.12.2004   | 10.631,45                                                                              |
| 5200006597      | 30.06.2003   | -10.630,80                                                                             |
| 5200010080      | 30.09.2003   | -10.627,24                                                                             |
| 6000083707      | 12.04.2005   | 10.623,71                                                                              |
| 2776148         | 31.10.1999   | 10.613,62                                                                              |
| 2776149         | 01.11.1999   | -10.613,62                                                                             |
| 5200007906      | 31.12.2007   | -10.611,37                                                                             |
| 2736600         | 28.02.1997   | 10.606,54                                                                              |
| 2736601         | 03.03.1997   | -10.606,54                                                                             |
| 6000314010      | 30.10.2007   | 10.600,17                                                                              |
| 6000303942      | 22.10.2007   | 10.595,21                                                                              |
| 5200001427      | 28.02.2007   | -10.593,52                                                                             |
| 2782625         | 02.05.2000   | 10.581,51                                                                              |
| 2782624         | 30.04.2000   | -10.581,51                                                                             |
| 2600000440      | 09.07.2003   | 10.574,08                                                                              |
| 5200002292      | 28.02.2003   | -10.574,02                                                                             |
| 2705153         | 31.03.2001   | 10.565,71                                                                              |
| 2705154         | 01.04.2001   | -10.565,71                                                                             |
| 5200004047      | 31.05.2005   | 10.564,07                                                                              |
| 2758117         | 01.09.1998   | 10.549,77                                                                              |
| 2758116         | 31.08.1998   | -10.549,77                                                                             |
| 5200001204      | 31.01.2003   | -10.549,66                                                                             |
| 2719167         | 01.03.1996   | 10.543,94                                                                              |
| 2719166         | 29.02.1996   | -10.543,94                                                                             |
| 2788086         | 01.11.1993   | 10.543,51                                                                              |
| 2788085         | 31.10.1993   | -10.543,51                                                                             |
| 5200009602      | 31.10.2001   | 10.539,18                                                                              |
| 5200009957      | 01.11.2001   | -10.539,18                                                                             |
| 5200003353      | 30.04.2005   | 10.536,34                                                                              |
| 6000105860      | 21.05.2004   | -10.521,87                                                                             |
| 2727443         | 30.09.1996   | 10.511,73                                                                              |
| 2727444         | 01.10.1996   | -10.511,73                                                                             |
| 4500002599      | 13.11.2007   | -10.500,21                                                                             |
| 2765653         | 28.02.1999   | 10.496,41                                                                              |
| 2765654         | 01.03.1999   | -10.496,41                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2759232         | 01.10.1998   | 10.495,84                                                                              |
| 2759231         | 30.09.1998   | -10.495,84                                                                             |
| 2732252         | 31.01.1997   | 10.485,80                                                                              |
| 2732253         | 03.02.1997   | -10.485,80                                                                             |
| 5200004291      | 31.03.2004   | 10.482,91                                                                              |
| 6000122180      | 12.06.2002   | 10.482,36                                                                              |
| 6000103598      | 04.05.2005   | -10.479,04                                                                             |
| 5200037122      | 31.12.2001   | 10.467,80                                                                              |
| 2789387         | 31.10.2000   | 10.466,19                                                                              |
| 2789388         | 01.11.2000   | -10.466,19                                                                             |
| 6000314025      | 09.10.2015   | 10.446,68                                                                              |
| 2714187         | 01.11.1995   | 10.444,02                                                                              |
| 2714186         | 31.10.1995   | -10.444,02                                                                             |
| 2500001182      | 18.03.2003   | 10.439,52                                                                              |
| 6000246663      | 19.10.2005   | -10.436,08                                                                             |
| 5200000852      | 31.01.2005   | 10.428,42                                                                              |
| 2600033486      | 12.05.2005   | -10.425,49                                                                             |
| 5200005456      | 31.08.2007   | -10.421,01                                                                             |
| 5200008881      | 31.07.2004   | 10.416,59                                                                              |
| 2700744         | 30.11.2000   | 10.396,15                                                                              |
| 2700745         | 01.12.2000   | -10.396,15                                                                             |
| 2748165         | 31.12.1997   | 10.389,60                                                                              |
| 2748166         | 02.01.1998   | -10.389,60                                                                             |
| 6000243328      | 04.12.2003   | 10.387,88                                                                              |
| 5200006879      | 31.10.2007   | -10.381,95                                                                             |
| 2774613         | 01.09.1999   | 10.380,87                                                                              |
| 2775455         | 01.10.1999   | -10.380,87                                                                             |
| 6000141167      | 07.07.2004   | -10.378,98                                                                             |
| 2500003111      | 14.12.2007   | 10.372,05                                                                              |
| 2780442         | 29.02.2000   | 10.371,33                                                                              |
| 2780443         | 01.03.2000   | -10.371,33                                                                             |
| 5200000729      | 31.01.2006   | 10.369,78                                                                              |
| 5200010082      | 30.09.2003   | -10.364,22                                                                             |
| 5200034804      | 31.10.2017   | 10.363,14                                                                              |
| 2702647         | 04.10.1994   | 10.350,17                                                                              |
| 2702646         | 30.09.1994   | -10.350,17                                                                             |
| 6000245252      | 08.12.2003   | 10.347,17                                                                              |
| 2769623         | 31.05.1999   | 10.346,73                                                                              |
| 2769624         | 01.06.1999   | -10.346,73                                                                             |
| 2500001184      | 04.05.2006   | 10.337,66                                                                              |
| 2756753         | 03.08.1998   | 10.334,57                                                                              |
| 2756752         | 31.07.1998   | -10.334,57                                                                             |
| 2709483         | 01.06.1995   | 10.332,37                                                                              |
| 2709482         | 31.05.1995   | -10.332,37                                                                             |
| 5200002132      | 31.05.2001   | 10.324,81                                                                              |
| 5200001953      | 01.06.2001   | -10.324,81                                                                             |
| 2757937         | 01.09.1998   | 10.319,52                                                                              |
| 2757936         | 31.08.1998   | -10.319,52                                                                             |
| 5200005210      | 31.07.2009   | -10.315,29                                                                             |
| 5200000807      | 31.01.2008   | -10.309,79                                                                             |
| 2717969         | 31.01.1996   | 10.308,98                                                                              |
| 2717970         | 01.02.1996   | -10.308,98                                                                             |
| 2701471         | 01.08.1994   | 10.299,43                                                                              |
| 2701470         | 31.07.1994   | -10.299,43                                                                             |
| 4500000193      | 26.01.2009   | -10.297,17                                                                             |
| 4500007441      | 19.11.2003   | -10.290,53                                                                             |
| 5200010031      | 30.09.2003   | -10.286,94                                                                             |
| 5200006586      | 30.06.2003   | 10.285,54                                                                              |
| 6000058943      | 11.03.2005   | -10.280,30                                                                             |
| 6000015183      | 16.01.2004   | 10.277,56                                                                              |
| 5200000815      | 31.01.2005   | 10.260,54                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001243      | 31.01.2004   | 10.257,55                                                                              |
| 5200008913      | 31.07.2004   | -10.252,51                                                                             |
| 6000078210      | 04.04.2005   | -10.245,18                                                                             |
| 2500003335      | 08.07.2004   | 10.243,46                                                                              |
| 4000129971      | 29.11.2004   | 10.242,75                                                                              |
| 6000285676      | 15.12.2004   | -10.233,78                                                                             |
| 2705332         | 01.04.2001   | 10.229,23                                                                              |
| 2705331         | 31.03.2001   | -10.229,23                                                                             |
| 6000029109      | 11.02.2004   | -10.211,59                                                                             |
| 5200008057      | 30.06.2004   | -10.203,80                                                                             |
| 4500001718      | 03.05.2005   | -10.200,96                                                                             |
| 5200001794      | 31.05.2001   | 10.189,71                                                                              |
| 5200001973      | 01.06.2001   | -10.189,71                                                                             |
| 6000117423      | 07.06.2004   | -10.177,41                                                                             |
| 6000008238      | 13.01.2004   | 10.174,86                                                                              |
| 5200001276      | 28.02.2006   | 10.173,58                                                                              |
| 5200031258      | 30.09.2017   | 10.162,76                                                                              |
| 5200014014      | 31.12.2003   | -10.149,64                                                                             |
| 2750806         | 02.03.1998   | 10.146,86                                                                              |
| 2750805         | 28.02.1998   | -10.146,86                                                                             |
| 6000178837      | 18.08.2004   | -10.143,10                                                                             |
| 2709559         | 01.06.1995   | 10.138,77                                                                              |
| 2709558         | 31.05.1995   | -10.138,77                                                                             |
| 2701753         | 31.12.2000   | 10.136,90                                                                              |
| 2701754         | 01.01.2001   | -10.136,90                                                                             |
| 5200006779      | 31.05.2004   | 10.133,97                                                                              |
| 2787772         | 01.10.1993   | 10.123,88                                                                              |
| 2788072         | 01.11.1993   | 10.123,88                                                                              |
| 2787771         | 30.09.1993   | -10.123,88                                                                             |
| 2788071         | 31.10.1993   | -10.123,88                                                                             |
| 5200019736      | 31.07.2015   | -10.119,48                                                                             |
| 5200000726      | 31.01.2006   | -10.119,40                                                                             |
| 2738902         | 30.04.1997   | 10.118,87                                                                              |
| 2738903         | 02.05.1997   | -10.118,87                                                                             |
| 5200007408      | 30.06.2002   | -10.118,25                                                                             |
| 4500003839      | 10.06.2003   | 10.098,89                                                                              |
| 2721421         | 30.04.1996   | 10.094,79                                                                              |
| 2721422         | 02.05.1996   | -10.094,79                                                                             |
| 5200010749      | 30.06.2011   | -10.093,87                                                                             |
| 5200012935      | 30.11.2003   | -10.088,27                                                                             |
| 2701740         | 01.01.2001   | 10.084,79                                                                              |
| 2701739         | 31.12.2000   | -10.084,79                                                                             |
| 6000039077      | 16.02.2006   | 10.084,23                                                                              |
| 2742406         | 31.07.1997   | 10.083,23                                                                              |
| 2742407         | 01.08.1997   | -10.083,23                                                                             |
| 2756909         | 03.08.1998   | 10.076,24                                                                              |
| 2756908         | 31.07.1998   | -10.076,24                                                                             |
| 2667454         | 01.05.1993   | 10.068,23                                                                              |
| 2667453         | 30.04.1993   | -10.068,23                                                                             |
| 6000399726      | 14.12.2017   | 10.067,43                                                                              |
| 6000306449      | 02.10.2015   | 10.062,57                                                                              |
| 2788197         | 30.09.2000   | 10.060,54                                                                              |
| 2788198         | 02.10.2000   | -10.060,54                                                                             |
| 5200005602      | 30.04.2004   | 10.059,35                                                                              |
| 2665005         | 01.02.1993   | 10.056,40                                                                              |
| 2665004         | 31.01.1993   | -10.056,40                                                                             |
| 5200000817      | 31.01.2005   | 10.056,22                                                                              |
| 5200003424      | 31.03.2003   | -10.055,30                                                                             |
| 5200008751      | 31.08.2003   | 10.055,26                                                                              |
| 6000046123      | 08.02.2008   | 10.054,03                                                                              |
| 2787239         | 02.08.1993   | 10.050,11                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2787238         | 31.07.1993   | -10.050,11                                                                             |
| 2701974         | 01.09.1994   | 10.045,36                                                                              |
| 2701973         | 31.08.1994   | -10.045,36                                                                             |
| 5200008533      | 31.12.2008   | -10.042,05                                                                             |
| 2738915         | 02.05.1997   | 10.041,61                                                                              |
| 2738914         | 30.04.1997   | -10.041,61                                                                             |
| 4500002659      | 30.11.2009   | 10.028,83                                                                              |
| 6000048871      | 28.02.2005   | -10.026,97                                                                             |
| 2789546         | 05.04.1994   | 10.020,37                                                                              |
| 2789545         | 31.03.1994   | -10.020,37                                                                             |
| 2715299         | 01.12.1995   | 10.017,33                                                                              |
| 2715298         | 30.11.1995   | -10.017,33                                                                             |
| 2757961         | 01.07.1991   | 10.015,57                                                                              |
| 2757925         | 30.06.1991   | -10.015,57                                                                             |
| 2703865         | 01.03.2001   | 10.009,23                                                                              |
| 2703864         | 28.02.2001   | -10.009,23                                                                             |
| 5200002524      | 31.03.2005   | -10.008,57                                                                             |
| 2784818         | 03.07.2000   | 10.008,48                                                                              |
| 2784817         | 30.06.2000   | -10.008,48                                                                             |
| 6000044616      | 23.02.2005   | -10.007,72                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## II. Trade Accounts Receivable Life Science from Third Parties

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001139      | 24.07.2017   | 15.853.653,40                                                                          |
| 5000001522      | 30.09.2017   | -13.912.849,06                                                                         |
| 5000000853      | 01.07.2016   | 11.400.500,99                                                                          |
| 5000000582      | 25.05.2016   | -9.069.698,55                                                                          |
| 5000000853      | 01.07.2016   | 9.004.833,15                                                                           |
| 5000000853      | 01.07.2016   | -9.004.833,15                                                                          |
| 5000000028      | 01.01.2015   | 7.968.424,44                                                                           |
| 5000001851      | 31.12.2014   | -7.968.424,44                                                                          |
| 5000000097      | 01.01.2017   | -6.927.441,34                                                                          |
| 5000001647      | 30.10.2017   | -5.582.898,72                                                                          |
| 5000001941      | 31.12.2015   | 4.565.652,50                                                                           |
| 5000001210      | 30.09.2015   | 3.941.827,32                                                                           |
| 5000001496      | 30.11.2016   | -3.938.664,14                                                                          |
| 5000001498      | 30.09.2017   | 3.866.463,10                                                                           |
| 5000001068      | 30.06.2017   | -3.866.463,10                                                                          |
| 5000001918      | 31.12.2016   | 3.740.183,49                                                                           |
| 5000001449      | 30.11.2014   | 3.616.591,80                                                                           |
| 5000001901      | 31.12.2014   | 3.557.332,34                                                                           |
| 5000000372      | 31.03.2015   | -3.557.332,34                                                                          |
| 5000001500      | 30.09.2017   | 3.456.491,93                                                                           |
| 5000001206      | 31.07.2017   | -3.456.491,93                                                                          |
| 5000000856      | 30.06.2017   | 3.434.423,66                                                                           |
| 5000000565      | 31.03.2017   | -3.434.423,66                                                                          |
| 5000001054      | 30.06.2017   | 3.352.388,22                                                                           |
| 5000001497      | 30.09.2017   | 3.352.388,22                                                                           |
| 5000001055      | 30.06.2017   | -3.352.388,22                                                                          |
| 5000001052      | 30.06.2017   | -3.352.388,22                                                                          |
| 5000001989      | 31.12.2013   | 2.892.331,75                                                                           |
| 5000001189      | 30.09.2014   | 2.808.764,32                                                                           |
| 5000000309      | 31.03.2016   | 2.600.687,41                                                                           |
| 5000001941      | 31.12.2015   | -2.469.725,97                                                                          |
| 5000001210      | 30.09.2015   | -2.132.276,45                                                                          |
| 5000001989      | 31.12.2013   | -2.120.233,73                                                                          |
| 5000000779      | 30.06.2016   | 2.099.659,92                                                                           |
| 5000001449      | 30.11.2014   | -1.956.344,84                                                                          |
| 5000000371      | 31.03.2015   | 1.924.289,26                                                                           |
| 5000000329      | 31.03.2015   | -1.892.735,59                                                                          |
| 5000001052      | 30.06.2017   | 1.813.427,60                                                                           |
| 5000001054      | 30.06.2017   | -1.813.427,60                                                                          |
| 5000000751      | 30.06.2014   | 1.800.509,61                                                                           |
| 5000001889      | 31.12.2014   | 1.707.519,52                                                                           |
| 5000000380      | 31.03.2015   | -1.707.519,52                                                                          |
| 5000001189      | 30.09.2014   | -1.519.361,84                                                                          |
| 5000000750      | 30.06.2014   | 1.515.923,03                                                                           |
| 5000000752      | 30.06.2014   | -1.515.923,03                                                                          |
| 5200001814      | 31.05.2001   | 1.470.656,75                                                                           |
| 5200001993      | 01.06.2001   | -1.470.656,75                                                                          |
| 5000000309      | 31.03.2016   | -1.406.805,54                                                                          |
| 5000001501      | 30.09.2017   | 1.352.619,27                                                                           |
| 5000001293      | 30.08.2017   | -1.352.619,27                                                                          |
| 5200002206      | 30.06.2001   | 1.328.618,26                                                                           |
| 5200002393      | 01.07.2001   | -1.328.618,26                                                                          |
| 2749235         | 02.02.1998   | 1.306.350,06                                                                           |
| 2749234         | 31.01.1998   | -1.306.350,06                                                                          |
| 5000000745      | 30.06.2015   | -1.284.286,62                                                                          |
| 2747970         | 02.01.1998   | 1.197.662,02                                                                           |
| 2747969         | 31.12.1997   | -1.197.662,02                                                                          |
| 5000001284      | 01.11.2007   | 1.177.280,83                                                                           |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001229      | 31.10.2007   | 1.177.280,83                                                                           |
| 5000001229      | 31.10.2007   | -1.177.280,83                                                                          |
| 5000001284      | 01.11.2007   | -1.177.280,83                                                                          |
| 2701400         | 01.01.2001   | 1.174.138,51                                                                           |
| 2701399         | 31.12.2000   | -1.174.138,51                                                                          |
| 5000001941      | 31.12.2015   | 1.163.690,21                                                                           |
| 5000001909      | 31.12.2015   | -1.163.690,21                                                                          |
| 5000000779      | 30.06.2016   | -1.135.781,72                                                                          |
| 2750490         | 02.03.1998   | 1.100.864,84                                                                           |
| 2750489         | 28.02.1998   | -1.100.864,84                                                                          |
| 5000001201      | 30.09.2016   | -1.100.387,88                                                                          |
| 5200027565      | 31.08.2017   | 1.084.545,07                                                                           |
| 5200006908      | 31.10.2007   | 1.035.354,10                                                                           |
| 2757701         | 01.09.1998   | 1.033.894,23                                                                           |
| 2757700         | 31.08.1998   | -1.033.894,23                                                                          |
| 4000319947      | 13.11.2007   | -1.027.463,62                                                                          |
| 5000000329      | 31.03.2015   | 1.023.848,89                                                                           |
| 5000000570      | 31.05.2015   | 1.023.848,89                                                                           |
| 5000000570      | 31.05.2015   | -1.023.848,89                                                                          |
| 2755108         | 01.07.1998   | 980.802,93                                                                             |
| 2755107         | 30.06.1998   | -980.802,93                                                                            |
| 2756493         | 03.08.1998   | 979.530,33                                                                             |
| 2756492         | 31.07.1998   | -979.530,33                                                                            |
| 5000000830      | 30.06.2014   | -975.073,33                                                                            |
| 5000000751      | 30.06.2014   | -973.960,54                                                                            |
| 5000001487      | 30.11.2015   | 965.125,61                                                                             |
| 2746802         | 01.12.1997   | 946.164,34                                                                             |
| 2746801         | 30.11.1997   | -946.164,34                                                                            |
| 5000001487      | 30.11.2015   | 942.714,41                                                                             |
| 2745589         | 03.11.1997   | 936.580,06                                                                             |
| 2745588         | 31.10.1997   | -936.580,06                                                                            |
| 5200000144      | 30.04.2001   | 926.951,06                                                                             |
| 5200000317      | 01.05.2001   | -926.951,06                                                                            |
| 2752895         | 04.05.1998   | 925.166,43                                                                             |
| 2752894         | 30.04.1998   | -925.166,43                                                                            |
| 5000000380      | 31.03.2015   | 923.658,85                                                                             |
| 5000000570      | 31.05.2015   | 923.658,85                                                                             |
| 5000001889      | 31.12.2014   | -923.658,85                                                                            |
| 5000000570      | 31.05.2015   | -923.658,85                                                                            |
| 2754017         | 02.06.1998   | 912.758,57                                                                             |
| 2754016         | 31.05.1998   | -912.758,57                                                                            |
| 5000000853      | 01.07.2016   | 883.195,56                                                                             |
| 2789189         | 31.10.2000   | 871.834,09                                                                             |
| 2789190         | 01.11.2000   | -871.834,09                                                                            |
| 5200007571      | 30.11.2007   | 864.498,04                                                                             |
| 5200003898      | 31.07.2001   | 812.523,57                                                                             |
| 5200004052      | 01.08.2001   | -812.523,57                                                                            |
| 5000000888      | 27.07.2016   | 811.071,77                                                                             |
| 5000001145      | 29.09.2016   | 811.071,77                                                                             |
| 5000000885      | 27.07.2016   | -811.071,77                                                                            |
| 5000000889      | 27.07.2016   | -811.071,77                                                                            |
| 2751800         | 01.04.1998   | 806.377,13                                                                             |
| 2751799         | 31.03.1998   | -806.377,13                                                                            |
| 5200034824      | 31.10.2017   | -772.571,67                                                                            |
| 5200037167      | 31.12.2001   | 765.844,34                                                                             |
| 2786936         | 31.08.2000   | 762.631,07                                                                             |
| 2786937         | 01.09.2000   | -762.631,07                                                                            |
| 2782300         | 30.04.2000   | 749.343,81                                                                             |

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| 2782301         | 02.05.2000   | -749.343,81                                                                            |
| 5000002226      | 31.12.2017   | 730.116,14                                                                             |
| 5000002229      | 31.12.2017   | -730.116,14                                                                            |
| 2744416         | 01.10.1997   | 716.539,48                                                                             |
| 2744415         | 30.09.1997   | -716.539,48                                                                            |
| 5000000745      | 30.06.2015   | 694.716,92                                                                             |
| 5000001909      | 31.12.2015   | -690.398,52                                                                            |
| 5200036448      | 30.11.2001   | 686.970,39                                                                             |
| 5200036632      | 01.12.2001   | -686.970,39                                                                            |
| 5200007450      | 30.06.2002   | -671.521,49                                                                            |
| 2742108         | 31.07.1997   | 662.575,93                                                                             |
| 2742109         | 01.08.1997   | -662.575,93                                                                            |
| 5000001909      | 31.12.2015   | 629.481,97                                                                             |
| 5000001941      | 31.12.2015   | -629.481,97                                                                            |
| 5200010099      | 30.09.2003   | -609.472,05                                                                            |
| 2779004         | 31.01.2000   | 596.688,47                                                                             |
| 2779005         | 01.02.2000   | -596.688,47                                                                            |
| 5000001169      | 30.09.2016   | 589.979,30                                                                             |
| 2751807         | 31.03.1998   | 584.351,48                                                                             |
| 2751808         | 01.04.1998   | -584.351,48                                                                            |
| 2788051         | 30.09.2000   | 583.612,52                                                                             |
| 2788052         | 02.10.2000   | -583.612,52                                                                            |
| 2743188         | 01.09.1997   | 581.166,60                                                                             |
| 2743187         | 31.08.1997   | -581.166,60                                                                            |
| 2749242         | 31.01.1998   | 566.963,10                                                                             |
| 2749243         | 02.02.1998   | -566.963,10                                                                            |
| 5200009648      | 31.10.2001   | 558.930,00                                                                             |
| 5200010002      | 01.11.2001   | -558.930,00                                                                            |
| 5200005311      | 01.09.2001   | 558.072,83                                                                             |
| 5200005157      | 31.08.2001   | -558.072,83                                                                            |
| 5000001989      | 31.12.2013   | 555.667,25                                                                             |
| 2781357         | 31.03.2000   | 553.388,78                                                                             |
| 2781358         | 03.04.2000   | -553.388,78                                                                            |
| 5200005157      | 31.08.2001   | 551.325,48                                                                             |
| 5200005311      | 01.09.2001   | -551.325,48                                                                            |
| 5000000830      | 30.06.2014   | 527.452,30                                                                             |
| 5000001487      | 30.11.2015   | -522.071,22                                                                            |
| 5000001487      | 30.11.2015   | -509.948,20                                                                            |
| 5000001499      | 30.09.2017   | 489.952,96                                                                             |
| 5000001170      | 31.07.2017   | -489.952,96                                                                            |
| 2780200         | 29.02.2000   | 482.555,50                                                                             |
| 2780201         | 01.03.2000   | -482.555,50                                                                            |
| 5200005763      | 30.09.2001   | 480.368,31                                                                             |
| 5200005922      | 01.10.2001   | -480.368,31                                                                            |
| 9515447137      | 07.12.2017   | 477.019,97                                                                             |
| 2782278         | 30.04.2000   | 457.974,71                                                                             |
| 2782279         | 02.05.2000   | -457.974,71                                                                            |
| 2750497         | 28.02.1998   | 455.541,75                                                                             |
| 2750498         | 02.03.1998   | -455.541,75                                                                            |
| 5000000853      | 01.07.2016   | -445.224,73                                                                            |
| 2742099         | 01.08.1997   | 443.765,51                                                                             |
| 2742098         | 31.07.1997   | -443.765,51                                                                            |
| 5000000885      | 27.07.2016   | 438.737,95                                                                             |
| 5000000888      | 27.07.2016   | -438.737,95                                                                            |
| 5000000853      | 01.07.2016   | -437.970,83                                                                            |
| 2747977         | 31.12.1997   | 437.330,96                                                                             |
| 2747978         | 02.01.1998   | -437.330,96                                                                            |
| 2783516         | 31.05.2000   | 436.292,99                                                                             |
| 2783517         | 05.06.2000   | -436.292,99                                                                            |
| 5200014568      | 31.12.2002   | -432.779,98                                                                            |
| 2743193         | 31.08.1997   | 429.484,60                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2743194         | 01.09.1997   | -429.484,60                                                                            |
| 5200005546      | 30.04.2002   | -428.123,09                                                                            |
| 2760290         | 02.11.1998   | 421.138,69                                                                             |
| 2760289         | 31.10.1998   | -421.138,69                                                                            |
| 2704889         | 31.03.2001   | 416.320,39                                                                             |
| 2704890         | 01.04.2001   | -416.320,39                                                                            |
| 2775810         | 31.10.1999   | 413.415,24                                                                             |
| 2775811         | 01.11.1999   | -413.415,24                                                                            |
| 5200006788      | 31.05.2002   | -408.184,83                                                                            |
| 2777802         | 31.12.1999   | 405.575,70                                                                             |
| 2777803         | 03.01.2000   | -405.575,70                                                                            |
| 5200003580      | 31.05.2010   | 384.491,66                                                                             |
| 5200007422      | 31.10.2008   | 377.948,72                                                                             |
| 5000001909      | 31.12.2015   | 373.461,44                                                                             |
| 5200005570      | 31.05.2003   | -372.798,96                                                                            |
| 5000000380      | 31.03.2014   | 371.759,73                                                                             |
| 6000446193      | 19.12.2008   | 371.402,55                                                                             |
| 2701401         | 31.12.2000   | 369.692,47                                                                             |
| 2701402         | 01.01.2001   | -369.692,47                                                                            |
| 9515435343      | 04.12.2017   | 366.300,00                                                                             |
| 9515452066      | 11.12.2017   | 366.300,00                                                                             |
| 2700388         | 30.11.2000   | 364.864,92                                                                             |
| 2700389         | 01.12.2000   | -364.864,92                                                                            |
| 2759008         | 01.10.1998   | 359.180,23                                                                             |
| 2759007         | 30.09.1998   | -359.180,23                                                                            |
| 2789193         | 31.10.2000   | 358.806,69                                                                             |
| 2789194         | 01.11.2000   | -358.806,69                                                                            |
| 2785713         | 31.07.2000   | 354.762,12                                                                             |
| 2785714         | 01.08.2000   | -354.762,12                                                                            |
| 2736384         | 28.02.1997   | 354.032,46                                                                             |
| 2736385         | 03.03.1997   | -354.032,46                                                                            |
| 5000001755      | 31.12.2015   | -350.348,86                                                                            |
| 2752902         | 30.04.1998   | 347.007,11                                                                             |
| 2752903         | 04.05.1998   | -347.007,11                                                                            |
| 2746807         | 30.11.1997   | 346.647,23                                                                             |
| 2746808         | 01.12.1997   | -346.647,23                                                                            |
| 5200007418      | 31.10.2008   | 346.428,83                                                                             |
| 2762899         | 04.01.1999   | 344.984,62                                                                             |
| 2762898         | 31.12.1998   | -344.984,62                                                                            |
| 2700387         | 01.12.2000   | 344.607,12                                                                             |
| 2700386         | 30.11.2000   | -344.607,12                                                                            |
| 5200005922      | 01.10.2001   | 340.770,10                                                                             |
| 5200005763      | 30.09.2001   | -340.770,10                                                                            |
| 2740870         | 30.06.1997   | 339.155,77                                                                             |
| 2740871         | 01.07.1997   | -339.155,77                                                                            |
| 2738660         | 30.04.1997   | 337.808,97                                                                             |
| 2738661         | 02.05.1997   | -337.808,97                                                                            |
| 2777800         | 31.12.1999   | 337.237,64                                                                             |
| 2777801         | 03.01.2000   | -337.237,64                                                                            |
| 2700392         | 30.11.2000   | 334.740,69                                                                             |
| 2700393         | 01.12.2000   | -334.740,69                                                                            |
| 2759002         | 01.10.1998   | 331.130,72                                                                             |
| 2759001         | 30.09.1998   | -331.130,72                                                                            |
| 2754026         | 31.05.1998   | 326.993,44                                                                             |
| 2754027         | 02.06.1998   | -326.993,44                                                                            |
| 2744423         | 30.09.1997   | 318.906,34                                                                             |
| 2744424         | 01.10.1997   | -318.906,34                                                                            |
| 5000001818      | 31.12.2016   | 317.880,27                                                                             |
| 5200014065      | 31.12.2003   | -312.487,10                                                                            |
| 2745595         | 03.11.1997   | 311.822,44                                                                             |
| 2745594         | 31.10.1997   | -311.822,44                                                                            |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007426      | 31.10.2008   | -307.932,12                                                                            |
| 4000137100      | 11.05.2010   | 305.859,62                                                                             |
| 5200001258      | 31.01.2003   | -303.900,92                                                                            |
| 2781335         | 31.03.2000   | 302.202,33                                                                             |
| 2781336         | 03.04.2000   | -302.202,33                                                                            |
| 2701384         | 01.01.2001   | 300.774,31                                                                             |
| 2701383         | 31.12.2000   | -300.774,31                                                                            |
| 2788057         | 30.09.2000   | 300.319,17                                                                             |
| 2788058         | 02.10.2000   | -300.319,17                                                                            |
| 2760284         | 02.11.1998   | 300.204,10                                                                             |
| 2760283         | 31.10.1998   | -300.204,10                                                                            |
| 2789199         | 31.10.2000   | 298.588,96                                                                             |
| 2789200         | 01.11.2000   | -298.588,96                                                                            |
| 2704893         | 31.03.2001   | 297.126,90                                                                             |
| 2704894         | 01.04.2001   | -297.126,90                                                                            |
| 2786942         | 31.08.2000   | 295.693,50                                                                             |
| 2786943         | 01.09.2000   | -295.693,50                                                                            |
| 2731828         | 31.01.1997   | 292.302,08                                                                             |
| 2731829         | 03.02.1997   | -292.302,08                                                                            |
| 5000001897      | 30.11.2017   | -289.990,96                                                                            |
| 5200001551      | 31.01.2002   | 289.379,17                                                                             |
| 5200001714      | 01.02.2002   | -289.379,17                                                                            |
| 2766924         | 31.03.1999   | 287.958,03                                                                             |
| 2766925         | 01.04.1999   | -287.958,03                                                                            |
| 5200008765      | 31.08.2003   | 287.200,00                                                                             |
| 2784576         | 03.07.2000   | 286.903,42                                                                             |
| 2784575         | 30.06.2000   | -286.903,42                                                                            |
| 2702570         | 01.02.2001   | 283.638,17                                                                             |
| 2702569         | 31.01.2001   | -283.638,17                                                                            |
| 5000002319      | 31.12.2017   | -281.298,19                                                                            |
| 5200039523      | 30.11.2017   | 280.987,95                                                                             |
| 5200039522      | 30.11.2017   | -280.987,95                                                                            |
| 5200008543      | 31.12.2008   | -278.549,85                                                                            |
| 5200004062      | 31.05.2005   | 277.203,08                                                                             |
| 2745599         | 03.11.1997   | 275.988,64                                                                             |
| 2745598         | 31.10.1997   | -275.988,64                                                                            |
| 2772170         | 02.08.1999   | 273.811,14                                                                             |
| 2772169         | 31.07.1999   | -273.811,14                                                                            |
| 5200004880      | 31.07.2010   | -272.230,95                                                                            |
| 2783515         | 05.06.2000   | 271.337,21                                                                             |
| 2783514         | 31.05.2000   | -271.337,21                                                                            |
| 2761634         | 01.12.1998   | 270.544,57                                                                             |
| 2761633         | 30.11.1998   | -270.544,57                                                                            |
| 5000000365      | 31.03.2015   | -263.500,09                                                                            |
| 5000000824      | 30.06.2014   | -263.197,06                                                                            |
| 2737512         | 31.03.1997   | 262.565,84                                                                             |
| 2737513         | 01.04.1997   | -262.565,84                                                                            |
| 2766257         | 01.01.1992   | 261.406,75                                                                             |
| 2766218         | 31.12.1991   | -261.406,75                                                                            |
| 2784577         | 30.06.2000   | 260.749,75                                                                             |
| 2784578         | 03.07.2000   | -260.749,75                                                                            |
| 2714037         | 01.11.1995   | 257.364,75                                                                             |
| 2714036         | 31.10.1995   | -257.364,75                                                                            |
| 9515473774      | 20.12.2017   | 255.000,00                                                                             |
| 2777776         | 31.12.1999   | 254.861,54                                                                             |
| 2777777         | 03.01.2000   | -254.861,54                                                                            |
| 2700398         | 30.11.2000   | 254.197,92                                                                             |
| 2700399         | 01.12.2000   | -254.197,92                                                                            |
| 2703688         | 28.02.2001   | 252.841,90                                                                             |
| 2703689         | 01.03.2001   | -252.841,90                                                                            |
| 5200000828      | 31.01.2009   | 250.402,69                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2702575         | 31.01.2001   | 249.859,92                                                                             |
| 2702576         | 01.02.2001   | -249.859,92                                                                            |
| 2770571         | 30.06.1999   | 247.560,35                                                                             |
| 2770572         | 01.07.1999   | -247.560,35                                                                            |
| 5200007431      | 31.10.2008   | -247.472,01                                                                            |
| 2500001194      | 23.12.2016   | 247.068,64                                                                             |
| 4000422657      | 28.12.2016   | -247.068,64                                                                            |
| 2782304         | 30.04.2000   | 244.966,36                                                                             |
| 2782305         | 02.05.2000   | -244.966,36                                                                            |
| 9515449018      | 08.12.2017   | 244.500,00                                                                             |
| 4000000254      | 05.01.2015   | 244.399,01                                                                             |
| 4000000265      | 05.01.2015   | -244.399,01                                                                            |
| 5200004052      | 01.08.2001   | 243.987,09                                                                             |
| 5200003898      | 31.07.2001   | -243.987,09                                                                            |
| 2769267         | 31.05.1999   | 239.196,20                                                                             |
| 2769268         | 01.06.1999   | -239.196,20                                                                            |
| 5000000368      | 31.03.2016   | -238.990,07                                                                            |
| 6000447072      | 18.12.2008   | -237.779,45                                                                            |
| 2785717         | 31.07.2000   | 234.557,01                                                                             |
| 2785718         | 01.08.2000   | -234.557,01                                                                            |
| 2702571         | 31.01.2001   | 232.640,98                                                                             |
| 2702572         | 01.02.2001   | -232.640,98                                                                            |
| 2763992         | 01.02.1999   | 230.601,76                                                                             |
| 2763991         | 31.01.1999   | -230.601,76                                                                            |
| 2701405         | 31.12.2000   | 228.762,09                                                                             |
| 2701406         | 01.01.2001   | -228.762,09                                                                            |
| 5200001724      | 31.01.2015   | 228.645,41                                                                             |
| 2770569         | 30.06.1999   | 226.189,41                                                                             |
| 2770570         | 01.07.1999   | -226.189,41                                                                            |
| 2765465         | 28.02.1999   | 226.043,60                                                                             |
| 2765466         | 01.03.1999   | -226.043,60                                                                            |
| 2736394         | 28.02.1997   | 224.978,76                                                                             |
| 2736395         | 03.03.1997   | -224.978,76                                                                            |
| 2745596         | 31.10.1997   | 224.046,94                                                                             |
| 2745597         | 03.11.1997   | -224.046,94                                                                            |
| 2783520         | 31.05.2000   | 223.159,96                                                                             |
| 2783521         | 05.06.2000   | -223.159,96                                                                            |
| 2781994         | 01.09.1992   | 222.331,82                                                                             |
| 2781946         | 31.08.1992   | -222.331,82                                                                            |
| 2707664         | 03.04.1995   | 220.867,20                                                                             |
| 2707663         | 31.03.1995   | -220.867,20                                                                            |
| 5200013004      | 30.11.2003   | -220.746,04                                                                            |
| 2739681         | 31.05.1997   | 219.733,68                                                                             |
| 2739682         | 02.06.1997   | -219.733,68                                                                            |
| 5200006599      | 30.06.2003   | 218.125,38                                                                             |
| 2703684         | 28.02.2001   | 217.273,51                                                                             |
| 2703685         | 01.03.2001   | -217.273,51                                                                            |
| 2702548         | 01.02.2001   | 215.917,18                                                                             |
| 2702547         | 31.01.2001   | -215.917,18                                                                            |
| 5200009168      | 31.07.2002   | 211.692,02                                                                             |
| 2500001216      | 21.05.2010   | -211.304,54                                                                            |
| 9515449084      | 08.12.2017   | 207.255,00                                                                             |
| 2703657         | 01.03.2001   | 204.764,55                                                                             |
| 2703656         | 28.02.2001   | -204.764,55                                                                            |
| 5200002823      | 28.02.2002   | 203.391,86                                                                             |
| 5200002997      | 01.03.2002   | -203.391,86                                                                            |
| 2775832         | 31.10.1999   | 203.384,77                                                                             |
| 2775833         | 01.11.1999   | -203.384,77                                                                            |
| 5200002212      | 30.06.2001   | 203.353,77                                                                             |
| 5200002399      | 01.07.2001   | -203.353,77                                                                            |
| 2784581         | 30.06.2000   | 202.042,11                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2784582         | 03.07.2000   | -202.042,11                                                                            |
| 2775836         | 31.10.1999   | 201.321,47                                                                             |
| 2775837         | 01.11.1999   | -201.321,47                                                                            |
| 9515362280      | 02.11.2017   | 198.183,50                                                                             |
| 5200034825      | 31.10.2017   | -197.299,40                                                                            |
| 2713165         | 02.10.1995   | 196.295,42                                                                             |
| 2713164         | 30.09.1995   | -196.295,42                                                                            |
| 5200008556      | 31.12.2008   | 196.230,98                                                                             |
| 2781361         | 31.03.2000   | 195.150,54                                                                             |
| 2781362         | 03.04.2000   | -195.150,54                                                                            |
| 5000001064      | 30.06.2017   | 193.524,23                                                                             |
| 5000001364      | 30.09.2017   | 193.524,23                                                                             |
| 5000001060      | 30.06.2017   | -193.524,23                                                                            |
| 5000001365      | 30.09.2017   | -193.524,23                                                                            |
| 5200002751      | 30.04.2006   | -193.398,86                                                                            |
| 5000000556      | 31.03.2017   | 190.480,01                                                                             |
| 5000000853      | 30.06.2017   | 190.480,01                                                                             |
| 5000000553      | 31.03.2017   | -190.480,01                                                                            |
| 5000000854      | 30.06.2017   | -190.480,01                                                                            |
| 2789188         | 01.11.2000   | 189.886,29                                                                             |
| 2789187         | 31.10.2000   | -189.886,29                                                                            |
| 2751813         | 31.03.1998   | 189.856,41                                                                             |
| 2751814         | 01.04.1998   | -189.856,41                                                                            |
| 5000001755      | 31.12.2015   | 189.516,32                                                                             |
| 9515385640      | 13.11.2017   | 189.280,00                                                                             |
| 2788050         | 02.10.2000   | 187.707,76                                                                             |
| 2788049         | 30.09.2000   | -187.707,76                                                                            |
| 5200007294      | 30.11.2006   | -186.856,59                                                                            |
| 2769271         | 31.05.1999   | 185.631,09                                                                             |
| 2769272         | 01.06.1999   | -185.631,09                                                                            |
| 2704899         | 31.03.2001   | 184.817,28                                                                             |
| 2704900         | 01.04.2001   | -184.817,28                                                                            |
| 5200008547      | 31.12.2008   | -184.264,87                                                                            |
| 2783494         | 31.05.2000   | 184.185,27                                                                             |
| 2783495         | 05.06.2000   | -184.185,27                                                                            |
| 5200012218      | 30.11.2004   | -183.975,95                                                                            |
| 9515391677      | 15.11.2017   | 183.370,44                                                                             |
| 9515467749      | 18.12.2017   | 183.150,00                                                                             |
| 2781998         | 01.09.1992   | 181.872,07                                                                             |
| 2781950         | 31.08.1992   | -181.872,07                                                                            |
| 5200000842      | 31.01.2009   | -180.294,08                                                                            |
| 5200004507      | 30.04.2003   | -179.507,35                                                                            |
| 2724711         | 01.08.1996   | 178.700,45                                                                             |
| 2724710         | 31.07.1996   | -178.700,45                                                                            |
| 5000000873      | 30.06.2002   | 178.472,92                                                                             |
| 5000000870      | 30.06.2002   | -178.472,92                                                                            |
| 2774614         | 01.07.1992   | 177.266,08                                                                             |
| 2774577         | 30.06.1992   | -177.266,08                                                                            |
| 9515400148      | 17.11.2017   | 176.436,42                                                                             |
| 2704888         | 02.01.1995   | 175.704,06                                                                             |
| 2704887         | 31.12.1994   | -175.704,06                                                                            |
| 2780204         | 29.02.2000   | 173.704,71                                                                             |
| 2780205         | 01.03.2000   | -173.704,71                                                                            |
| 5200011341      | 31.10.2004   | -173.308,30                                                                            |
| 2749248         | 31.01.1998   | 170.164,25                                                                             |
| 2749249         | 02.02.1998   | -170.164,25                                                                            |
| 5000002229      | 31.12.2017   | 170.150,35                                                                             |
| 2783456         | 01.10.1992   | 169.337,39                                                                             |
| 2783407         | 30.09.1992   | -169.337,39                                                                            |
| 2775998         | 01.08.1992   | 168.000,89                                                                             |
| 2775960         | 31.07.1992   | -168.000,89                                                                            |

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| 2766265         | 01.01.1992   | 167.992,18                                                                             |
| 2766226         | 31.12.1991   | -167.992,18                                                                            |
| 9515423877      | 28.11.2017   | 166.874,53                                                                             |
| 9515407106      | 21.11.2017   | 166.785,43                                                                             |
| 2783461         | 01.10.1992   | 166.474,32                                                                             |
| 2783412         | 30.09.1992   | -166.474,32                                                                            |
| 2744426         | 01.10.1997   | 166.094,80                                                                             |
| 2744425         | 30.09.1997   | -166.094,80                                                                            |
| 9515436924      | 04.12.2017   | 165.869,22                                                                             |
| 5200010002      | 01.11.2001   | 165.079,54                                                                             |
| 5200009648      | 31.10.2001   | -165.079,54                                                                            |
| 5200000874      | 31.01.2005   | 163.661,84                                                                             |
| 2779006         | 31.01.2000   | 163.569,54                                                                             |
| 2779007         | 01.02.2000   | -163.569,54                                                                            |
| 2523651         | 30.09.1999   | 162.612,87                                                                             |
| 2524055         | 01.10.1999   | -162.612,87                                                                            |
| 5200023424      | 31.08.2013   | -161.338,95                                                                            |
| 5200001717      | 31.01.2015   | 161.009,61                                                                             |
| 2736390         | 28.02.1997   | 160.655,95                                                                             |
| 2736391         | 03.03.1997   | -160.655,95                                                                            |
| 2703683         | 01.03.2001   | 160.389,34                                                                             |
| 2703682         | 28.02.2001   | -160.389,34                                                                            |
| 2640903         | 30.04.1996   | 159.757,60                                                                             |
| 2640904         | 02.05.1996   | -159.757,60                                                                            |
| 2738668         | 30.04.1997   | 157.125,69                                                                             |
| 2738669         | 02.05.1997   | -157.125,69                                                                            |
| 9515420238      | 27.11.2017   | 156.760,13                                                                             |
| 2731836         | 31.01.1997   | 156.145,18                                                                             |
| 2731837         | 03.02.1997   | -156.145,18                                                                            |
| 9515256475      | 19.09.2017   | 155.503,04                                                                             |
| 2775265         | 01.10.1999   | 154.842,52                                                                             |
| 2774423         | 01.09.1999   | -154.842,52                                                                            |
| 5200003736      | 31.05.2009   | -153.937,91                                                                            |
| 2761941         | 01.10.1991   | 151.513,75                                                                             |
| 2761896         | 30.09.1991   | -151.513,75                                                                            |
| 5200002680      | 31.01.2013   | -150.831,67                                                                            |
| 5200007417      | 31.10.2008   | -150.355,30                                                                            |
| 2706438         | 01.03.1995   | 150.324,51                                                                             |
| 2706437         | 28.02.1995   | -150.324,51                                                                            |
| 2780176         | 29.02.2000   | 149.765,35                                                                             |
| 2780177         | 01.03.2000   | -149.765,35                                                                            |
| 5000001586      | 31.12.2014   | -149.699,66                                                                            |
| 5200002223      | 30.06.2001   | 149.553,07                                                                             |
| 5200002410      | 01.07.2001   | -149.553,07                                                                            |
| 5200006843      | 30.09.2005   | 149.214,88                                                                             |
| 2708478         | 02.05.1995   | 148.849,55                                                                             |
| 2708477         | 30.04.1995   | -148.849,55                                                                            |
| 5200001833      | 31.05.2001   | 148.714,57                                                                             |
| 5200002012      | 01.06.2001   | -148.714,57                                                                            |
| 2789475         | 31.10.2000   | 148.045,43                                                                             |
| 2789476         | 01.11.2000   | -148.045,43                                                                            |
| 2731832         | 31.01.1997   | 145.830,95                                                                             |
| 2731833         | 03.02.1997   | -145.830,95                                                                            |
| 5200006143      | 30.09.2010   | -145.663,89                                                                            |
| 5000001501      | 01.12.2007   | 144.530,34                                                                             |
| 5000001501      | 01.12.2007   | -144.530,34                                                                            |
| 2523651         | 30.09.1999   | 144.099,91                                                                             |
| 2524055         | 01.10.1999   | -144.099,91                                                                            |
| 5200007419      | 31.10.2008   | 143.540,41                                                                             |
| 2775250         | 01.10.1999   | 143.166,86                                                                             |
| 2774408         | 01.09.1999   | -143.166,86                                                                            |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.



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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000824      | 30.06.2014   | 142.372,77                                                                             |
| 5200003594      | 31.05.2010   | -142.184,94                                                                            |
| 5200011626      | 31.05.2012   | 139.332,22                                                                             |
| 2763987         | 31.01.1999   | 138.408,40                                                                             |
| 2763988         | 01.02.1999   | -138.408,40                                                                            |
| 5200001726      | 31.01.2015   | -137.096,33                                                                            |
| 2700688         | 30.11.2000   | 136.451,36                                                                             |
| 2700689         | 01.12.2000   | -136.451,36                                                                            |
| 2706428         | 01.03.1995   | 136.101,51                                                                             |
| 2706427         | 28.02.1995   | -136.101,51                                                                            |
| 2761607         | 30.11.1998   | 135.364,61                                                                             |
| 2761608         | 01.12.1998   | -135.364,61                                                                            |
| 5200005973      | 31.08.2008   | 135.134,14                                                                             |
| 5200001668      | 29.02.2008   | -134.765,77                                                                            |
| 5200001572      | 29.02.2008   | 134.194,11                                                                             |
| 2788029         | 30.09.2000   | 133.913,04                                                                             |
| 2788030         | 02.10.2000   | -133.913,04                                                                            |
| 5200007080      | 28.02.2013   | 133.827,69                                                                             |
| 2704864         | 01.04.2001   | 132.941,86                                                                             |
| 2704863         | 31.03.2001   | -132.941,86                                                                            |
| 2712232         | 01.09.1995   | 132.403,91                                                                             |
| 2712231         | 31.08.1995   | -132.403,91                                                                            |
| 5200008223      | 30.11.2005   | 131.593,33                                                                             |
| 5200002301      | 31.03.2009   | -130.753,67                                                                            |
| 5200001315      | 31.01.2004   | 129.284,40                                                                             |
| 2704905         | 31.03.2001   | 128.737,56                                                                             |
| 2704906         | 01.04.2001   | -128.737,56                                                                            |
| 5200000744      | 31.01.2006   | -128.647,51                                                                            |
| 5200021782      | 30.09.2012   | -128.425,53                                                                            |
| 5200006154      | 30.09.2010   | 128.013,88                                                                             |
| 2744422         | 01.10.1997   | 127.783,46                                                                             |
| 2744421         | 30.09.1997   | -127.783,46                                                                            |
| 2620267         | 31.12.1994   | 127.638,74                                                                             |
| 2620278         | 02.01.1995   | -127.638,74                                                                            |
| 5200003912      | 31.07.2001   | 126.641,99                                                                             |
| 5200004066      | 01.08.2001   | -126.641,99                                                                            |
| 9515467002      | 15.12.2017   | 126.472,32                                                                             |
| 5200006161      | 30.09.2007   | -125.113,28                                                                            |
| 2774419         | 01.09.1999   | 124.815,75                                                                             |
| 2775261         | 01.10.1999   | -124.815,75                                                                            |
| 5200004893      | 31.07.2010   | 123.111,51                                                                             |
| 9515309246      | 10.10.2017   | 122.924,08                                                                             |
| 5200005977      | 31.08.2008   | 122.766,90                                                                             |
| 2764494         | 02.12.1991   | 122.504,76                                                                             |
| 2764457         | 30.11.1991   | -122.504,76                                                                            |
| 5200003400      | 31.05.2006   | -122.453,87                                                                            |
| 2709359         | 01.06.1995   | 121.920,37                                                                             |
| 2709358         | 31.05.1995   | -121.920,37                                                                            |
| 5200006831      | 31.05.2004   | -121.877,72                                                                            |
| 5200037348      | 31.12.2001   | 121.801,28                                                                             |
| 5200011636      | 31.05.2012   | -121.547,34                                                                            |
| 9515447208      | 07.12.2017   | 120.113,82                                                                             |
| 2788347         | 30.09.2000   | 119.868,42                                                                             |
| 2788348         | 02.10.2000   | -119.868,42                                                                            |
| 2703174         | 01.11.1994   | 119.744,23                                                                             |
| 2703173         | 31.10.1994   | -119.744,23                                                                            |
| 2763256         | 01.11.1991   | 119.473,97                                                                             |
| 2763220         | 31.10.1991   | -119.473,97                                                                            |
| 5200002576      | 31.03.2005   | 118.890,75                                                                             |
| 5200028530      | 31.10.2015   | 118.685,63                                                                             |
| 2750503         | 28.02.1998   | 118.609,23                                                                             |

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| 2750504         | 02.03.1998   | -118.609,23                                                                            |
| 2705255         | 31.03.2001   | 118.330,50                                                                             |
| 2705256         | 01.04.2001   | -118.330,50                                                                            |
| 2746810         | 01.12.1997   | 118.050,20                                                                             |
| 2746809         | 30.11.1997   | -118.050,20                                                                            |
| 2700786         | 01.07.1994   | 117.949,83                                                                             |
| 2700785         | 30.06.1994   | -117.949,83                                                                            |
| 2775262         | 01.10.1999   | 117.704,37                                                                             |
| 2774420         | 01.09.1999   | -117.704,37                                                                            |
| 5200000159      | 30.04.2001   | 117.640,28                                                                             |
| 5200000332      | 01.05.2001   | -117.640,28                                                                            |
| 2787224         | 31.08.2000   | 117.639,95                                                                             |
| 2787225         | 01.09.2000   | -117.639,95                                                                            |
| 2785712         | 01.08.2000   | 117.560,40                                                                             |
| 2785711         | 31.07.2000   | -117.560,40                                                                            |
| 5200023733      | 31.07.2017   | 116.405,86                                                                             |
| 2500000818      | 10.08.2017   | -116.405,86                                                                            |
| 5200015603      | 30.09.2011   | 115.968,58                                                                             |
| 9515456711      | 12.12.2017   | 115.681,69                                                                             |
| 9515429939      | 30.11.2017   | 115.669,48                                                                             |
| 5200036765      | 30.11.2001   | 115.654,84                                                                             |
| 5200036767      | 01.12.2001   | -115.654,84                                                                            |
| 5200002315      | 31.03.2009   | 114.921,06                                                                             |
| 2500002825      | 04.11.2008   | -114.846,64                                                                            |
| 2736393         | 03.03.1997   | 114.748,47                                                                             |
| 2736392         | 28.02.1997   | -114.748,47                                                                            |
| 5200031259      | 30.09.2017   | -114.673,99                                                                            |
| 2747981         | 31.12.1997   | 113.844,12                                                                             |
| 2747982         | 02.01.1998   | -113.844,12                                                                            |
| 2738664         | 30.04.1997   | 113.816,84                                                                             |
| 2738665         | 02.05.1997   | -113.816,84                                                                            |
| 2725932         | 02.09.1996   | 113.454,72                                                                             |
| 2725931         | 31.08.1996   | -113.454,72                                                                            |
| 2757709         | 01.09.1998   | 112.702,46                                                                             |
| 2757708         | 31.08.1998   | -112.702,46                                                                            |
| 2749252         | 31.01.1998   | 112.686,04                                                                             |
| 2749253         | 02.02.1998   | -112.686,04                                                                            |
| 5200002269      | 31.03.2008   | -112.516,16                                                                            |
| 2716720         | 31.12.1995   | 112.351,96                                                                             |
| 2715977         | 02.01.1996   | 112.351,96                                                                             |
| 2717063         | 02.01.1996   | 112.351,96                                                                             |
| 2715976         | 31.12.1995   | -112.351,96                                                                            |
| 2717062         | 31.12.1995   | -112.351,96                                                                            |
| 2716721         | 02.01.1996   | -112.351,96                                                                            |
| 2730562         | 31.12.1996   | 112.145,12                                                                             |
| 2730563         | 02.01.1997   | -112.145,12                                                                            |
| 2786946         | 31.08.2000   | 111.901,99                                                                             |
| 2786947         | 01.09.2000   | -111.901,99                                                                            |
| 2778976         | 31.01.2000   | 111.577,93                                                                             |
| 2778977         | 01.02.2000   | -111.577,93                                                                            |
| 5200005986      | 31.08.2008   | -111.228,36                                                                            |
| 2717634         | 01.02.1996   | 110.940,71                                                                             |
| 2717633         | 31.01.1996   | -110.940,71                                                                            |
| 5200012725      | 31.12.2004   | -110.180,35                                                                            |
| 5200007502      | 30.11.2010   | 110.123,48                                                                             |
| 5200002393      | 01.07.2001   | 109.800,80                                                                             |
| 5200002206      | 30.06.2001   | -109.800,80                                                                            |
| 5200004324      | 31.03.2002   | 109.140,76                                                                             |
| 5200015613      | 30.09.2011   | -108.957,10                                                                            |
| 5200005581      | 30.04.2004   | 108.903,65                                                                             |
| 5200004701      | 30.06.2005   | 108.764,10                                                                             |

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| 5200041942      | 31.12.2017   | 108.493,91                                                                             |
| 5200041941      | 31.12.2017   | -108.493,91                                                                            |
| 2742112         | 31.07.1997   | 108.430,16                                                                             |
| 2742113         | 01.08.1997   | -108.430,16                                                                            |
| 2776003         | 01.08.1992   | 108.367,70                                                                             |
| 2775965         | 31.07.1992   | -108.367,70                                                                            |
| 5000000679      | 29.05.2009   | 107.366,19                                                                             |
| 9515453479      | 11.12.2017   | 107.156,04                                                                             |
| 9515456699      | 12.12.2017   | 107.156,04                                                                             |
| 9515456700      | 12.12.2017   | 107.156,04                                                                             |
| 9515459755      | 13.12.2017   | 107.156,04                                                                             |
| 2782308         | 30.04.2000   | 107.060,92                                                                             |
| 2782309         | 02.05.2000   | -107.060,92                                                                            |
| 4000144915      | 29.05.2009   | -106.781,37                                                                            |
| 2761627         | 30.11.1998   | 106.625,54                                                                             |
| 2761628         | 01.12.1998   | -106.625,54                                                                            |
| 2772179         | 31.07.1999   | 106.358,85                                                                             |
| 2772180         | 02.08.1999   | -106.358,85                                                                            |
| 2718939         | 01.03.1996   | 106.177,74                                                                             |
| 2718938         | 29.02.1996   | -106.177,74                                                                            |
| 5200017832      | 31.07.2014   | 105.914,78                                                                             |
| 2642022         | 31.05.1996   | 105.197,86                                                                             |
| 2642023         | 03.06.1996   | -105.197,86                                                                            |
| 5200008115      | 30.11.2008   | -105.157,24                                                                            |
| 5200001292      | 28.02.2006   | 104.895,06                                                                             |
| 2754029         | 02.06.1998   | 104.868,04                                                                             |
| 2754028         | 31.05.1998   | -104.868,04                                                                            |
| 5200005228      | 31.07.2008   | 104.738,87                                                                             |
| 2756507         | 03.08.1998   | 104.703,16                                                                             |
| 2756506         | 31.07.1998   | -104.703,16                                                                            |
| 5200001993      | 01.06.2001   | 104.600,54                                                                             |
| 5200001814      | 31.05.2001   | -104.600,54                                                                            |
| 2737516         | 31.03.1997   | 104.502,38                                                                             |
| 2737517         | 01.04.1997   | -104.502,38                                                                            |
| 2707666         | 03.04.1995   | 104.443,62                                                                             |
| 2707665         | 31.03.1995   | -104.443,62                                                                            |
| 9515459751      | 13.12.2017   | 104.260,28                                                                             |
| 5200010780      | 31.10.2001   | 104.128,74                                                                             |
| 5200010929      | 01.11.2001   | -104.128,74                                                                            |
| 9515364065      | 02.11.2017   | 104.107,98                                                                             |
| 5200019883      | 31.12.2011   | 103.883,88                                                                             |
| 2743192         | 01.09.1997   | 103.688,28                                                                             |
| 2743191         | 31.08.1997   | -103.688,28                                                                            |
| 2765468         | 01.03.1999   | 103.493,91                                                                             |
| 2765467         | 28.02.1999   | -103.493,91                                                                            |
| 9515483328      | 29.12.2017   | 103.400,00                                                                             |
| 2782299         | 02.05.2000   | 103.141,70                                                                             |
| 2782298         | 30.04.2000   | -103.141,70                                                                            |
| 2703694         | 28.02.2001   | 103.131,20                                                                             |
| 2703695         | 01.03.2001   | -103.131,20                                                                            |
| 5200008395      | 31.12.2009   | 103.029,63                                                                             |
| 5200003802      | 31.05.2009   | 102.725,30                                                                             |
| 5200007222      | 31.03.2015   | 102.561,94                                                                             |
| 2755117         | 30.06.1998   | 102.391,42                                                                             |
| 2755118         | 01.07.1998   | -102.391,42                                                                            |
| 2721197         | 30.04.1996   | 102.141,84                                                                             |
| 2721198         | 02.05.1996   | -102.141,84                                                                            |
| 5200019019      | 30.11.2011   | 102.052,03                                                                             |
| 9515374295      | 08.11.2017   | 101.854,92                                                                             |
| 2743198         | 01.09.1997   | 101.117,39                                                                             |
| 2743197         | 31.08.1997   | -101.117,39                                                                            |

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| 5200000322      | 01.05.2001   | 101.109,34                                                                             |
| 5200000149      | 30.04.2001   | -101.109,34                                                                            |
| 2705767         | 01.02.1995   | 100.946,60                                                                             |
| 2705766         | 31.01.1995   | -100.946,60                                                                            |
| 5200005972      | 31.08.2008   | -99.850,09                                                                             |
| 2740862         | 30.06.1997   | 99.794,00                                                                              |
| 2740863         | 01.07.1997   | -99.794,00                                                                             |
| 9515429942      | 30.11.2017   | 99.692,85                                                                              |
| 2781365         | 31.03.2000   | 99.414,87                                                                              |
| 2781366         | 03.04.2000   | -99.414,87                                                                             |
| 5200005930      | 01.10.2001   | 99.213,33                                                                              |
| 5200005771      | 30.09.2001   | -99.213,33                                                                             |
| 5200001790      | 28.02.2005   | -99.121,56                                                                             |
| 2755123         | 30.06.1998   | 98.846,40                                                                              |
| 2755124         | 01.07.1998   | -98.846,40                                                                             |
| 2783524         | 31.05.2000   | 98.233,29                                                                              |
| 2783525         | 05.06.2000   | -98.233,29                                                                             |
| 2789169         | 31.10.2000   | 98.150,79                                                                              |
| 2789170         | 01.11.2000   | -98.150,79                                                                             |
| 2762893         | 04.01.1999   | 98.083,17                                                                              |
| 2762892         | 31.12.1998   | -98.083,17                                                                             |
| 2751817         | 31.03.1998   | 97.735,82                                                                              |
| 2751818         | 01.04.1998   | -97.735,82                                                                             |
| 2702581         | 31.01.2001   | 97.630,81                                                                              |
| 2702582         | 01.02.2001   | -97.630,81                                                                             |
| 6000002596      | 05.01.2009   | -97.405,84                                                                             |
| 2704036         | 28.02.2001   | 96.995,71                                                                              |
| 2704037         | 01.03.2001   | -96.995,71                                                                             |
| 2752907         | 04.05.1998   | 96.581,79                                                                              |
| 2752906         | 30.04.1998   | -96.581,79                                                                             |
| 5200007509      | 30.11.2010   | -96.446,96                                                                             |
| 2786945         | 01.09.2000   | 96.348,66                                                                              |
| 2786944         | 31.08.2000   | -96.348,66                                                                             |
| 5200006028      | 30.09.2001   | 96.204,81                                                                              |
| 5200006036      | 01.10.2001   | -96.204,81                                                                             |
| 2702919         | 31.01.2001   | 95.559,11                                                                              |
| 2702920         | 01.02.2001   | -95.559,11                                                                             |
| 5200005473      | 31.08.2001   | 95.558,97                                                                              |
| 5200005483      | 01.09.2001   | -95.558,97                                                                             |
| 5200019031      | 30.11.2011   | -94.675,56                                                                             |
| 2562297         | 31.12.1996   | 94.484,91                                                                              |
| 2562298         | 02.01.1997   | -94.484,91                                                                             |
| 2715099         | 01.12.1995   | 94.370,49                                                                              |
| 2715098         | 30.11.1995   | -94.370,49                                                                             |
| 2774621         | 01.07.1992   | 94.347,86                                                                              |
| 2774584         | 30.06.1992   | -94.347,86                                                                             |
| 2747983         | 31.12.1997   | 94.011,29                                                                              |
| 2747984         | 02.01.1998   | -94.011,29                                                                             |
| 2750507         | 28.02.1998   | 94.001,45                                                                              |
| 2750508         | 02.03.1998   | -94.001,45                                                                             |
| 5200003728      | 28.02.2014   | 93.964,83                                                                              |
| 2766930         | 31.03.1999   | 93.801,47                                                                              |
| 2766931         | 01.04.1999   | -93.801,47                                                                             |
| 2719998         | 01.04.1996   | 93.688,53                                                                              |
| 2719997         | 31.03.1996   | -93.688,53                                                                             |
| 5200008551      | 31.12.2008   | -93.634,85                                                                             |
| 5200001678      | 28.02.2009   | -93.504,18                                                                             |
| 2780175         | 01.03.2000   | 93.360,36                                                                              |
| 2780174         | 29.02.2000   | -93.360,36                                                                             |
| 2782592         | 30.04.2000   | 93.201,58                                                                              |
| 2782593         | 02.05.2000   | -93.201,58                                                                             |

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| 2710302         | 03.07.1995   | 92.283,86                                                                              |
| 2710301         | 30.06.1995   | -92.283,86                                                                             |
| 9515427925      | 30.11.2017   | 92.000,40                                                                              |
| 9515374295      | 08.11.2017   | 90.476,69                                                                              |
| 2780208         | 29.02.2000   | 90.429,90                                                                              |
| 2780209         | 01.03.2000   | -90.429,90                                                                             |
| 2784585         | 30.06.2000   | 90.076,16                                                                              |
| 2784586         | 03.07.2000   | -90.076,16                                                                             |
| 5200020682      | 31.07.2013   | -89.969,75                                                                             |
| 2785721         | 31.07.2000   | 89.349,60                                                                              |
| 2785722         | 01.08.2000   | -89.349,60                                                                             |
| 5200010355      | 31.08.2002   | -89.255,77                                                                             |
| 5200001934      | 31.03.2006   | -88.904,86                                                                             |
| 2711251         | 01.08.1995   | 88.818,83                                                                              |
| 2711250         | 31.07.1995   | -88.818,83                                                                             |
| 5200010521      | 30.09.2004   | -88.692,04                                                                             |
| 2786023         | 31.07.2000   | 88.186,77                                                                              |
| 2786024         | 01.08.2000   | -88.186,77                                                                             |
| 5200022448      | 31.08.2015   | -88.124,95                                                                             |
| 5200031358      | 30.11.2015   | 87.736,85                                                                              |
| 2727097         | 30.09.1996   | 87.733,37                                                                              |
| 2727098         | 01.10.1996   | -87.733,37                                                                             |
| 9515366059      | 03.11.2017   | 87.397,77                                                                              |
| 2705779         | 01.02.1995   | 87.343,09                                                                              |
| 2705778         | 31.01.1995   | -87.343,09                                                                             |
| 5200000837      | 31.01.2010   | 87.011,80                                                                              |
| 9515480271      | 27.12.2017   | 86.764,36                                                                              |
| 6000260069      | 14.08.2009   | -86.282,93                                                                             |
| 9515425222      | 29.11.2017   | 86.167,97                                                                              |
| 5200009267      | 30.04.2014   | -85.701,54                                                                             |
| 5200011455      | 30.04.2015   | -85.581,58                                                                             |
| 5200025985      | 30.09.2013   | -85.542,49                                                                             |
| 2779010         | 31.01.2000   | 85.416,69                                                                              |
| 2779011         | 01.02.2000   | -85.416,69                                                                             |
| 5200019772      | 31.08.2012   | -85.401,66                                                                             |
| 2701719         | 31.12.2000   | 85.395,01                                                                              |
| 2701720         | 01.01.2001   | -85.395,01                                                                             |
| 5200031278      | 30.11.2013   | -85.227,86                                                                             |
| 5100094838      | 30.09.2015   | 84.649,45                                                                              |
| 5200008542      | 31.12.2008   | -84.646,19                                                                             |
| 9515339099      | 23.10.2017   | 84.630,71                                                                              |
| 2729477         | 30.11.1996   | 84.552,25                                                                              |
| 2729478         | 02.12.1996   | -84.552,25                                                                             |
| 5200002279      | 31.03.2008   | -83.121,39                                                                             |
| 9515380394      | 09.11.2017   | 82.809,60                                                                              |
| 9515430949      | 30.11.2017   | 82.809,60                                                                              |
| 5200003468      | 31.03.2003   | -82.767,66                                                                             |
| 5200007229      | 31.03.2015   | -82.702,74                                                                             |
| 2783828         | 31.05.2000   | 82.696,12                                                                              |
| 2783829         | 05.06.2000   | -82.696,12                                                                             |
| 9515438754      | 05.12.2017   | 82.452,18                                                                              |
| 2772171         | 31.07.1999   | 82.382,24                                                                              |
| 2772172         | 02.08.1999   | -82.382,24                                                                             |
| 2761626         | 01.12.1998   | 81.963,15                                                                              |
| 2761625         | 30.11.1998   | -81.963,15                                                                             |
| 2700384         | 01.06.1994   | 81.920,23                                                                              |
| 2700383         | 31.05.1994   | -81.920,23                                                                             |
| 9515377812      | 09.11.2017   | 81.526,03                                                                              |
| 9515400146      | 17.11.2017   | 81.454,63                                                                              |
| 2643406         | 30.06.1996   | 81.451,34                                                                              |
| 2643407         | 01.07.1996   | -81.451,34                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2757705         | 01.09.1998   | 81.437,92                                                                              |
| 2757704         | 31.08.1998   | -81.437,92                                                                             |
| 5200001438      | 28.02.2007   | -81.236,59                                                                             |
| 9515349562      | 26.10.2017   | 80.992,49                                                                              |
| 5000001586      | 31.12.2014   | 80.977,94                                                                              |
| 2782307         | 02.05.2000   | 80.840,86                                                                              |
| 2782306         | 30.04.2000   | -80.840,86                                                                             |
| 9515364068      | 02.11.2017   | 80.585,70                                                                              |
| 5200005642      | 30.04.2011   | -80.470,02                                                                             |
| 5200031365      | 30.11.2015   | -79.819,26                                                                             |
| 5200006683      | 30.09.2008   | -79.636,57                                                                             |
| 5200036632      | 01.12.2001   | 79.501,46                                                                              |
| 5200036448      | 30.11.2001   | -79.501,46                                                                             |
| 2786950         | 31.08.2000   | 79.198,80                                                                              |
| 2786951         | 01.09.2000   | -79.198,80                                                                             |
| 5200007620      | 31.07.2003   | 78.923,05                                                                              |
| 5000000938      | 31.07.2016   | 78.621,09                                                                              |
| 9515367687      | 06.11.2017   | 78.618,63                                                                              |
| 5200002285      | 31.03.2008   | 78.553,50                                                                              |
| 2747980         | 02.01.1998   | 78.303,06                                                                              |
| 2747979         | 31.12.1997   | -78.303,06                                                                             |
| 2701317         | 01.08.1994   | 78.133,28                                                                              |
| 2701316         | 31.07.1994   | -78.133,28                                                                             |
| 5200007227      | 31.03.2015   | 78.097,32                                                                              |
| 2752901         | 04.05.1998   | 78.005,44                                                                              |
| 2752900         | 30.04.1998   | -78.005,44                                                                             |
| 2700368         | 30.11.2000   | 77.741,96                                                                              |
| 2700369         | 01.12.2000   | -77.741,96                                                                             |
| 6000002407      | 06.01.2009   | 77.679,27                                                                              |
| 2786912         | 31.08.2000   | 77.561,98                                                                              |
| 2786913         | 01.09.2000   | -77.561,98                                                                             |
| 2785720         | 01.08.2000   | 77.525,86                                                                              |
| 2785719         | 31.07.2000   | -77.525,86                                                                             |
| 5200001580      | 28.02.2009   | 77.474,90                                                                              |
| 9515320593      | 13.10.2017   | 77.285,45                                                                              |
| 5200002783      | 30.04.2007   | -77.192,45                                                                             |
| 9515453476      | 11.12.2017   | 77.080,18                                                                              |
| 2713177         | 02.10.1995   | 77.018,80                                                                              |
| 2713176         | 30.09.1995   | -77.018,80                                                                             |
| 5200023176      | 30.09.2014   | 76.876,74                                                                              |
| 2717659         | 31.01.1996   | 76.846,35                                                                              |
| 2717660         | 01.02.1996   | -76.846,35                                                                             |
| 6000040096      | 31.01.2011   | -76.737,21                                                                             |
| 9515423880      | 28.11.2017   | 76.573,32                                                                              |
| 5000002229      | 31.12.2017   | 76.297,35                                                                              |
| 5000002229      | 31.12.2017   | 76.109,40                                                                              |
| 5000001861      | 31.12.2016   | 75.997,43                                                                              |
| 2789874         | 02.05.1994   | 75.797,28                                                                              |
| 2789873         | 30.04.1994   | -75.797,28                                                                             |
| 5000001826      | 31.12.2015   | 75.621,77                                                                              |
| 9515385572      | 13.11.2017   | 75.323,50                                                                              |
| 9515428900      | 30.11.2017   | 75.198,30                                                                              |
| 2769275         | 31.05.1999   | 75.113,35                                                                              |
| 2769276         | 01.06.1999   | -75.113,35                                                                             |
| 5200006676      | 30.09.2008   | 75.090,71                                                                              |
| 9512656121      | 23.07.2014   | -74.690,00                                                                             |
| 9515405796      | 21.11.2017   | 74.580,97                                                                              |
| 5200007556      | 30.11.2007   | -74.399,33                                                                             |
| 5200032035      | 30.11.2016   | 74.395,13                                                                              |
| 2783523         | 05.06.2000   | 74.178,01                                                                              |
| 2783522         | 31.05.2000   | -74.178,01                                                                             |

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| 5200004294      | 31.03.2004   | 73.980,40                                                                              |
| 9515420246      | 27.11.2017   | 73.809,32                                                                              |
| 5200005654      | 30.04.2011   | 73.698,89                                                                              |
| 5200004303      | 31.03.2004   | 73.623,36                                                                              |
| 2743199         | 31.08.1997   | 73.553,29                                                                              |
| 2743200         | 01.09.1997   | -73.553,29                                                                             |
| 9515398622      | 17.11.2017   | 73.474,66                                                                              |
| 5200000317      | 01.05.2001   | 73.436,21                                                                              |
| 5200000144      | 30.04.2001   | -73.436,21                                                                             |
| 9515400151      | 17.11.2017   | 72.962,40                                                                              |
| 5200033419      | 31.12.2015   | -72.557,37                                                                             |
| 2784887         | 30.06.2000   | 72.522,36                                                                              |
| 2784888         | 03.07.2000   | -72.522,36                                                                             |
| 5200011458      | 30.04.2015   | -72.496,04                                                                             |
| 2782314         | 30.04.2000   | 72.492,96                                                                              |
| 2782315         | 02.05.2000   | -72.492,96                                                                             |
| 5200033546      | 31.12.2013   | -72.072,97                                                                             |
| 5000002229      | 31.12.2017   | 72.040,26                                                                              |
| 5200017314      | 31.10.2011   | -71.914,50                                                                             |
| 2784555         | 30.06.2000   | 71.762,70                                                                              |
| 2784556         | 03.07.2000   | -71.762,70                                                                             |
| 5200007889      | 31.03.2016   | -71.747,27                                                                             |
| 2781356         | 03.04.2000   | 71.470,20                                                                              |
| 2781355         | 31.03.2000   | -71.470,20                                                                             |
| 2740874         | 30.06.1997   | 71.402,14                                                                              |
| 2740875         | 01.07.1997   | -71.402,14                                                                             |
| 5200025781      | 31.10.2014   | 71.385,65                                                                              |
| 9515384770      | 13.11.2017   | 71.364,07                                                                              |
| 2777806         | 31.12.1999   | 71.031,22                                                                              |
| 2777807         | 03.01.2000   | -71.031,22                                                                             |
| 9515402400      | 20.11.2017   | 70.618,72                                                                              |
| 5200008406      | 31.12.2009   | -70.608,00                                                                             |
| 5200012726      | 31.12.2004   | 70.568,14                                                                              |
| 5200006892      | 31.10.2007   | -70.539,58                                                                             |
| 5200005522      | 31.08.2010   | 70.256,59                                                                              |
| 5200008924      | 31.07.2004   | 70.100,27                                                                              |
| 5200001559      | 29.02.2008   | -70.080,41                                                                             |
| 2789376         | 05.04.1994   | 70.055,80                                                                              |
| 2789375         | 31.03.1994   | -70.055,80                                                                             |
| 9515325610      | 17.10.2017   | 69.854,57                                                                              |
| 2667408         | 01.05.1993   | 69.522,66                                                                              |
| 2667407         | 30.04.1993   | -69.522,66                                                                             |
| 2764501         | 02.12.1991   | 69.516,17                                                                              |
| 2764464         | 30.11.1991   | -69.516,17                                                                             |
| 9515439169      | 05.12.2017   | 69.429,69                                                                              |
| 2781643         | 31.03.2000   | 69.202,28                                                                              |
| 2781644         | 03.04.2000   | -69.202,28                                                                             |
| 5200007074      | 28.02.2013   | 69.121,72                                                                              |
| 5200033426      | 31.12.2015   | 69.052,11                                                                              |
| 2754025         | 02.06.1998   | 68.941,17                                                                              |
| 2754024         | 31.05.1998   | -68.941,17                                                                             |
| 2702469         | 04.10.1994   | 68.867,20                                                                              |
| 2702468         | 30.09.1994   | -68.867,20                                                                             |
| 9515429944      | 30.11.2017   | 68.342,13                                                                              |
| 2722329         | 31.05.1996   | 68.219,43                                                                              |
| 2722330         | 03.06.1996   | -68.219,43                                                                             |
| 2773182         | 01.06.1992   | 68.172,08                                                                              |
| 2773144         | 31.05.1992   | -68.172,08                                                                             |
| 2643405         | 01.07.1996   | 68.029,89                                                                              |
| 2643404         | 30.06.1996   | -68.029,89                                                                             |
| 5200007894      | 31.03.2016   | 67.940,64                                                                              |

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| 5200008642      | 31.12.2008   | -67.853,37                                                                             |
| 5000002229      | 31.12.2017   | 67.796,88                                                                              |
| 5000000853      | 01.07.2016   | 67.734,98                                                                              |
| 5000000853      | 01.07.2016   | 67.734,98                                                                              |
| 5000000980      | 11.08.2016   | 67.734,98                                                                              |
| 5000000980      | 11.08.2016   | 67.734,98                                                                              |
| 5000000828      | 30.06.2014   | -67.734,98                                                                             |
| 5000000828      | 30.06.2014   | -67.734,98                                                                             |
| 5000000853      | 01.07.2016   | -67.734,98                                                                             |
| 5000000853      | 01.07.2016   | -67.734,98                                                                             |
| 2784584         | 03.07.2000   | 67.631,74                                                                              |
| 2784583         | 30.06.2000   | -67.631,74                                                                             |
| 2704888         | 01.04.2001   | 67.498,87                                                                              |
| 2704887         | 31.03.2001   | -67.498,87                                                                             |
| 5200006893      | 31.10.2007   | 67.467,61                                                                              |
| 5200006680      | 30.09.2008   | 67.362,04                                                                              |
| 9515428534      | 04.12.2017   | 67.188,30                                                                              |
| 5000002027      | 31.12.2017   | 67.129,16                                                                              |
| 2642021         | 03.06.1996   | 66.918,87                                                                              |
| 2642020         | 31.05.1996   | -66.918,87                                                                             |
| 9515420239      | 27.11.2017   | 66.464,83                                                                              |
| 5200032038      | 30.11.2016   | -66.404,26                                                                             |
| 5200023183      | 30.09.2014   | -66.207,49                                                                             |
| 9515413784      | 23.11.2017   | 66.050,52                                                                              |
| 2781364         | 03.04.2000   | 65.619,86                                                                              |
| 2781363         | 31.03.2000   | -65.619,86                                                                             |
| 9515442525      | 06.12.2017   | 65.514,16                                                                              |
| 2755127         | 30.06.1998   | 65.261,89                                                                              |
| 2755128         | 01.07.1998   | -65.261,89                                                                             |
| 9515284902      | 29.09.2017   | 65.110,30                                                                              |
| 2500002823      | 04.11.2008   | -65.087,03                                                                             |
| 9515478813      | 22.12.2017   | 64.874,28                                                                              |
| 5000000815      | 30.06.2016   | 64.865,40                                                                              |
| 2770575         | 30.06.1999   | 64.744,32                                                                              |
| 2770576         | 01.07.1999   | -64.744,32                                                                             |
| 9515476440      | 21.12.2017   | 64.716,55                                                                              |
| 5200006000      | 30.09.2006   | 64.680,97                                                                              |
| 5200006434      | 31.03.2014   | 64.518,82                                                                              |
| 5200037167      | 31.12.2001   | -64.492,80                                                                             |
| 5200004060      | 01.08.2001   | 64.478,74                                                                              |
| 5200003906      | 31.07.2001   | -64.478,74                                                                             |
| 5200003094      | 30.04.2008   | 64.463,44                                                                              |
| 9515366061      | 03.11.2017   | 64.192,93                                                                              |
| 5200017327      | 31.10.2011   | 64.160,76                                                                              |
| 5200001517      | 28.02.2010   | 63.764,11                                                                              |
| 5200006598      | 30.09.2009   | -63.687,08                                                                             |
| 5200021774      | 30.09.2012   | -63.468,21                                                                             |
| 5200011460      | 30.04.2015   | 63.427,03                                                                              |
| 2706440         | 01.03.1995   | 63.375,87                                                                              |
| 2706439         | 28.02.1995   | -63.375,87                                                                             |
| 6000301013      | 27.09.2013   | 63.089,34                                                                              |
| 5200000832      | 31.01.2009   | 63.083,68                                                                              |
| 2785691         | 31.07.2000   | 63.060,54                                                                              |
| 2785692         | 01.08.2000   | -63.060,54                                                                             |
| 2648851         | 01.11.1996   | 62.974,80                                                                              |
| 2648850         | 31.10.1996   | -62.974,80                                                                             |
| 9514644682      | 21.12.2016   | 62.929,00                                                                              |
| 2766934         | 31.03.1999   | 62.928,20                                                                              |
| 2766935         | 01.04.1999   | -62.928,20                                                                             |
| 5200008774      | 31.08.2003   | -62.833,15                                                                             |
| 9515420244      | 27.11.2017   | 62.824,74                                                                              |

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| 5200005533      | 31.08.2010   | -62.764,47                                                                             |
| 2701838         | 01.09.1994   | 62.755,41                                                                              |
| 2701837         | 31.08.1994   | -62.755,41                                                                             |
| 5200009764      | 31.03.2013   | 62.713,35                                                                              |
| 9515420247      | 27.11.2017   | 62.499,16                                                                              |
| 9515051568      | 20.06.2017   | 62.419,58                                                                              |
| 9515374998      | 08.11.2017   | 62.400,00                                                                              |
| 9515326107      | 17.10.2017   | 62.320,26                                                                              |
| 9515339100      | 23.10.2017   | 62.253,28                                                                              |
| 2714053         | 01.11.1995   | 62.157,96                                                                              |
| 2714052         | 31.10.1995   | -62.157,96                                                                             |
| 9515452129      | 11.12.2017   | 62.003,75                                                                              |
| 5200005319      | 01.09.2001   | 61.902,92                                                                              |
| 5200005165      | 31.08.2001   | -61.902,92                                                                             |
| 2767275         | 03.02.1992   | 61.891,66                                                                              |
| 2767238         | 31.01.1992   | -61.891,66                                                                             |
| 9515476440      | 21.12.2017   | 61.712,25                                                                              |
| 9515423882      | 28.11.2017   | 61.470,29                                                                              |
| 9515466346      | 15.12.2017   | 61.054,59                                                                              |
| 9515352957      | 27.10.2017   | 61.039,30                                                                              |
| 9515459753      | 13.12.2017   | 60.953,49                                                                              |
| 2760294         | 02.11.1998   | 60.884,45                                                                              |
| 2760293         | 31.10.1998   | -60.884,45                                                                             |
| 9515422729      | 28.11.2017   | 60.795,36                                                                              |
| 2752908         | 30.04.1998   | 60.773,15                                                                              |
| 2752909         | 04.05.1998   | -60.773,15                                                                             |
| 9515467839      | 18.12.2017   | 60.601,87                                                                              |
| 2750502         | 02.03.1998   | 60.554,94                                                                              |
| 2750501         | 28.02.1998   | -60.554,94                                                                             |
| 9515226931      | 06.09.2017   | 60.397,18                                                                              |
| 9515429943      | 30.11.2017   | 60.124,11                                                                              |
| 9515412404      | 23.11.2017   | 60.045,80                                                                              |
| 9515395582      | 16.11.2017   | 60.030,27                                                                              |
| 9515403468      | 20.11.2017   | 59.992,16                                                                              |
| 5200006689      | 30.09.2008   | -59.868,55                                                                             |
| 9515361524      | 13.11.2017   | -59.814,15                                                                             |
| 5200022444      | 31.08.2015   | -59.595,65                                                                             |
| 9515302072      | 06.10.2017   | 59.428,02                                                                              |
| 2703700         | 28.02.2001   | 59.315,95                                                                              |
| 2703701         | 01.03.2001   | -59.315,95                                                                             |
| 6000025800      | 23.01.2012   | -59.249,56                                                                             |
| 9515408741      | 22.11.2017   | 59.243,70                                                                              |
| 2780207         | 01.03.2000   | 59.194,47                                                                              |
| 2780206         | 29.02.2000   | -59.194,47                                                                             |
| 2779003         | 01.02.2000   | 59.157,62                                                                              |
| 2779002         | 31.01.2000   | -59.157,62                                                                             |
| 2763986         | 01.02.1999   | 59.028,30                                                                              |
| 2763985         | 31.01.1999   | -59.028,30                                                                             |
| 5200021784      | 30.09.2012   | 58.990,35                                                                              |
| 2780506         | 29.02.2000   | 58.870,50                                                                              |
| 2780507         | 01.03.2000   | -58.870,50                                                                             |
| 2701411         | 31.12.2000   | 58.714,76                                                                              |
| 2701412         | 01.01.2001   | -58.714,76                                                                             |
| 9515403476      | 20.11.2017   | 58.712,10                                                                              |
| 5200017323      | 31.10.2011   | 58.669,15                                                                              |
| 9512739750      | 28.08.2014   | -58.558,50                                                                             |
| 9512370466      | 01.04.2014   | 58.558,38                                                                              |
| 2787590         | 01.10.1993   | 58.507,42                                                                              |
| 2787589         | 30.09.1993   | -58.507,42                                                                             |
| 2640901         | 02.05.1996   | 58.357,37                                                                              |
| 2640900         | 30.04.1996   | -58.357,37                                                                             |

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| 9515478551      | 22.12.2017   | 58.021,91                                                                              |
| 9515476225      | 21.12.2017   | 58.006,80                                                                              |
| 9515471231      | 19.12.2017   | 57.708,00                                                                              |
| 9515459756      | 13.12.2017   | 57.699,40                                                                              |
| 2500002395      | 26.11.2012   | 57.650,72                                                                              |
| 2752912         | 30.04.1998   | 57.267,04                                                                              |
| 2752913         | 04.05.1998   | -57.267,04                                                                             |
| 2789478         | 01.11.2000   | 57.158,19                                                                              |
| 2789477         | 31.10.2000   | -57.158,19                                                                             |
| 2755122         | 01.07.1998   | 56.931,66                                                                              |
| 2755121         | 30.06.1998   | -56.931,66                                                                             |
| 5200003991      | 28.02.2015   | -56.897,12                                                                             |
| 2759220         | 31.07.1991   | 56.851,71                                                                              |
| 2759185         | 01.08.1991   | 56.851,71                                                                              |
| 2759873         | 01.08.1991   | 56.851,71                                                                              |
| 2759150         | 31.07.1991   | -56.851,71                                                                             |
| 2759834         | 31.07.1991   | -56.851,71                                                                             |
| 2759259         | 01.08.1991   | -56.851,71                                                                             |
| 9515338989      | 23.10.2017   | 56.789,63                                                                              |
| 5200030837      | 31.12.2014   | 56.749,11                                                                              |
| 9515422000      | 28.11.2017   | 56.550,32                                                                              |
| 9515312444      | 11.10.2017   | 56.339,94                                                                              |
| 5200007564      | 30.11.2007   | -56.321,77                                                                             |
| 5200008555      | 31.12.2008   | 56.221,37                                                                              |
| 2779009         | 01.02.2000   | 56.153,99                                                                              |
| 2779008         | 31.01.2000   | -56.153,99                                                                             |
| 5200001932      | 31.03.2006   | -56.126,92                                                                             |
| 2775840         | 31.10.1999   | 56.099,80                                                                              |
| 2775841         | 01.11.1999   | -56.099,80                                                                             |
| 5200002673      | 31.01.2013   | -55.882,29                                                                             |
| 9515366058      | 03.11.2017   | 55.648,18                                                                              |
| 9515413785      | 23.11.2017   | 55.648,18                                                                              |
| 2770551         | 30.06.1999   | 55.590,16                                                                              |
| 2770552         | 01.07.1999   | -55.590,16                                                                             |
| 2700790         | 01.07.1994   | 55.589,67                                                                              |
| 2700789         | 30.06.1994   | -55.589,67                                                                             |
| 5200001558      | 29.02.2008   | 55.585,70                                                                              |
| 2756503         | 03.08.1998   | 55.561,87                                                                              |
| 2756502         | 31.07.1998   | -55.561,87                                                                             |
| 9515407109      | 21.11.2017   | 55.421,99                                                                              |
| 5200006113      | 31.08.2005   | -55.350,46                                                                             |
| 5200013945      | 30.11.2002   | -55.244,54                                                                             |
| 5200000763      | 31.01.2007   | 55.165,42                                                                              |
| 9515237499      | 11.09.2017   | 55.157,65                                                                              |
| 5200002398      | 31.03.2009   | 55.088,85                                                                              |
| 2766942         | 31.03.1999   | 55.079,11                                                                              |
| 2766943         | 01.04.1999   | -55.079,11                                                                             |
| 9515420243      | 27.11.2017   | 54.982,17                                                                              |
| 9515371116      | 07.11.2017   | 54.919,41                                                                              |
| 9515387775      | 13.11.2017   | 54.891,50                                                                              |
| 5200015609      | 30.09.2011   | -54.779,68                                                                             |
| 9515413782      | 23.11.2017   | 54.704,46                                                                              |
| 9515284949      | 29.09.2017   | 54.490,90                                                                              |
| 9515386368      | 13.11.2017   | 54.270,45                                                                              |
| 5200030843      | 31.12.2014   | 54.256,40                                                                              |
| 5200009196      | 31.05.2011   | 54.183,37                                                                              |
| 5200006675      | 30.09.2008   | -54.004,77                                                                             |
| 2779306         | 31.01.2000   | 53.987,77                                                                              |
| 2779307         | 01.02.2000   | -53.987,77                                                                             |
| 9512591325      | 30.06.2014   | -53.911,00                                                                             |
| 2766933         | 01.04.1999   | 53.783,84                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2766932         | 31.03.1999   | -53.783,84                                                                             |
| 2500004137      | 10.09.2003   | 53.408,17                                                                              |
| 5200017090      | 30.06.2015   | -53.380,52                                                                             |
| 2731835         | 03.02.1997   | 53.373,03                                                                              |
| 2731834         | 31.01.1997   | -53.373,03                                                                             |
| 5200003903      | 31.03.2011   | -53.366,09                                                                             |
| 2760742         | 01.09.1991   | 53.331,75                                                                              |
| 2760705         | 31.08.1991   | -53.331,75                                                                             |
| 9515407107      | 21.11.2017   | 53.327,23                                                                              |
| 9515433803      | 01.12.2017   | 53.308,82                                                                              |
| 9515413781      | 23.11.2017   | 53.262,85                                                                              |
| 2789010         | 01.03.1994   | 53.244,39                                                                              |
| 2789009         | 28.02.1994   | -53.244,39                                                                             |
| 2746811         | 30.11.1997   | 53.207,30                                                                              |
| 2746812         | 01.12.1997   | -53.207,30                                                                             |
| 2759012         | 01.10.1998   | 53.162,64                                                                              |
| 2759011         | 30.09.1998   | -53.162,64                                                                             |
| 2667412         | 01.05.1993   | 53.144,29                                                                              |
| 2667411         | 30.04.1993   | -53.144,29                                                                             |
| 9515366050      | 03.11.2017   | 53.051,65                                                                              |
| 2762903         | 04.01.1999   | 52.913,65                                                                              |
| 2762902         | 31.12.1998   | -52.913,65                                                                             |
| 5200007083      | 28.02.2013   | -52.882,96                                                                             |
| 2788061         | 30.09.2000   | 52.863,86                                                                              |
| 2788062         | 02.10.2000   | -52.863,86                                                                             |
| 5200002403      | 01.07.2001   | 52.863,53                                                                              |
| 5200002216      | 30.06.2001   | -52.863,53                                                                             |
| 2763262         | 01.11.1991   | 52.772,76                                                                              |
| 2763226         | 31.10.1991   | -52.772,76                                                                             |
| 5200008248      | 30.11.2008   | -52.738,37                                                                             |
| 2700691         | 01.12.2000   | 52.681,89                                                                              |
| 2700690         | 30.11.2000   | -52.681,89                                                                             |
| 5200004827      | 31.07.2007   | -52.540,99                                                                             |
| 5200036451      | 30.11.2001   | 52.449,65                                                                              |
| 5200036635      | 01.12.2001   | -52.449,65                                                                             |
| 2500001493      | 23.06.2010   | -52.397,96                                                                             |
| 5200013888      | 31.05.2016   | 52.394,68                                                                              |
| 2780199         | 01.03.2000   | 52.293,78                                                                              |
| 2780198         | 29.02.2000   | -52.293,78                                                                             |
| 9515439029      | 05.12.2017   | 52.279,13                                                                              |
| 2781369         | 31.03.2000   | 52.022,07                                                                              |
| 2781370         | 03.04.2000   | -52.022,07                                                                             |
| 9515405796      | 21.11.2017   | 51.997,08                                                                              |
| 2754034         | 31.05.1998   | 51.949,33                                                                              |
| 2754035         | 02.06.1998   | -51.949,33                                                                             |
| 9515420245      | 27.11.2017   | 51.944,24                                                                              |
| 5200017071      | 31.07.2012   | 51.923,42                                                                              |
| 5200000850      | 31.01.2010   | -51.906,33                                                                             |
| 5200006787      | 30.09.2008   | -51.904,42                                                                             |
| 2780212         | 29.02.2000   | 51.807,44                                                                              |
| 2780213         | 01.03.2000   | -51.807,44                                                                             |
| 9515420254      | 27.11.2017   | 51.752,11                                                                              |
| 9515342160      | 24.10.2017   | 51.730,96                                                                              |
| 5200001718      | 01.02.2002   | 51.539,10                                                                              |
| 5200001555      | 31.01.2002   | -51.539,10                                                                             |
| 9515381274      | 10.11.2017   | 51.289,38                                                                              |
| 9515361524      | 13.11.2017   | -51.211,20                                                                             |
| 2762838         | 31.12.1998   | 51.151,40                                                                              |
| 2517741         | 04.01.1999   | 51.151,40                                                                              |
| 2517740         | 31.12.1998   | -51.151,40                                                                             |
| 2762839         | 04.01.1999   | -51.151,40                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007486      | 31.10.2008   | 51.100,59                                                                              |
| 9515432453      | 01.12.2017   | 51.070,00                                                                              |
| 2775267         | 01.10.1999   | 50.890,54                                                                              |
| 2774425         | 01.09.1999   | -50.890,54                                                                             |
| 5200002784      | 30.04.2007   | 50.886,40                                                                              |
| 5200019876      | 31.12.2011   | 50.874,53                                                                              |
| 6000020073      | 17.01.2012   | -50.874,20                                                                             |
| 9515357943      | 30.10.2017   | 50.806,08                                                                              |
| 5000001365      | 30.09.2017   | 50.743,04                                                                              |
| 5000001064      | 30.06.2017   | -50.743,04                                                                             |
| 5200022450      | 31.08.2015   | 50.682,72                                                                              |
| 6000402219      | 18.11.2008   | 50.670,48                                                                              |
| 2769283         | 31.05.1999   | 50.591,87                                                                              |
| 2769284         | 01.06.1999   | -50.591,87                                                                             |
| 9515443881      | 06.12.2017   | 50.580,78                                                                              |
| 5200003389      | 30.04.2005   | -50.569,38                                                                             |
| 9515371447      | 07.11.2017   | 50.523,84                                                                              |
| 2787324         | 01.09.1993   | 50.510,46                                                                              |
| 2787323         | 31.08.1993   | -50.510,46                                                                             |
| 5200009206      | 31.05.2011   | -50.452,82                                                                             |
| 2730570         | 31.12.1996   | 50.448,80                                                                              |
| 2730571         | 02.01.1997   | -50.448,80                                                                             |
| 2668216         | 01.06.1993   | 50.417,49                                                                              |
| 2668215         | 31.05.1993   | -50.417,49                                                                             |
| 5200004054      | 30.06.2006   | 50.396,34                                                                              |
| 2722339         | 31.05.1996   | 50.341,09                                                                              |
| 2722340         | 03.06.1996   | -50.341,09                                                                             |
| 6000411807      | 27.12.2017   | 50.323,32                                                                              |
| 2708482         | 02.05.1995   | 50.299,20                                                                              |
| 2708481         | 30.04.1995   | -50.299,20                                                                             |
| 5200017094      | 30.06.2015   | -50.177,20                                                                             |
| 9515436927      | 04.12.2017   | 50.126,97                                                                              |
| 2500001733      | 23.07.2010   | -50.121,25                                                                             |
| 2739685         | 31.05.1997   | 50.118,36                                                                              |
| 2739686         | 02.06.1997   | -50.118,36                                                                             |
| 5000000854      | 30.06.2017   | 49.944,81                                                                              |
| 5000000556      | 31.03.2017   | -49.944,81                                                                             |
| 9515365962      | 03.11.2017   | 49.865,31                                                                              |
| 5200006204      | 31.03.2012   | -49.723,18                                                                             |
| 9515424520      | 28.11.2017   | 49.420,80                                                                              |
| 2727070         | 01.10.1996   | 49.349,52                                                                              |
| 2727069         | 30.09.1996   | -49.349,52                                                                             |
| 2721205         | 30.04.1996   | 49.288,39                                                                              |
| 2721206         | 02.05.1996   | -49.288,39                                                                             |
| 9515342160      | 24.10.2017   | 49.139,58                                                                              |
| 9515381665      | 10.11.2017   | 49.124,88                                                                              |
| 9515402310      | 20.11.2017   | 49.124,88                                                                              |
| 5200029007      | 31.10.2016   | 49.117,48                                                                              |
| 5200007846      | 31.12.2010   | 49.068,53                                                                              |
| 6000344465      | 02.10.2008   | 48.962,84                                                                              |
| 9515452226      | 11.12.2017   | 48.867,97                                                                              |
| 5200028526      | 31.10.2015   | 48.694,33                                                                              |
| 2765443         | 28.02.1999   | 48.686,48                                                                              |
| 2765444         | 01.03.1999   | -48.686,48                                                                             |
| 6000059048      | 23.02.2009   | 48.549,61                                                                              |
| 2723408         | 01.07.1996   | 48.265,99                                                                              |
| 2723407         | 30.06.1996   | -48.265,99                                                                             |
| 9515420240      | 27.11.2017   | 48.246,29                                                                              |
| 2786935         | 01.09.2000   | 48.216,12                                                                              |
| 2786934         | 31.08.2000   | -48.216,12                                                                             |
| 2763996         | 01.02.1999   | 48.077,46                                                                              |

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| 2763995         | 31.01.1999   | -48.077,46                                                                             |
| 5200014322      | 31.05.2015   | 48.062,75                                                                              |
| 2666489         | 01.04.1993   | 47.999,39                                                                              |
| 2666488         | 31.03.1993   | -47.999,39                                                                             |
| 9515347364      | 25.10.2017   | 47.938,55                                                                              |
| 6000023224      | 05.02.2003   | 47.933,36                                                                              |
| 5200013893      | 31.05.2016   | -47.893,23                                                                             |
| 2711247         | 01.08.1995   | 47.869,32                                                                              |
| 2711246         | 31.07.1995   | -47.869,32                                                                             |
| 2708476         | 02.05.1995   | 47.713,50                                                                              |
| 2708475         | 30.04.1995   | -47.713,50                                                                             |
| 5200008124      | 30.11.2008   | -47.687,57                                                                             |
| 9515468641      | 18.12.2017   | 47.497,88                                                                              |
| 2754030         | 31.05.1998   | 47.490,84                                                                              |
| 2754031         | 02.06.1998   | -47.490,84                                                                             |
| 5200003914      | 31.03.2011   | 47.473,16                                                                              |
| 9515467001      | 15.12.2017   | 47.472,48                                                                              |
| 2742124         | 31.07.1997   | 47.361,75                                                                              |
| 2742125         | 01.08.1997   | -47.361,75                                                                             |
| 2763283         | 04.01.1999   | 47.333,57                                                                              |
| 2763282         | 31.12.1998   | -47.333,57                                                                             |
| 9515455417      | 12.12.2017   | 47.283,67                                                                              |
| 2707662         | 03.04.1995   | 47.246,04                                                                              |
| 2710300         | 03.07.1995   | 47.246,04                                                                              |
| 2707661         | 31.03.1995   | -47.246,04                                                                             |
| 2710299         | 30.06.1995   | -47.246,04                                                                             |
| 5200007450      | 30.06.2002   | 47.182,73                                                                              |
| 2769274         | 01.06.1999   | 47.161,55                                                                              |
| 2769273         | 31.05.1999   | -47.161,55                                                                             |
| 2749247         | 02.02.1998   | 47.159,53                                                                              |
| 2749246         | 31.01.1998   | -47.159,53                                                                             |
| 9515429937      | 30.11.2017   | 47.137,47                                                                              |
| 5200017083      | 31.07.2012   | -47.074,40                                                                             |
| 9515216313      | 31.08.2017   | 46.982,37                                                                              |
| 2779014         | 31.01.2000   | 46.976,03                                                                              |
| 2779015         | 01.02.2000   | -46.976,03                                                                             |
| 5200012607      | 30.04.2013   | -46.930,96                                                                             |
| 9515380395      | 09.11.2017   | 46.925,44                                                                              |
| 9515462890      | 14.12.2017   | 46.911,10                                                                              |
| 2648852         | 31.10.1996   | 46.878,94                                                                              |
| 2648853         | 01.11.1996   | -46.878,94                                                                             |
| 9515401988      | 15.11.2017   | -46.870,11                                                                             |
| 9515436919      | 04.12.2017   | 46.807,72                                                                              |
| 5200029010      | 31.10.2016   | -46.786,09                                                                             |
| 5200002683      | 31.01.2013   | 46.757,04                                                                              |
| 2756512         | 31.07.1998   | 46.717,42                                                                              |
| 2756513         | 03.08.1998   | -46.717,42                                                                             |
| 5200037171      | 31.12.2001   | -46.546,06                                                                             |
| 2744427         | 30.09.1997   | 46.499,52                                                                              |
| 2744428         | 01.10.1997   | -46.499,52                                                                             |
| 9515461860      | 14.12.2017   | 46.444,80                                                                              |
| 9515366045      | 03.11.2017   | 46.420,61                                                                              |
| 9515382739      | 10.11.2017   | 46.415,57                                                                              |
| 5200013975      | 31.08.2011   | -46.332,58                                                                             |
| 9515429940      | 30.11.2017   | 46.302,21                                                                              |
| 2788350         | 02.10.2000   | 46.279,46                                                                              |
| 2788349         | 30.09.2000   | -46.279,46                                                                             |
| 2777805         | 03.01.2000   | 46.250,13                                                                              |
| 2777804         | 31.12.1999   | -46.250,13                                                                             |
| 9515391540      | 15.11.2017   | 46.235,05                                                                              |
| 2709357         | 01.06.1995   | 46.233,20                                                                              |

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| 2709356         | 31.05.1995   | -46.233,20                                                                             |
| 2620516         | 31.12.1994   | 46.216,73                                                                              |
| 2620517         | 02.01.1995   | -46.216,73                                                                             |
| 5200025483      | 31.10.2012   | -46.138,68                                                                             |
| 2765472         | 01.03.1999   | 46.128,73                                                                              |
| 2765471         | 28.02.1999   | -46.128,73                                                                             |
| 2765473         | 28.02.1999   | 46.015,17                                                                              |
| 2765474         | 01.03.1999   | -46.015,17                                                                             |
| 2761949         | 01.10.1991   | 45.915,18                                                                              |
| 2761904         | 30.09.1991   | -45.915,18                                                                             |
| 9515412348      | 23.11.2017   | 45.886,68                                                                              |
| 5200012374      | 31.07.2011   | 45.804,61                                                                              |
| 9515401988      | 15.11.2017   | -45.777,06                                                                             |
| 9515459744      | 13.12.2017   | 45.724,51                                                                              |
| 2757714         | 31.08.1998   | 45.686,15                                                                              |
| 2757715         | 01.09.1998   | -45.686,15                                                                             |
| 2705258         | 01.04.2001   | 45.685,69                                                                              |
| 2705257         | 31.03.2001   | -45.685,69                                                                             |
| 5200002314      | 31.03.2009   | -45.645,04                                                                             |
| 5200004438      | 30.06.2008   | -45.637,61                                                                             |
| 9515450531      | 08.12.2017   | 45.603,06                                                                              |
| 2709363         | 01.06.1995   | 45.557,30                                                                              |
| 2709362         | 31.05.1995   | -45.557,30                                                                             |
| 9515434650      | 01.12.2017   | 45.545,28                                                                              |
| 5200009773      | 31.03.2013   | -45.517,48                                                                             |
| 9515370895      | 07.11.2017   | 45.500,00                                                                              |
| 2788065         | 30.09.2000   | 45.456,26                                                                              |
| 2788066         | 02.10.2000   | -45.456,26                                                                             |
| 2761638         | 01.12.1998   | 45.435,49                                                                              |
| 2761637         | 30.11.1998   | -45.435,49                                                                             |
| 2787227         | 01.09.2000   | 45.419,08                                                                              |
| 2787226         | 31.08.2000   | -45.419,08                                                                             |
| 5200003740      | 31.05.2009   | -45.405,31                                                                             |
| 9515471332      | 19.12.2017   | 45.397,58                                                                              |
| 5200006113      | 31.08.2005   | 45.382,31                                                                              |
| 5200025978      | 30.09.2013   | -45.361,08                                                                             |
| 6000333039      | 28.10.2013   | 45.350,19                                                                              |
| 2500002596      | 20.12.2011   | -45.304,27                                                                             |
| 9515397952      | 16.11.2017   | 45.227,93                                                                              |
| 5200003086      | 30.04.2008   | 45.202,02                                                                              |
| 5200001819      | 31.05.2001   | 45.188,55                                                                              |
| 5200001998      | 01.06.2001   | -45.188,55                                                                             |
| 9515446154      | 07.12.2017   | 45.176,88                                                                              |
| 9515188072      | 18.08.2017   | 45.131,69                                                                              |
| 5200019887      | 31.12.2011   | -45.039,54                                                                             |
| 9515420242      | 27.11.2017   | 44.991,88                                                                              |
| 9515458200      | 13.12.2017   | 44.923,35                                                                              |
| 5200025742      | 30.09.2015   | -44.790,72                                                                             |
| 9515439169      | 05.12.2017   | 44.785,32                                                                              |
| 2783530         | 31.05.2000   | 44.725,71                                                                              |
| 2783531         | 05.06.2000   | -44.725,71                                                                             |
| 2731824         | 31.01.1997   | 44.621,17                                                                              |
| 2731825         | 03.02.1997   | -44.621,17                                                                             |
| 2767267         | 03.02.1992   | 44.559,09                                                                              |
| 2767230         | 31.01.1992   | -44.559,09                                                                             |
| 9515463945      | 14.12.2017   | 44.374,32                                                                              |
| 9515405590      | 21.11.2017   | 44.340,84                                                                              |
| 2703658         | 28.02.2001   | 44.318,28                                                                              |
| 2703659         | 01.03.2001   | -44.318,28                                                                             |
| 9515469977      | 18.12.2017   | 44.283,75                                                                              |
| 5200028532      | 31.10.2015   | -44.195,24                                                                             |

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| 2772183         | 31.07.1999   | 44.174,25                                                                              |
| 2772184         | 02.08.1999   | -44.174,25                                                                             |
| 9515463945      | 14.12.2017   | 44.150,40                                                                              |
| 9515420255      | 27.11.2017   | 44.085,13                                                                              |
| 2785727         | 31.07.2000   | 43.950,60                                                                              |
| 2785728         | 01.08.2000   | -43.950,60                                                                             |
| 9515384826      | 13.11.2017   | 43.892,00                                                                              |
| 2500002967      | 24.11.2008   | -43.877,13                                                                             |
| 9515450533      | 08.12.2017   | 43.855,19                                                                              |
| 2746806         | 01.12.1997   | 43.756,21                                                                              |
| 2746805         | 30.11.1997   | -43.756,21                                                                             |
| 5200017096      | 30.06.2015   | 43.741,90                                                                              |
| 5200008129      | 30.11.2008   | 43.697,51                                                                              |
| 9515420237      | 27.11.2017   | 43.466,77                                                                              |
| 9515349652      | 26.10.2017   | 43.464,38                                                                              |
| 5200030845      | 31.12.2014   | -43.381,06                                                                             |
| 9515464817      | 15.12.2017   | 43.331,97                                                                              |
| 2710306         | 03.07.1995   | 43.252,74                                                                              |
| 2710305         | 30.06.1995   | -43.252,74                                                                             |
| 2705783         | 01.02.1995   | 43.024,54                                                                              |
| 2705782         | 31.01.1995   | -43.024,54                                                                             |
| 5200006688      | 30.09.2008   | 43.006,52                                                                              |
| 2762894         | 31.12.1998   | 42.963,91                                                                              |
| 2762895         | 04.01.1999   | -42.963,91                                                                             |
| 9515446080      | 07.12.2017   | 42.940,70                                                                              |
| 9515302090      | 06.10.2017   | 42.862,13                                                                              |
| 9515309345      | 10.10.2017   | 42.862,13                                                                              |
| 9515466340      | 15.12.2017   | 42.850,65                                                                              |
| 9515353453      | 27.10.2017   | 42.753,50                                                                              |
| 2702549         | 31.01.2001   | 42.719,04                                                                              |
| 2702550         | 01.02.2001   | -42.719,04                                                                             |
| 9515243635      | 13.09.2017   | 42.705,38                                                                              |
| 5200011581      | 31.10.2003   | 42.640,64                                                                              |
| 9515439029      | 05.12.2017   | 42.613,47                                                                              |
| 9515471711      | 19.12.2017   | 42.612,00                                                                              |
| 9515371116      | 07.11.2017   | 42.593,47                                                                              |
| 5200015200      | 31.05.2013   | -42.570,42                                                                             |
| 2704902         | 02.01.1995   | 42.552,05                                                                              |
| 2704901         | 31.12.1994   | -42.552,05                                                                             |
| 5200019743      | 31.07.2015   | 42.534,74                                                                              |
| 5200007567      | 30.11.2007   | -42.520,16                                                                             |
| 2760300         | 02.11.1998   | 42.477,39                                                                              |
| 2760299         | 31.10.1998   | -42.477,39                                                                             |
| 2783493         | 05.06.2000   | 42.318,35                                                                              |
| 2783492         | 31.05.2000   | -42.318,35                                                                             |
| 2728240         | 01.11.1996   | 42.222,22                                                                              |
| 2728239         | 31.10.1996   | -42.222,22                                                                             |
| 9515480271      | 27.12.2017   | 42.191,32                                                                              |
| 2787079         | 02.08.1993   | 42.062,22                                                                              |
| 2787078         | 31.07.1993   | -42.062,22                                                                             |
| 2731827         | 03.02.1997   | 42.035,69                                                                              |
| 2731826         | 31.01.1997   | -42.035,69                                                                             |
| 9515401919      | 20.11.2017   | 42.022,87                                                                              |
| 9515403472      | 20.11.2017   | 42.013,07                                                                              |
| 5200001567      | 28.02.2009   | 41.958,94                                                                              |
| 9515479650      | 22.12.2017   | 41.921,28                                                                              |
| 9515371443      | 07.11.2017   | 41.886,72                                                                              |
| 9515399383      | 17.11.2017   | 41.880,00                                                                              |
| 9515473041      | 19.12.2017   | 41.792,80                                                                              |
| 2766929         | 01.04.1999   | 41.778,81                                                                              |
| 2766928         | 31.03.1999   | -41.778,81                                                                             |

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| 9515357305      | 30.10.2017   | 41.700,00                                                                              |
| 9515363882      | 02.11.2017   | 41.689,34                                                                              |
| 9515252999      | 18.09.2017   | 41.660,00                                                                              |
| 9515284845      | 29.09.2017   | 41.551,55                                                                              |
| 9515319373      | 13.10.2017   | 41.292,98                                                                              |
| 9515366056      | 03.11.2017   | 41.255,18                                                                              |
| 9515374192      | 08.11.2017   | 41.104,88                                                                              |
| 5200003036      | 30.04.2009   | -41.043,09                                                                             |
| 2714047         | 01.11.1995   | 41.013,19                                                                              |
| 2714046         | 31.10.1995   | -41.013,19                                                                             |
| 5200006613      | 30.09.2009   | 40.993,09                                                                              |
| 9515386366      | 13.11.2017   | 40.990,62                                                                              |
| 5000001826      | 31.12.2015   | -40.906,54                                                                             |
| 5200003706      | 29.02.2012   | -40.854,70                                                                             |
| 2789197         | 31.10.2000   | 40.780,18                                                                              |
| 2789198         | 01.11.2000   | -40.780,18                                                                             |
| 2756508         | 31.07.1998   | 40.741,86                                                                              |
| 2756509         | 03.08.1998   | -40.741,86                                                                             |
| 5200002938      | 30.04.2010   | 40.694,35                                                                              |
| 6000326951      | 22.10.2013   | 40.684,76                                                                              |
| 2722306         | 03.06.1996   | 40.628,32                                                                              |
| 2722305         | 31.05.1996   | -40.628,32                                                                             |
| 2703166         | 01.11.1994   | 40.577,03                                                                              |
| 2703165         | 31.10.1994   | -40.577,03                                                                             |
| 2723426         | 01.07.1996   | 40.551,57                                                                              |
| 2723425         | 30.06.1996   | -40.551,57                                                                             |
| 9515387764      | 13.11.2017   | 40.549,17                                                                              |
| 5200008640      | 31.12.2008   | -40.519,81                                                                             |
| 2756504         | 31.07.1998   | 40.427,01                                                                              |
| 2756505         | 03.08.1998   | -40.427,01                                                                             |
| 9515465052      | 15.12.2017   | 40.329,30                                                                              |
| 5200001529      | 28.02.2010   | -40.310,92                                                                             |
| 9515451363      | 08.12.2017   | 40.170,00                                                                              |
| 2701414         | 01.01.2001   | 40.071,05                                                                              |
| 2701413         | 31.12.2000   | -40.071,05                                                                             |
| 5200005224      | 31.07.2009   | 40.060,88                                                                              |
| 9515406998      | 21.11.2017   | 40.056,72                                                                              |
| 9515440674      | 05.12.2017   | 40.040,72                                                                              |
| 2725910         | 02.09.1996   | 40.023,67                                                                              |
| 2725909         | 31.08.1996   | -40.023,67                                                                             |
| 9515418795      | 27.11.2017   | 39.932,05                                                                              |
| 2713173         | 02.10.1995   | 39.922,45                                                                              |
| 2713172         | 30.09.1995   | -39.922,45                                                                             |
| 5200030745      | 31.12.2012   | -39.880,13                                                                             |
| 5200006685      | 30.09.2008   | 39.774,75                                                                              |
| 2770574         | 01.07.1999   | 39.661,82                                                                              |
| 2770573         | 30.06.1999   | -39.661,82                                                                             |
| 5200019765      | 31.08.2012   | -39.471,28                                                                             |
| 2745609         | 03.11.1997   | 39.263,22                                                                              |
| 2745608         | 31.10.1997   | -39.263,22                                                                             |
| 2729454         | 02.12.1996   | 39.184,24                                                                              |
| 2729453         | 30.11.1996   | -39.184,24                                                                             |
| 5200017826      | 31.07.2014   | 39.084,89                                                                              |
| 9515228405      | 06.09.2017   | -39.081,97                                                                             |
| 5200009770      | 31.03.2013   | 39.077,31                                                                              |
| 2728261         | 31.10.1996   | 39.035,75                                                                              |
| 2728262         | 01.11.1996   | -39.035,75                                                                             |
| 5200003738      | 31.05.2008   | 39.016,11                                                                              |
| 5200006824      | 31.10.2010   | -38.922,84                                                                             |
| 9515439175      | 05.12.2017   | 38.866,44                                                                              |
| 9515370359      | 06.11.2017   | 38.851,59                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.



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| 9515440689      | 05.12.2017   | 38.803,03                                                                              |
| 9515465009      | 15.12.2017   | 38.747,63                                                                              |
| 2750469         | 28.02.1998   | 38.716,42                                                                              |
| 2750470         | 02.03.1998   | -38.716,42                                                                             |
| 9515413085      | 23.11.2017   | 38.658,00                                                                              |
| 5200000153      | 30.04.2001   | 38.635,31                                                                              |
| 5200000326      | 01.05.2001   | -38.635,31                                                                             |
| 2668220         | 01.06.1993   | 38.634,88                                                                              |
| 2668219         | 31.05.1993   | -38.634,88                                                                             |
| 9515478503      | 22.12.2017   | 38.624,40                                                                              |
| 5200006607      | 30.09.2009   | 38.524,48                                                                              |
| 9515412557      | 23.11.2017   | 38.499,99                                                                              |
| 5200002575      | 31.03.2005   | -38.481,42                                                                             |
| 2704865         | 31.03.2001   | 38.481,34                                                                              |
| 2704866         | 01.04.2001   | -38.481,34                                                                             |
| 5200001573      | 29.02.2008   | 38.462,55                                                                              |
| 5200000757      | 31.01.2011   | -38.399,86                                                                             |
| 2778082         | 31.12.1999   | 38.352,31                                                                              |
| 2778083         | 03.01.2000   | -38.352,31                                                                             |
| 9515440672      | 05.12.2017   | 38.286,09                                                                              |
| 2765479         | 28.02.1999   | 38.261,86                                                                              |
| 2765480         | 01.03.1999   | -38.261,86                                                                             |
| 9515461870      | 14.12.2017   | 38.255,00                                                                              |
| 2784854         | 02.11.1992   | 38.193,30                                                                              |
| 2784811         | 31.10.1992   | -38.193,30                                                                             |
| 5200019750      | 31.07.2015   | -38.149,25                                                                             |
| 2724687         | 01.08.1996   | 38.043,75                                                                              |
| 2724686         | 31.07.1996   | -38.043,75                                                                             |
| 2775831         | 01.11.1999   | 37.976,33                                                                              |
| 2775830         | 31.10.1999   | -37.976,33                                                                             |
| 9515418724      | 27.11.2017   | 37.969,39                                                                              |
| 5200007594      | 30.06.2002   | -37.965,00                                                                             |
| 9515422082      | 28.11.2017   | 37.957,92                                                                              |
| 5200003603      | 29.02.2012   | 37.903,70                                                                              |
| 5200003442      | 31.05.2007   | 37.887,35                                                                              |
| 9514410383      | 09.09.2016   | 37.881,97                                                                              |
| 9515466345      | 15.12.2017   | 37.851,28                                                                              |
| 2766900         | 31.03.1999   | 37.847,04                                                                              |
| 2766901         | 01.04.1999   | -37.847,04                                                                             |
| 2759184         | 01.08.1991   | 37.825,64                                                                              |
| 2759149         | 31.07.1991   | -37.825,64                                                                             |
| 9515407108      | 21.11.2017   | 37.780,05                                                                              |
| 9515465062      | 15.12.2017   | 37.766,00                                                                              |
| 6000018172      | 20.01.2009   | 37.707,99                                                                              |
| 2730541         | 02.01.1997   | 37.637,71                                                                              |
| 2730540         | 31.12.1996   | -37.637,71                                                                             |
| 2704039         | 01.03.2001   | 37.448,63                                                                              |
| 2704038         | 28.02.2001   | -37.448,63                                                                             |
| 5200001580      | 28.02.2009   | -37.401,66                                                                             |
| 5200010254      | 30.09.2003   | -37.283,84                                                                             |
| 9515351989      | 26.10.2017   | 37.282,08                                                                              |
| 9515390885      | 14.11.2017   | 37.282,08                                                                              |
| 5200000918      | 31.01.2009   | 37.228,99                                                                              |
| 2737511         | 01.04.1997   | 37.228,18                                                                              |
| 2737510         | 31.03.1997   | -37.228,18                                                                             |
| 9515338959      | 23.10.2017   | 37.217,13                                                                              |
| 5200006788      | 31.05.2002   | 37.147,35                                                                              |
| 9515420248      | 27.11.2017   | 37.145,87                                                                              |
| 9515387551      | 13.11.2017   | 37.120,00                                                                              |
| 5200028720      | 31.10.2013   | -37.063,61                                                                             |
| 5200012614      | 30.04.2013   | 37.057,73                                                                              |

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| 2724721         | 01.08.1996   | 37.048,53                                                                              |
| 2724720         | 31.07.1996   | -37.048,53                                                                             |
| 9515467839      | 18.12.2017   | 37.047,59                                                                              |
| 9515471791      | 19.12.2017   | -37.033,61                                                                             |
| 2716727         | 31.12.1995   | 37.030,95                                                                              |
| 2715985         | 02.01.1996   | 37.030,95                                                                              |
| 2717077         | 02.01.1996   | 37.030,95                                                                              |
| 2715984         | 31.12.1995   | -37.030,95                                                                             |
| 2717076         | 31.12.1995   | -37.030,95                                                                             |
| 2716728         | 02.01.1996   | -37.030,95                                                                             |
| 5200002219      | 30.06.2001   | 37.028,94                                                                              |
| 5200002406      | 01.07.2001   | -37.028,94                                                                             |
| 9515398850      | 17.11.2017   | 36.921,88                                                                              |
| 2757706         | 31.08.1998   | 36.899,96                                                                              |
| 2757707         | 01.09.1998   | -36.899,96                                                                             |
| 2702922         | 01.02.2001   | 36.893,98                                                                              |
| 2702921         | 31.01.2001   | -36.893,98                                                                             |
| 9515478594      | 22.12.2017   | 36.870,15                                                                              |
| 9515467003      | 15.12.2017   | 36.806,40                                                                              |
| 2500002426      | 14.05.2004   | 36.751,30                                                                              |
| 5200001828      | 31.05.2001   | 36.725,05                                                                              |
| 5200002007      | 01.06.2001   | -36.725,05                                                                             |
| 9515459875      | 13.12.2017   | 36.718,40                                                                              |
| 2731803         | 03.02.1997   | 36.666,43                                                                              |
| 2731802         | 31.01.1997   | -36.666,43                                                                             |
| 9515366887      | 03.11.2017   | 36.662,40                                                                              |
| 5200014807      | 30.06.2014   | -36.574,30                                                                             |
| 5200020532      | 31.08.2014   | 36.549,17                                                                              |
| 6000362061      | 17.10.2008   | 36.506,01                                                                              |
| 9515481645      | 28.12.2017   | 36.430,43                                                                              |
| 2784591         | 30.06.2000   | 36.392,79                                                                              |
| 2784592         | 03.07.2000   | -36.392,79                                                                             |
| 2715107         | 01.12.1995   | 36.369,85                                                                              |
| 2715106         | 30.11.1995   | -36.369,85                                                                             |
| 2739651         | 31.05.1997   | 36.356,24                                                                              |
| 2739652         | 02.06.1997   | -36.356,24                                                                             |
| 5200001887      | 31.01.2012   | -36.296,98                                                                             |
| 9515458367      | 13.12.2017   | 36.279,54                                                                              |
| 2500004871      | 22.10.2002   | 36.273,08                                                                              |
| 9515384826      | 13.11.2017   | 36.258,69                                                                              |
| 2700388         | 01.06.1994   | 36.217,42                                                                              |
| 2700387         | 31.05.1994   | -36.217,42                                                                             |
| 2770581         | 30.06.1999   | 36.123,20                                                                              |
| 2770582         | 01.07.1999   | -36.123,20                                                                             |
| 9515371116      | 07.11.2017   | 36.109,54                                                                              |
| 5200006830      | 31.10.2010   | 36.105,35                                                                              |
| 9515265597      | 22.09.2017   | 36.054,70                                                                              |
| 9515312862      | 11.10.2017   | 36.054,70                                                                              |
| 9515405313      | 21.11.2017   | 36.054,70                                                                              |
| 9515415666      | 24.11.2017   | 36.054,70                                                                              |
| 9515455646      | 12.12.2017   | 36.054,70                                                                              |
| 9515473029      | 19.12.2017   | 35.994,00                                                                              |
| 2782595         | 02.05.2000   | 35.983,78                                                                              |
| 2782594         | 30.04.2000   | -35.983,78                                                                             |
| 5000002229      | 31.12.2017   | 35.918,07                                                                              |
| 9515466344      | 15.12.2017   | 35.859,10                                                                              |
| 9515443887      | 06.12.2017   | 35.705,31                                                                              |
| 9515389726      | 14.11.2017   | 35.677,54                                                                              |
| 2765464         | 01.03.1999   | 35.657,63                                                                              |
| 2765463         | 28.02.1999   | -35.657,63                                                                             |
| 9515356510      | 30.10.2017   | 35.648,64                                                                              |

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| 9515412495      | 23.11.2017   | 35.622,00                                                                              |
| 9515458408      | 13.12.2017   | 35.622,00                                                                              |
| 5000002229      | 31.12.2017   | 35.611,10                                                                              |
| 9513848956      | 15.12.2015   | 35.584,00                                                                              |
| 2717667         | 31.01.1996   | 35.545,83                                                                              |
| 2717668         | 01.02.1996   | -35.545,83                                                                             |
| 6000110235      | 13.04.2015   | -35.509,70                                                                             |
| 5200019775      | 31.08.2012   | 35.491,16                                                                              |
| 5200000818      | 31.01.2008   | -35.391,08                                                                             |
| 9515439177      | 05.12.2017   | 35.370,00                                                                              |
| 2789177         | 31.10.2000   | 35.332,91                                                                              |
| 2789178         | 01.11.2000   | -35.332,91                                                                             |
| 9515312830      | 11.10.2017   | 35.272,00                                                                              |
| 9515478695      | 22.12.2017   | 35.266,19                                                                              |
| 2730526         | 31.12.1996   | 35.257,99                                                                              |
| 2730527         | 02.01.1997   | -35.257,99                                                                             |
| 5200005527      | 31.08.2010   | 35.234,50                                                                              |
| 9515472522      | 19.12.2017   | 35.228,17                                                                              |
| 5200000764      | 31.01.2007   | -35.227,51                                                                             |
| 9515448851      | 08.12.2017   | 35.188,54                                                                              |
| 5200036635      | 01.12.2001   | 35.146,20                                                                              |
| 5200036451      | 30.11.2001   | -35.146,20                                                                             |
| 5200020677      | 31.07.2013   | -35.138,08                                                                             |
| 9515303029      | 06.10.2017   | 35.129,50                                                                              |
| 9515370946      | 07.11.2017   | 35.098,80                                                                              |
| 5200007842      | 31.12.2010   | -35.074,62                                                                             |
| 2702463         | 04.10.1994   | 35.027,78                                                                              |
| 2702462         | 30.09.1994   | -35.027,78                                                                             |
| 9515436920      | 04.12.2017   | 34.989,02                                                                              |
| 2756701         | 01.06.1991   | 34.933,66                                                                              |
| 2756670         | 31.05.1991   | -34.933,66                                                                             |
| 9515047566      | 19.06.2017   | 34.905,80                                                                              |
| 6000402218      | 18.11.2008   | 34.903,52                                                                              |
| 5200002077      | 31.03.2007   | -34.896,35                                                                             |
| 9515457470      | 12.12.2017   | 34.861,40                                                                              |
| 2759018         | 01.10.1998   | 34.822,20                                                                              |
| 2759017         | 30.09.1998   | -34.822,20                                                                             |
| 9515446154      | 07.12.2017   | 34.798,97                                                                              |
| 5200007892      | 31.03.2016   | -34.769,13                                                                             |
| 9515359019      | 01.11.2017   | 34.759,44                                                                              |
| 2500004575      | 30.09.2002   | -34.710,08                                                                             |
| 2775839         | 01.11.1999   | 34.709,98                                                                              |
| 2775838         | 31.10.1999   | -34.709,98                                                                             |
| 5200014326      | 31.05.2015   | -34.615,31                                                                             |
| 9515471186      | 19.12.2017   | 34.558,85                                                                              |
| 2700396         | 30.11.2000   | 34.541,25                                                                              |
| 2700397         | 01.12.2000   | -34.541,25                                                                             |
| 9514635634      | 16.12.2016   | 34.528,23                                                                              |
| 6000011377      | 11.01.2008   | 34.479,48                                                                              |
| 9515185017      | 17.08.2017   | 34.345,62                                                                              |
| 9515393293      | 15.11.2017   | 34.266,85                                                                              |
| 5000000814      | 30.06.2016   | 34.266,20                                                                              |
| 2781334         | 03.04.2000   | 34.237,80                                                                              |
| 2781333         | 31.03.2000   | -34.237,80                                                                             |
| 5200003975      | 29.02.2016   | 34.232,35                                                                              |
| 9515465005      | 15.12.2017   | 34.215,35                                                                              |
| 9515274460      | 26.09.2017   | 34.200,00                                                                              |
| 2736357         | 03.03.1997   | 34.165,85                                                                              |
| 2736356         | 28.02.1997   | -34.165,85                                                                             |
| 5200012611      | 30.04.2013   | -34.067,04                                                                             |
| 2786026         | 01.08.2000   | 34.047,63                                                                              |

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| 2786025         | 31.07.2000   | -34.047,63                                                                             |
| 9515365966      | 03.11.2017   | 34.016,29                                                                              |
| 2782277         | 02.05.2000   | 33.901,50                                                                              |
| 2782276         | 30.04.2000   | -33.901,50                                                                             |
| 9515415584      | 24.11.2017   | 33.885,32                                                                              |
| 9515463110      | 14.12.2017   | 33.875,14                                                                              |
| 2768726         | 03.03.1992   | 33.803,96                                                                              |
| 2768694         | 29.02.1992   | -33.803,96                                                                             |
| 5200000768      | 31.01.2011   | 33.741,03                                                                              |
| 2755591         | 01.05.1991   | 33.701,35                                                                              |
| 9515435467      | 04.12.2017   | 33.657,60                                                                              |
| 5200008048      | 30.11.2009   | -33.629,52                                                                             |
| 5200003085      | 30.04.2008   | 33.604,64                                                                              |
| 6000240349      | 22.07.2010   | -33.601,62                                                                             |
| 2764352         | 01.02.1999   | 33.600,39                                                                              |
| 2764351         | 31.01.1999   | -33.600,39                                                                             |
| 5200041867      | 31.12.2017   | 33.565,68                                                                              |
| 5200041868      | 31.12.2017   | -33.565,68                                                                             |
| 9515366059      | 03.11.2017   | 33.522,18                                                                              |
| 2770087         | 01.04.1992   | 33.459,79                                                                              |
| 2770050         | 31.03.1992   | -33.459,79                                                                             |
| 9515436923      | 04.12.2017   | 33.454,07                                                                              |
| 9515465076      | 15.12.2017   | 33.430,00                                                                              |
| 2737487         | 01.04.1997   | 33.371,83                                                                              |
| 2737486         | 31.03.1997   | -33.371,83                                                                             |
| 9515448682      | 08.12.2017   | 33.330,00                                                                              |
| 2765469         | 28.02.1999   | 33.294,96                                                                              |
| 2765470         | 01.03.1999   | -33.294,96                                                                             |
| 9515432288      | 01.12.2017   | 33.288,02                                                                              |
| 9515371713      | 07.11.2017   | 33.279,50                                                                              |
| 9515423875      | 28.11.2017   | 33.261,72                                                                              |
| 9515353153      | 27.10.2017   | 33.243,07                                                                              |
| 2763997         | 31.01.1999   | 33.235,44                                                                              |
| 2763998         | 01.02.1999   | -33.235,44                                                                             |
| 9515456760      | 12.12.2017   | 33.232,41                                                                              |
| 4000376345      | 11.12.2017   | -33.208,72                                                                             |
| 5200003748      | 31.05.2008   | 33.022,93                                                                              |
| 9515438754      | 05.12.2017   | 32.992,62                                                                              |
| 2701722         | 01.01.2001   | 32.969,77                                                                              |
| 2701721         | 31.12.2000   | -32.969,77                                                                             |
| 9515371327      | 07.11.2017   | 32.964,40                                                                              |
| 9515408754      | 22.11.2017   | 32.912,35                                                                              |
| 5200001032      | 31.01.2014   | 32.910,13                                                                              |
| 9515047563      | 19.06.2017   | 32.905,89                                                                              |
| 9515367917      | 06.11.2017   | 32.887,27                                                                              |
| 9515367932      | 06.11.2017   | 32.887,27                                                                              |
| 9515415523      | 24.11.2017   | 32.887,27                                                                              |
| 5000002229      | 31.12.2017   | 32.866,41                                                                              |
| 5000001525      | 30.09.2017   | 32.806,82                                                                              |
| 5000001942      | 31.12.2017   | 32.806,82                                                                              |
| 5000001521      | 30.09.2017   | -32.806,82                                                                             |
| 5000001943      | 31.12.2017   | -32.806,82                                                                             |
| 9515423875      | 28.11.2017   | 32.752,20                                                                              |
| 2766923         | 01.04.1999   | 32.725,91                                                                              |
| 2766922         | 31.03.1999   | -32.725,91                                                                             |
| 6000020935      | 21.01.2009   | 32.690,15                                                                              |
| 5200025988      | 30.09.2013   | 32.624,06                                                                              |
| 9515315804      | 12.10.2017   | 32.535,95                                                                              |
| 2721178         | 02.05.1996   | 32.524,91                                                                              |
| 2721177         | 30.04.1996   | -32.524,91                                                                             |
| 2731844         | 31.01.1997   | 32.490,06                                                                              |

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2731845         | 03.02.1997   | -32.490,06                                                                             |
| 9515226885      | 06.09.2017   | 32.486,00                                                                              |
| 2772178         | 02.08.1999   | 32.439,39                                                                              |
| 2772177         | 31.07.1999   | -32.439,39                                                                             |
| 9515415724      | 24.11.2017   | 32.418,08                                                                              |
| 5200014281      | 30.06.2012   | -32.369,95                                                                             |
| 2700376         | 30.11.2000   | 32.345,16                                                                              |
| 2700377         | 01.12.2000   | -32.345,16                                                                             |
| 9515301994      | 06.10.2017   | 32.339,45                                                                              |
| 5200003100      | 30.04.2008   | -32.331,31                                                                             |
| 2730525         | 02.01.1997   | 32.304,91                                                                              |
| 2730524         | 31.12.1996   | -32.304,91                                                                             |
| 2760285         | 31.10.1998   | 32.296,79                                                                              |
| 2760286         | 02.11.1998   | -32.296,79                                                                             |
| 6000275504      | 08.08.2008   | -32.286,40                                                                             |
| 9515361383      | 02.11.2017   | 32.279,06                                                                              |
| 2786824         | 01.07.1993   | 32.256,25                                                                              |
| 2786823         | 30.06.1993   | -32.256,25                                                                             |
| 2500000488      | 30.06.2015   | 32.153,33                                                                              |
| 9515361802      | 02.11.2017   | 32.130,00                                                                              |
| 9515377988      | 09.11.2017   | 32.130,00                                                                              |
| 9515464757      | 15.12.2017   | 32.130,00                                                                              |
| 9515422526      | 28.11.2017   | 32.112,21                                                                              |
| 5200005722      | 31.05.2003   | -32.074,63                                                                             |
| 9515429938      | 30.11.2017   | 32.050,84                                                                              |
| 9515386371      | 13.11.2017   | 32.015,93                                                                              |
| 5200017834      | 31.07.2014   | -31.984,97                                                                             |
| 9515457478      | 12.12.2017   | 31.960,80                                                                              |
| 2783831         | 05.06.2000   | 31.927,77                                                                              |
| 2783830         | 31.05.2000   | -31.927,77                                                                             |
| 5200001714      | 01.02.2002   | 31.897,51                                                                              |
| 5200001551      | 31.01.2002   | -31.897,51                                                                             |
| 9515078770      | 30.06.2017   | 31.842,85                                                                              |
| 2788456         | 03.01.1994   | 31.822,39                                                                              |
| 2788455         | 31.12.1993   | -31.822,39                                                                             |
| 2761639         | 30.11.1998   | 31.724,29                                                                              |
| 2761640         | 01.12.1998   | -31.724,29                                                                             |
| 9515455193      | 12.12.2017   | 31.691,59                                                                              |
| 6000326990      | 30.09.2010   | -31.662,95                                                                             |
| 2706436         | 01.03.1995   | 31.595,24                                                                              |
| 2706435         | 28.02.1995   | -31.595,24                                                                             |
| 2500002396      | 26.11.2012   | 31.351,14                                                                              |
| 5200001850      | 31.01.2012   | 31.302,36                                                                              |
| 2712240         | 01.09.1995   | 31.301,42                                                                              |
| 2712239         | 31.08.1995   | -31.301,42                                                                             |
| 5200007850      | 31.12.2010   | 31.214,79                                                                              |
| 2777799         | 03.01.2000   | 31.159,42                                                                              |
| 2777798         | 31.12.1999   | -31.159,42                                                                             |
| 9515450530      | 08.12.2017   | 31.123,14                                                                              |
| 9515468115      | 18.12.2017   | 31.101,76                                                                              |
| 2757710         | 31.08.1998   | 31.098,75                                                                              |
| 2757711         | 01.09.1998   | -31.098,75                                                                             |
| 9515422197      | 28.11.2017   | 31.091,33                                                                              |
| 9515352914      | 27.10.2017   | 31.068,13                                                                              |
| 9515407110      | 21.11.2017   | 31.023,73                                                                              |
| 9515417042      | 24.11.2017   | 31.023,73                                                                              |
| 9515417043      | 24.11.2017   | 31.023,73                                                                              |
| 5200001581      | 28.02.2009   | -31.001,59                                                                             |
| 2768732         | 03.03.1992   | 30.931,47                                                                              |
| 2768700         | 29.02.1992   | -30.931,47                                                                             |
| 9515391605      | 15.11.2017   | 30.913,01                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200041871      | 31.12.2017   | 30.887,90                                                                              |
| 5200041872      | 31.12.2017   | -30.887,90                                                                             |
| 9515481854      | 28.12.2017   | 30.861,76                                                                              |
| 5200003745      | 31.05.2009   | 30.829,43                                                                              |
| 5200012769      | 31.10.2002   | -30.771,96                                                                             |
| 6000271241      | 05.08.2008   | -30.767,30                                                                             |
| 9515192859      | 21.08.2017   | 30.764,32                                                                              |
| 2774424         | 01.09.1999   | 30.752,93                                                                              |
| 2775266         | 01.10.1999   | -30.752,93                                                                             |
| 2787594         | 01.10.1993   | 30.700,11                                                                              |
| 2787593         | 30.09.1993   | -30.700,11                                                                             |
| 9515398700      | 17.11.2017   | 30.623,56                                                                              |
| 9515432495      | 01.12.2017   | 30.612,50                                                                              |
| 9515383814      | 10.11.2017   | 30.597,12                                                                              |
| 5200004455      | 30.06.2008   | 30.585,11                                                                              |
| 9515429937      | 30.11.2017   | 30.580,50                                                                              |
| 9515322430      | 16.10.2017   | 30.571,59                                                                              |
| 9515405368      | 21.11.2017   | 30.554,23                                                                              |
| 9515414944      | 23.11.2017   | 30.543,50                                                                              |
| 5200000919      | 31.01.2009   | 30.486,31                                                                              |
| 2723427         | 30.06.1996   | 30.480,43                                                                              |
| 2723428         | 01.07.1996   | -30.480,43                                                                             |
| 9515476132      | 21.12.2017   | 30.458,79                                                                              |
| 5200003589      | 31.05.2010   | 30.434,64                                                                              |
| 9515343789      | 24.10.2017   | 30.362,72                                                                              |
| 6000456651      | 30.12.2008   | -30.330,63                                                                             |
| 9515273519      | 26.09.2017   | 30.313,25                                                                              |
| 2740884         | 30.06.1997   | 30.305,79                                                                              |
| 2740885         | 01.07.1997   | -30.305,79                                                                             |
| 2500000244      | 11.02.2013   | 30.294,54                                                                              |
| 9515436921      | 04.12.2017   | 30.266,17                                                                              |
| 9515366048      | 03.11.2017   | 30.232,07                                                                              |
| 2784857         | 02.11.1992   | 30.174,03                                                                              |
| 2784814         | 31.10.1992   | -30.174,03                                                                             |
| 2759013         | 30.09.1998   | 30.162,44                                                                              |
| 2759014         | 01.10.1998   | -30.162,44                                                                             |
| 5200007563      | 30.11.2007   | -30.102,66                                                                             |
| 5100126551      | 31.12.2015   | 30.083,34                                                                              |
| 9515406040      | 21.11.2017   | 30.079,32                                                                              |
| 6000274257      | 13.08.2010   | -30.066,60                                                                             |
| 9513253247      | 25.03.2015   | -30.050,00                                                                             |
| 6000381386      | 05.12.2013   | 29.976,22                                                                              |
| 9515456597      | 12.12.2017   | 29.775,85                                                                              |
| 9515359019      | 01.11.2017   | 29.707,42                                                                              |
| 2720025         | 31.03.1996   | 29.703,98                                                                              |
| 2720026         | 01.04.1996   | -29.703,98                                                                             |
| 9515464854      | 15.12.2017   | 29.691,61                                                                              |
| 5200001039      | 31.01.2014   | -29.680,90                                                                             |
| 6000187556      | 11.06.2010   | -29.674,47                                                                             |
| 9515472132      | 19.12.2017   | 29.640,00                                                                              |
| 9515425280      | 29.11.2017   | 29.637,10                                                                              |
| 5200004061      | 31.05.2005   | 29.519,86                                                                              |
| 9515466347      | 15.12.2017   | 29.484,94                                                                              |
| 9515230682      | 07.09.2017   | 29.480,14                                                                              |
| 9515401919      | 20.11.2017   | 29.479,56                                                                              |
| 9515377998      | 09.11.2017   | 29.402,00                                                                              |
| 9515445471      | 07.12.2017   | 29.402,00                                                                              |
| 2775846         | 31.10.1999   | 29.290,72                                                                              |
| 2775847         | 01.11.1999   | -29.290,72                                                                             |
| 5200003909      | 31.07.2001   | 29.258,75                                                                              |
| 5200004063      | 01.08.2001   | -29.258,75                                                                             |

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| 9515479251      | 22.12.2017   | 29.236,37                                                                              |
| 9515447211      | 07.12.2017   | 29.205,34                                                                              |
| 9515436922      | 04.12.2017   | 29.136,56                                                                              |
| 5200017047      | 31.05.2017   | -29.098,76                                                                             |
| 5200020539      | 31.08.2014   | -29.078,34                                                                             |
| 9515405823      | 21.11.2017   | 29.018,48                                                                              |
| 9515364069      | 02.11.2017   | 28.999,34                                                                              |
| 2789203         | 31.10.2000   | 28.995,34                                                                              |
| 2789204         | 01.11.2000   | -28.995,34                                                                             |
| 2739680         | 02.06.1997   | 28.932,46                                                                              |
| 2739679         | 31.05.1997   | -28.932,46                                                                             |
| 5200011920      | 31.05.2014   | 28.904,83                                                                              |
| 5200001791      | 28.02.2005   | 28.904,06                                                                              |
| 2500003676      | 15.08.2002   | 28.870,46                                                                              |
| 5200014292      | 30.06.2012   | 28.859,14                                                                              |
| 5200031363      | 30.11.2015   | 28.851,03                                                                              |
| 9515450530      | 08.12.2017   | 28.741,24                                                                              |
| 9515185017      | 17.08.2017   | 28.729,52                                                                              |
| 9515468082      | 18.12.2017   | 28.691,74                                                                              |
| 9515366053      | 03.11.2017   | 28.650,34                                                                              |
| 2728260         | 01.11.1996   | 28.648,25                                                                              |
| 2728259         | 31.10.1996   | -28.648,25                                                                             |
| 5200007451      | 31.10.2005   | -28.647,29                                                                             |
| 9515463945      | 14.12.2017   | 28.646,10                                                                              |
| 9511448252      | 16.04.2013   | 28.640,75                                                                              |
| 2715113         | 01.12.1995   | 28.631,95                                                                              |
| 2715112         | 30.11.1995   | -28.631,95                                                                             |
| 9515185017      | 17.08.2017   | 28.595,01                                                                              |
| 5200014696      | 31.12.2002   | -28.527,74                                                                             |
| 9515364094      | 02.11.2017   | 28.510,36                                                                              |
| 9515478775      | 22.12.2017   | 28.500,00                                                                              |
| 5200004743      | 31.07.2006   | 28.485,44                                                                              |
| 9515467955      | 18.12.2017   | 28.478,00                                                                              |
| 9515467839      | 18.12.2017   | 28.474,99                                                                              |
| 9515443871      | 06.12.2017   | 28.463,38                                                                              |
| 5200003985      | 28.02.2015   | 28.385,79                                                                              |
| 9515396766      | 16.11.2017   | 28.320,32                                                                              |
| 5200010017      | 01.11.2001   | 28.296,17                                                                              |
| 5200009665      | 31.10.2001   | -28.296,17                                                                             |
| 9515461777      | 14.12.2017   | 28.249,20                                                                              |
| 9515369360      | 06.11.2017   | 28.159,90                                                                              |
| 6000147716      | 17.07.2002   | 28.085,52                                                                              |
| 2729485         | 30.11.1996   | 28.068,48                                                                              |
| 2729486         | 02.12.1996   | -28.068,48                                                                             |
| 2784890         | 03.07.2000   | 27.999,83                                                                              |
| 2784889         | 30.06.2000   | -27.999,83                                                                             |
| 5200006665      | 31.10.2006   | -27.982,71                                                                             |
| 9515468126      | 18.12.2017   | 27.980,40                                                                              |
| 9515412348      | 23.11.2017   | 27.934,70                                                                              |
| 5200006902      | 31.10.2007   | 27.933,26                                                                              |
| 9515407105      | 21.11.2017   | 27.928,13                                                                              |
| 9515466348      | 15.12.2017   | 27.928,13                                                                              |
| 2749258         | 31.01.1998   | 27.871,42                                                                              |
| 2749259         | 02.02.1998   | -27.871,42                                                                             |
| 5200004150      | 30.06.2009   | 27.828,94                                                                              |
| 2772182         | 02.08.1999   | 27.789,71                                                                              |
| 2772181         | 31.07.1999   | -27.789,71                                                                             |
| 9515419092      | 27.11.2017   | 27.783,84                                                                              |
| 5200006677      | 30.09.2008   | 27.761,79                                                                              |
| 2788037         | 30.09.2000   | 27.726,72                                                                              |
| 2788038         | 02.10.2000   | -27.726,72                                                                             |

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| 9515410554      | 22.11.2017   | 27.716,41                                                                              |
| 5200007505      | 30.11.2010   | 27.668,68                                                                              |
| 6000030683      | 14.02.2003   | 27.634,93                                                                              |
| 5200028728      | 31.10.2013   | 27.623,20                                                                              |
| 2702579         | 31.01.2001   | 27.614,51                                                                              |
| 2702580         | 01.02.2001   | -27.614,51                                                                             |
| 9515383812      | 10.11.2017   | 27.566,88                                                                              |
| 9515429141      | 30.11.2017   | 27.560,00                                                                              |
| 2646301         | 02.09.1996   | 27.538,57                                                                              |
| 2646300         | 31.08.1996   | -27.538,57                                                                             |
| 5200002229      | 31.03.2010   | 27.512,95                                                                              |
| 2704879         | 31.03.2001   | 27.510,25                                                                              |
| 2704880         | 01.04.2001   | -27.510,25                                                                             |
| 9515442135      | 06.12.2017   | 27.496,27                                                                              |
| 9515366054      | 03.11.2017   | 27.489,35                                                                              |
| 5200007453      | 31.10.2005   | 27.442,87                                                                              |
| 5200002749      | 30.04.2006   | 27.393,83                                                                              |
| 5200000155      | 30.04.2001   | 27.359,30                                                                              |
| 5200000328      | 01.05.2001   | -27.359,30                                                                             |
| 9515370876      | 07.11.2017   | 27.356,55                                                                              |
| 6000147005      | 16.07.2002   | 27.319,78                                                                              |
| 5200004741      | 31.07.2006   | -27.198,71                                                                             |
| 5200003581      | 31.05.2010   | 27.192,88                                                                              |
| 5200008555      | 31.12.2008   | -27.141,35                                                                             |
| 2786922         | 31.08.2000   | 27.123,48                                                                              |
| 2786923         | 01.09.2000   | -27.123,48                                                                             |
| 9515403484      | 20.11.2017   | 27.113,32                                                                              |
| 9515366061      | 03.11.2017   | 27.067,27                                                                              |
| 9515302906      | 06.10.2017   | 27.066,56                                                                              |
| 9515074065      | 29.06.2017   | 26.987,97                                                                              |
| 9515446043      | 07.12.2017   | 26.962,78                                                                              |
| 9515185017      | 17.08.2017   | 26.946,00                                                                              |
| 9515193931      | 22.08.2017   | 26.942,05                                                                              |
| 5200002003      | 01.06.2001   | 26.887,10                                                                              |
| 5200001824      | 31.05.2001   | -26.887,10                                                                             |
| 2739689         | 31.05.1997   | 26.849,04                                                                              |
| 2739690         | 02.06.1997   | -26.849,04                                                                             |
| 9515478695      | 22.12.2017   | 26.832,00                                                                              |
| 2716729         | 31.12.1995   | 26.785,74                                                                              |
| 2715987         | 02.01.1996   | 26.785,74                                                                              |
| 2717085         | 02.01.1996   | 26.785,74                                                                              |
| 2715986         | 31.12.1995   | -26.785,74                                                                             |
| 2717084         | 31.12.1995   | -26.785,74                                                                             |
| 2716730         | 02.01.1996   | -26.785,74                                                                             |
| 9515402001      | 20.11.2017   | 26.756,66                                                                              |
| 9515405839      | 21.11.2017   | 26.752,00                                                                              |
| 5200030740      | 31.12.2012   | -26.751,57                                                                             |
| 2781646         | 03.04.2000   | 26.717,99                                                                              |
| 2781645         | 31.03.2000   | -26.717,99                                                                             |
| 5200020685      | 31.07.2013   | 26.704,79                                                                              |
| 9515463062      | 14.12.2017   | 26.663,62                                                                              |
| 6000192102      | 13.09.2002   | 26.562,97                                                                              |
| 9515412179      | 23.11.2017   | 26.491,89                                                                              |
| 6000004364      | 06.01.2005   | -26.489,27                                                                             |
| 9515374338      | 08.11.2017   | 26.465,73                                                                              |
| 5200002980      | 29.02.2004   | 26.465,12                                                                              |
| 9515230066      | 07.09.2017   | 26.385,06                                                                              |
| 9515463053      | 14.12.2017   | 26.375,54                                                                              |
| 9515349417      | 26.10.2017   | 26.356,83                                                                              |
| 6000405109      | 19.11.2008   | 26.345,64                                                                              |
| 9515250222      | 15.09.2017   | 26.319,92                                                                              |

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| 6000250624      | 15.12.2003   | 26.305,55                                                                              |
| 9515408926      | 22.11.2017   | 26.296,30                                                                              |
| 9515319396      | 13.10.2017   | 26.255,98                                                                              |
| 2718958         | 29.02.1996   | 26.251,90                                                                              |
| 2718959         | 01.03.1996   | -26.251,90                                                                             |
| 2704009         | 01.12.1994   | 26.234,10                                                                              |
| 2704008         | 30.11.1994   | -26.234,10                                                                             |
| 2701409         | 31.12.2000   | 26.164,32                                                                              |
| 2701410         | 01.01.2001   | -26.164,32                                                                             |
| 9515440670      | 05.12.2017   | 26.159,91                                                                              |
| 5200020764      | 30.06.2017   | -26.158,51                                                                             |
| 9515032823      | 12.06.2017   | 26.150,40                                                                              |
| 5200005382      | 31.08.2006   | -26.119,58                                                                             |
| 9515478585      | 22.12.2017   | 26.009,06                                                                              |
| 9514550397      | 10.11.2016   | 26.005,41                                                                              |
| 9515398450      | 17.11.2017   | 25.992,85                                                                              |
| 9515374706      | 08.11.2017   | 25.977,60                                                                              |
| 5200005233      | 31.07.2008   | 25.924,98                                                                              |
| 9515433817      | 01.12.2017   | 25.868,82                                                                              |
| 2723437         | 30.06.1996   | 25.848,70                                                                              |
| 2723438         | 01.07.1996   | -25.848,70                                                                             |
| 5200033424      | 31.12.2015   | -25.824,07                                                                             |
| 5200001567      | 29.02.2008   | 25.822,66                                                                              |
| 9515432288      | 01.12.2017   | 25.811,18                                                                              |
| 5200004444      | 30.06.2008   | -25.772,18                                                                             |
| 9515418795      | 27.11.2017   | 25.754,22                                                                              |
| 6000022709      | 15.01.2016   | -25.712,65                                                                             |
| 2711241         | 01.08.1995   | 25.662,84                                                                              |
| 2711240         | 31.07.1995   | -25.662,84                                                                             |
| 2701834         | 01.09.1994   | 25.623,80                                                                              |
| 2701833         | 31.08.1994   | -25.623,80                                                                             |
| 5200000838      | 31.01.2009   | 25.608,60                                                                              |
| 6000094699      | 19.03.2012   | -25.594,94                                                                             |
| 2777810         | 31.12.1999   | 25.572,77                                                                              |
| 2777811         | 03.01.2000   | -25.572,77                                                                             |
| 2759219         | 31.07.1991   | 25.572,14                                                                              |
| 2759872         | 01.08.1991   | 25.572,14                                                                              |
| 2760741         | 01.09.1991   | 25.572,14                                                                              |
| 2759833         | 31.07.1991   | -25.572,14                                                                             |
| 2759258         | 01.08.1991   | -25.572,14                                                                             |
| 2760704         | 31.08.1991   | -25.572,14                                                                             |
| 6000367671      | 11.12.2007   | 25.568,41                                                                              |
| 2729439         | 30.11.1996   | 25.531,21                                                                              |
| 2729440         | 02.12.1996   | -25.531,21                                                                             |
| 2701385         | 31.12.2000   | 25.523,73                                                                              |
| 2701386         | 01.01.2001   | -25.523,73                                                                             |
| 9515339100      | 23.10.2017   | 25.515,83                                                                              |
| 9515466103      | 15.12.2017   | 25.513,50                                                                              |
| 5200007341      | 31.10.2009   | -25.490,98                                                                             |
| 9515364897      | 03.11.2017   | 25.478,04                                                                              |
| 2500001894      | 02.12.2013   | 25.469,24                                                                              |
| 9515480271      | 27.12.2017   | 25.450,10                                                                              |
| 5200004073      | 31.05.2005   | -25.449,09                                                                             |
| 2702585         | 31.01.2001   | 25.420,90                                                                              |
| 2702586         | 01.02.2001   | -25.420,90                                                                             |
| 9515473735      | 20.12.2017   | 25.388,02                                                                              |
| 6000332296      | 19.10.2009   | -25.330,44                                                                             |
| 2743209         | 31.08.1997   | 25.327,86                                                                              |
| 2743210         | 01.09.1997   | -25.327,86                                                                             |
| 9515366049      | 03.11.2017   | 25.296,90                                                                              |
| 5200000841      | 31.01.2009   | -25.260,09                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2777775         | 03.01.2000   | 25.238,95                                                                              |
| 2777774         | 31.12.1999   | -25.238,95                                                                             |
| 9515452192      | 11.12.2017   | 25.193,37                                                                              |
| 9515361524      | 13.11.2017   | -25.180,34                                                                             |
| 5200033538      | 31.12.2013   | -25.174,43                                                                             |
| 5200005982      | 31.08.2008   | 25.171,81                                                                              |
| 9515467839      | 18.12.2017   | 25.125,42                                                                              |
| 6000023593      | 28.01.2005   | -25.117,48                                                                             |
| 9515423871      | 28.11.2017   | 25.116,00                                                                              |
| 9515371106      | 07.11.2017   | 25.090,76                                                                              |
| 9515406039      | 21.11.2017   | 25.066,10                                                                              |
| 9515478674      | 22.12.2017   | 25.043,82                                                                              |
| 5200006666      | 31.10.2006   | 25.029,66                                                                              |
| 2753999         | 02.06.1998   | 25.008,26                                                                              |
| 2753998         | 31.05.1998   | -25.008,26                                                                             |
| 9515322143      | 16.10.2017   | 24.987,71                                                                              |
| 9515463057      | 14.12.2017   | 24.934,07                                                                              |
| 9515405796      | 21.11.2017   | 24.912,36                                                                              |
| 2762904         | 31.12.1998   | 24.909,19                                                                              |
| 2762905         | 04.01.1999   | -24.909,19                                                                             |
| 9515425248      | 29.11.2017   | 24.869,49                                                                              |
| 5200016180      | 30.06.2016   | 24.832,95                                                                              |
| 9515458708      | 13.12.2017   | 24.825,03                                                                              |
| 2760295         | 31.10.1998   | 24.816,93                                                                              |
| 2760296         | 02.11.1998   | -24.816,93                                                                             |
| 5200023422      | 31.08.2013   | -24.799,39                                                                             |
| 5200005546      | 30.04.2002   | 24.786,73                                                                              |
| 5200005700      | 30.04.2002   | -24.742,90                                                                             |
| 2744436         | 01.10.1997   | 24.698,08                                                                              |
| 2744435         | 30.09.1997   | -24.698,08                                                                             |
| 5200011927      | 31.05.2014   | -24.692,46                                                                             |
| 5200006933      | 31.05.2002   | -24.683,32                                                                             |
| 2783453         | 01.10.1992   | 24.674,72                                                                              |
| 2783404         | 30.09.1992   | -24.674,72                                                                             |
| 9515450268      | 08.12.2017   | 24.672,96                                                                              |
| 2718957         | 01.03.1996   | 24.665,07                                                                              |
| 2718956         | 29.02.1996   | -24.665,07                                                                             |
| 5200014276      | 31.12.2003   | -24.617,63                                                                             |
| 2647517         | 01.10.1996   | 24.596,42                                                                              |
| 2647516         | 30.09.1996   | -24.596,42                                                                             |
| 5200004120      | 30.06.2007   | 24.523,10                                                                              |
| 9515463054      | 14.12.2017   | 24.509,84                                                                              |
| 2742107         | 01.08.1997   | 24.504,43                                                                              |
| 2742106         | 31.07.1997   | -24.504,43                                                                             |
| 9515329108      | 18.10.2017   | 24.482,76                                                                              |
| 9515209113      | 29.08.2017   | -24.400,80                                                                             |
| 5200012372      | 31.07.2011   | 24.368,01                                                                              |
| 5200009762      | 31.08.2004   | -24.361,07                                                                             |
| 2523651         | 30.09.1999   | 24.319,64                                                                              |
| 2524055         | 01.10.1999   | -24.319,64                                                                             |
| 2712242         | 01.09.1995   | 24.285,85                                                                              |
| 2712241         | 31.08.1995   | -24.285,85                                                                             |
| 2720035         | 31.03.1996   | 24.252,77                                                                              |
| 2720036         | 01.04.1996   | -24.252,77                                                                             |
| 5200020537      | 31.08.2014   | 24.228,40                                                                              |
| 5200010100      | 30.09.2003   | -24.197,47                                                                             |
| 9515399365      | 17.11.2017   | 24.189,60                                                                              |
| 9515461416      | 14.12.2017   | 24.166,36                                                                              |
| 9515366051      | 03.11.2017   | 24.161,64                                                                              |
| 9515403462      | 20.11.2017   | 24.150,50                                                                              |
| 9514909872      | 19.04.2017   | 24.121,35                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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| 9515400149      | 17.11.2017   | 24.097,38                                                                              |
| 9515473731      | 20.12.2017   | 24.087,36                                                                              |
| 9515369235      | 06.11.2017   | 24.083,30                                                                              |
| 2738674         | 30.04.1997   | 24.059,77                                                                              |
| 2738675         | 02.05.1997   | -24.059,77                                                                             |
| 2755116         | 01.07.1998   | 24.020,40                                                                              |
| 2755115         | 30.06.1998   | -24.020,40                                                                             |
| 6000218481      | 10.07.2017   | 23.998,81                                                                              |
| 5200030748      | 31.12.2012   | 23.945,09                                                                              |
| 9515451172      | 08.12.2017   | 23.925,55                                                                              |
| 5200005229      | 31.07.2008   | 23.907,72                                                                              |
| 9515345706      | 25.10.2017   | 23.904,65                                                                              |
| 9515047523      | 19.06.2017   | 23.898,56                                                                              |
| 9515370144      | 06.11.2017   | 23.859,36                                                                              |
| 5200008548      | 31.12.2008   | -23.859,02                                                                             |
| 9515298789      | 05.10.2017   | 23.851,05                                                                              |
| 9515391605      | 15.11.2017   | 23.835,90                                                                              |
| 9515477998      | 21.12.2017   | 23.800,32                                                                              |
| 5200002396      | 31.03.2009   | -23.799,23                                                                             |
| 5200004119      | 30.06.2007   | -23.766,00                                                                             |
| 5200012380      | 31.07.2011   | -23.748,87                                                                             |
| 9515384826      | 13.11.2017   | 23.741,04                                                                              |
| 9515405823      | 21.11.2017   | 23.727,54                                                                              |
| 5200004226      | 30.06.2010   | 23.676,33                                                                              |
| 9515457476      | 12.12.2017   | 23.642,64                                                                              |
| 6000140299      | 08.07.2002   | 23.633,88                                                                              |
| 5200004132      | 31.05.2005   | 23.630,00                                                                              |
| 6000281444      | 09.09.2015   | 23.629,66                                                                              |
| 5200012825      | 30.04.2017   | -23.578,35                                                                             |
| 2756700         | 01.06.1991   | 23.498,10                                                                              |
| 2756669         | 31.05.1991   | -23.498,10                                                                             |
| 2750515         | 28.02.1998   | 23.468,12                                                                              |
| 2750516         | 02.03.1998   | -23.468,12                                                                             |
| 2500003014      | 04.07.2002   | 23.464,87                                                                              |
| 5200013945      | 30.11.2002   | 23.462,56                                                                              |
| 9515401988      | 15.11.2017   | -23.379,03                                                                             |
| 5200012235      | 30.11.2004   | 23.348,19                                                                              |
| 9515326533      | 17.10.2017   | 23.338,70                                                                              |
| 9515371712      | 07.11.2017   | 23.338,70                                                                              |
| 9515436180      | 04.12.2017   | 23.338,70                                                                              |
| 9515423881      | 28.11.2017   | 23.312,70                                                                              |
| 2778975         | 01.02.2000   | 23.304,91                                                                              |
| 2778974         | 31.01.2000   | -23.304,91                                                                             |
| 5200008060      | 30.11.2009   | 23.282,75                                                                              |
| 9515439169      | 05.12.2017   | 23.256,12                                                                              |
| 5200003723      | 28.02.2014   | -23.250,29                                                                             |
| 2789878         | 02.05.1994   | 23.206,17                                                                              |
| 2789877         | 30.04.1994   | -23.206,17                                                                             |
| 2763965         | 31.01.1999   | 23.201,05                                                                              |
| 2763966         | 01.02.1999   | -23.201,05                                                                             |
| 5200028440      | 30.11.2014   | 23.153,50                                                                              |
| 2646302         | 31.08.1996   | 23.134,59                                                                              |
| 2646303         | 02.09.1996   | -23.134,59                                                                             |
| 9515381153      | 10.11.2017   | 23.085,37                                                                              |
| 5200028726      | 31.10.2013   | -23.068,02                                                                             |
| 9513850449      | 15.12.2015   | 23.043,50                                                                              |
| 2500004655      | 09.10.2003   | 23.037,54                                                                              |
| 6000296085      | 26.08.2008   | -23.021,90                                                                             |
| 6000402393      | 18.11.2008   | 23.000,75                                                                              |
| 2759003         | 30.09.1998   | 22.984,32                                                                              |
| 2759004         | 01.10.1998   | -22.984,32                                                                             |

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| 5200002950      | 30.04.2010   | -22.970,66                                                                             |
| 6000368479      | 11.12.2007   | -22.967,89                                                                             |
| 5200006043      | 31.08.2008   | 22.967,59                                                                              |
| 2500000699      | 15.04.2013   | 22.917,84                                                                              |
| 9515425184      | 29.11.2017   | 22.916,15                                                                              |
| 9515381487      | 10.11.2017   | 22.914,50                                                                              |
| 5000001365      | 30.09.2017   | 22.861,44                                                                              |
| 5000001064      | 30.06.2017   | -22.861,44                                                                             |
| 6000087744      | 20.03.2015   | -22.852,02                                                                             |
| 9515408748      | 22.11.2017   | 22.836,15                                                                              |
| 9515440684      | 05.12.2017   | 22.822,46                                                                              |
| 5200009201      | 31.05.2011   | 22.798,12                                                                              |
| 6000276105      | 04.09.2013   | 22.790,75                                                                              |
| 9515084476      | 04.07.2017   | -22.784,22                                                                             |
| 2772149         | 31.07.1999   | 22.780,82                                                                              |
| 2772150         | 02.08.1999   | -22.780,82                                                                             |
| 5200025774      | 31.10.2014   | 22.779,91                                                                              |
| 9515400147      | 17.11.2017   | 22.773,99                                                                              |
| 9515433775      | 01.12.2017   | 22.773,99                                                                              |
| 9515443035      | 06.12.2017   | 22.760,00                                                                              |
| 9515339209      | 23.10.2017   | 22.755,45                                                                              |
| 6000150595      | 11.05.2010   | -22.747,97                                                                             |
| 2780509         | 01.03.2000   | 22.729,04                                                                              |
| 2780508         | 29.02.2000   | -22.729,04                                                                             |
| 2766254         | 01.01.1992   | 22.720,59                                                                              |
| 2766215         | 31.12.1991   | -22.720,59                                                                             |
| 9515458171      | 13.12.2017   | 22.715,17                                                                              |
| 9515414741      | 23.11.2017   | 22.711,50                                                                              |
| 2755088         | 01.07.1998   | 22.704,80                                                                              |
| 2755087         | 30.06.1998   | -22.704,80                                                                             |
| 2705775         | 01.02.1995   | 22.659,45                                                                              |
| 2705774         | 31.01.1995   | -22.659,45                                                                             |
| 9515398392      | 17.11.2017   | 22.630,78                                                                              |
| 9515256475      | 19.09.2017   | 22.628,55                                                                              |
| 9515458182      | 13.12.2017   | 22.606,93                                                                              |
| 6000033215      | 19.02.2003   | 22.557,02                                                                              |
| 5000000854      | 30.06.2017   | 22.501,82                                                                              |
| 5000000556      | 31.03.2017   | -22.501,82                                                                             |
| 9515479260      | 22.12.2017   | 22.498,02                                                                              |
| 2700782         | 01.07.1994   | 22.497,74                                                                              |
| 2700781         | 30.06.1994   | -22.497,74                                                                             |
| 9512164446      | 16.01.2014   | -22.477,26                                                                             |
| 9515339100      | 23.10.2017   | 22.477,14                                                                              |
| 5200005908      | 31.08.2009   | -22.475,28                                                                             |
| 2500000865      | 30.03.2006   | -22.439,04                                                                             |
| 9515417041      | 24.11.2017   | 22.431,02                                                                              |
| 2701313         | 01.08.1994   | 22.403,00                                                                              |
| 2701312         | 31.07.1994   | -22.403,00                                                                             |
| 2757943         | 01.07.1991   | 22.386,04                                                                              |
| 2757907         | 30.06.1991   | -22.386,04                                                                             |
| 2703672         | 28.02.2001   | 22.384,76                                                                              |
| 2703673         | 01.03.2001   | -22.384,76                                                                             |
| 9515443880      | 06.12.2017   | 22.246,00                                                                              |
| 2772189         | 31.07.1999   | 22.232,79                                                                              |
| 2772190         | 02.08.1999   | -22.232,79                                                                             |
| 2665677         | 01.03.1993   | 22.224,13                                                                              |
| 2665676         | 28.02.1993   | -22.224,13                                                                             |
| 9515329108      | 18.10.2017   | 22.213,90                                                                              |
| 9511239653      | 13.02.2014   | -22.207,50                                                                             |
| 5200000888      | 31.01.2005   | -22.199,04                                                                             |
| 9515387770      | 13.11.2017   | 22.179,40                                                                              |

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| 2788727         | 01.02.1994   | 22.176,51                                                                              |
| 2788726         | 31.01.1994   | -22.176,51                                                                             |
| 2500002670      | 20.09.2005   | -22.173,71                                                                             |
| 5200003993      | 28.02.2015   | -22.161,08                                                                             |
| 5200001523      | 28.02.2010   | 22.147,82                                                                              |
| 9515420236      | 27.11.2017   | 22.143,88                                                                              |
| 9515470825      | 19.12.2017   | -22.082,85                                                                             |
| 9515452193      | 11.12.2017   | 22.073,02                                                                              |
| 2702584         | 01.02.2001   | 22.071,40                                                                              |
| 2702583         | 31.01.2001   | -22.071,40                                                                             |
| 6000382336      | 31.10.2008   | -22.070,50                                                                             |
| 6000284271      | 11.09.2017   | 22.068,13                                                                              |
| 5200002314      | 31.03.2009   | 22.035,53                                                                              |
| 2500000253      | 31.01.2008   | 22.017,93                                                                              |
| 9515423874      | 28.11.2017   | 22.016,84                                                                              |
| 6000187008      | 04.06.2012   | 22.000,97                                                                              |
| 9515235070      | 08.09.2017   | 21.975,05                                                                              |
| 5200011356      | 31.10.2004   | 21.974,85                                                                              |
| 6000454204      | 29.12.2008   | 21.936,89                                                                              |
| 2755590         | 01.05.1991   | 21.932,06                                                                              |
| 5200033548      | 31.12.2013   | 21.913,04                                                                              |
| 2702557         | 31.01.2001   | 21.905,90                                                                              |
| 2702558         | 01.02.2001   | -21.905,90                                                                             |
| 6000102593      | 26.03.2008   | -21.882,67                                                                             |
| 9515425850      | 29.11.2017   | 21.849,90                                                                              |
| 9515322651      | 16.10.2017   | 21.780,00                                                                              |
| 9515441364      | 05.12.2017   | 21.766,80                                                                              |
| 9515448028      | 07.12.2017   | 21.766,80                                                                              |
| 9515302908      | 06.10.2017   | 21.760,99                                                                              |
| 9515342606      | 24.10.2017   | 21.760,29                                                                              |
| 5200008517      | 30.04.2012   | 21.706,00                                                                              |
| 5200004626      | 30.06.2008   | -21.698,06                                                                             |
| 6000347824      | 27.11.2007   | -21.682,80                                                                             |
| 9512474848      | 13.05.2014   | 21.660,00                                                                              |
| 2773191         | 01.06.1992   | 21.658,94                                                                              |
| 2773153         | 31.05.1992   | -21.658,94                                                                             |
| 9515059488      | 23.06.2017   | 21.632,50                                                                              |
| 9515361421      | 02.11.2017   | 21.632,50                                                                              |
| 9515440682      | 05.12.2017   | 21.604,09                                                                              |
| 9515382737      | 10.11.2017   | 21.592,08                                                                              |
| 6000022917      | 23.01.2009   | 21.590,75                                                                              |
| 5000002229      | 31.12.2017   | 21.590,62                                                                              |
| 5200002997      | 01.03.2002   | 21.581,64                                                                              |
| 5200002823      | 28.02.2002   | -21.581,64                                                                             |
| 6000417796      | 28.11.2008   | 21.579,70                                                                              |
| 9515466384      | 15.12.2017   | 21.578,39                                                                              |
| 9515383816      | 10.11.2017   | 21.576,96                                                                              |
| 9515315992      | 12.10.2017   | 21.571,59                                                                              |
| 5200009171      | 31.07.2002   | 21.571,39                                                                              |
| 9515433782      | 01.12.2017   | 21.538,41                                                                              |
| 2782288         | 30.04.2000   | 21.531,35                                                                              |
| 2782289         | 02.05.2000   | -21.531,35                                                                             |
| 2704897         | 31.03.2001   | 21.437,48                                                                              |
| 2704898         | 01.04.2001   | -21.437,48                                                                             |
| 5200001389      | 31.01.2003   | -21.417,38                                                                             |
| 9515398711      | 17.11.2017   | 21.376,38                                                                              |
| 5200013948      | 30.11.2002   | -21.368,14                                                                             |
| 9515384770      | 13.11.2017   | 21.366,31                                                                              |
| 5200008221      | 30.11.2005   | 21.359,40                                                                              |
| 9515425044      | 29.11.2017   | 21.358,81                                                                              |
| 9515322159      | 16.10.2017   | 21.354,64                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9515427288      | 30.11.2017   | 21.345,75                                                                              |
| 5200000834      | 31.01.2008   | 21.321,23                                                                              |
| 5200001037      | 31.01.2014   | 21.284,99                                                                              |
| 5000001365      | 30.09.2017   | 21.277,71                                                                              |
| 5000001064      | 30.06.2017   | -21.277,71                                                                             |
| 2701323         | 01.08.1994   | 21.273,13                                                                              |
| 2701322         | 31.07.1994   | -21.273,13                                                                             |
| 6000047032      | 15.02.2010   | 21.261,48                                                                              |
| 5200008400      | 31.12.2009   | 21.240,51                                                                              |
| 9515397728      | 16.11.2017   | 21.189,21                                                                              |
| 2500000235      | 08.02.2013   | 21.181,58                                                                              |
| 2665655         | 01.03.1993   | 21.173,76                                                                              |
| 2665654         | 28.02.1993   | -21.173,76                                                                             |
| 6000387426      | 30.11.2012   | 21.169,99                                                                              |
| 9515426865      | 29.11.2017   | 21.153,42                                                                              |
| 6000398129      | 16.12.2013   | 21.144,42                                                                              |
| 9515387763      | 13.11.2017   | 21.139,72                                                                              |
| 5200008129      | 30.11.2008   | -21.095,35                                                                             |
| 6000142830      | 21.06.2005   | -21.065,34                                                                             |
| 9515432483      | 01.12.2017   | 21.063,00                                                                              |
| 9515284845      | 29.09.2017   | 21.058,95                                                                              |
| 5200034060      | 31.12.2016   | 21.003,32                                                                              |
| 2500000236      | 16.01.2004   | 20.946,59                                                                              |
| 5000000854      | 30.06.2017   | 20.943,00                                                                              |
| 5000000556      | 31.03.2017   | -20.943,00                                                                             |
| 9515389266      | 14.11.2017   | 20.940,00                                                                              |
| 5200023728      | 31.07.2017   | -20.933,60                                                                             |
| 2744437         | 30.09.1997   | 20.891,03                                                                              |
| 2744438         | 01.10.1997   | -20.891,03                                                                             |
| 2730561         | 02.01.1997   | 20.885,37                                                                              |
| 2730560         | 31.12.1996   | -20.885,37                                                                             |
| 9515457475      | 12.12.2017   | 20.856,96                                                                              |
| 5200008073      | 30.06.2004   | 20.854,00                                                                              |
| 2664959         | 01.02.1993   | 20.852,51                                                                              |
| 2664958         | 31.01.1993   | -20.852,51                                                                             |
| 2779309         | 01.02.2000   | 20.843,89                                                                              |
| 2779308         | 31.01.2000   | -20.843,89                                                                             |
| 9515474037      | 20.12.2017   | 20.836,98                                                                              |
| 9515407253      | 21.11.2017   | 20.831,26                                                                              |
| 5200006688      | 30.09.2008   | -20.761,78                                                                             |
| 5200008071      | 30.06.2004   | 20.749,08                                                                              |
| 5200012219      | 30.11.2004   | 20.746,76                                                                              |
| 5200011925      | 31.05.2014   | 20.720,35                                                                              |
| 2500002603      | 27.12.2012   | 20.718,75                                                                              |
| 2500000698      | 15.04.2013   | -20.718,75                                                                             |
| 9515122379      | 19.07.2017   | 20.667,41                                                                              |
| 9515474130      | 20.12.2017   | 20.663,91                                                                              |
| 5200003730      | 28.02.2014   | 20.640,09                                                                              |
| 5200003111      | 30.04.2009   | 20.632,25                                                                              |
| 2772188         | 02.08.1999   | 20.581,17                                                                              |
| 2772187         | 31.07.1999   | -20.581,17                                                                             |
| 9515438708      | 05.12.2017   | 20.553,63                                                                              |
| 2500003526      | 01.07.2003   | 20.482,55                                                                              |
| 9515405478      | 21.11.2017   | 20.482,34                                                                              |
| 9515389835      | 14.11.2017   | 20.471,52                                                                              |
| 9515423879      | 28.11.2017   | 20.387,43                                                                              |
| 2784851         | 02.11.1992   | 20.358,37                                                                              |
| 2784808         | 31.10.1992   | -20.358,37                                                                             |
| 2717086         | 31.12.1995   | 20.301,63                                                                              |
| 2717087         | 02.01.1996   | -20.301,63                                                                             |
| 2751823         | 31.03.1998   | 20.276,21                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2751824         | 01.04.1998   | -20.276,21                                                                             |
| 5200005391      | 31.08.2006   | -20.269,04                                                                             |
| 2771039         | 30.06.1999   | 20.268,84                                                                              |
| 2771040         | 01.07.1999   | -20.268,84                                                                             |
| 9515420249      | 27.11.2017   | 20.248,64                                                                              |
| 9515443880      | 06.12.2017   | 20.248,64                                                                              |
| 5200004437      | 30.06.2008   | 20.224,08                                                                              |
| 2761940         | 01.10.1991   | 20.184,83                                                                              |
| 2763255         | 01.11.1991   | 20.184,83                                                                              |
| 2761895         | 30.09.1991   | -20.184,83                                                                             |
| 2763219         | 31.10.1991   | -20.184,83                                                                             |
| 5200039519      | 30.11.2017   | -20.169,43                                                                             |
| 9515476495      | 21.12.2017   | 20.167,53                                                                              |
| 9515439029      | 05.12.2017   | 20.144,28                                                                              |
| 2767264         | 03.02.1992   | 20.135,68                                                                              |
| 2767227         | 31.01.1992   | -20.135,68                                                                             |
| 9515371106      | 07.11.2017   | 20.117,02                                                                              |
| 2785701         | 31.07.2000   | 20.109,22                                                                              |
| 2785702         | 01.08.2000   | -20.109,22                                                                             |
| 6000315727      | 07.10.2015   | 20.099,46                                                                              |
| 9515420279      | 27.11.2017   | 20.086,13                                                                              |
| 9515459792      | 13.12.2017   | 20.086,13                                                                              |
| 9515389267      | 14.11.2017   | 20.085,00                                                                              |
| 5200000829      | 31.01.2009   | 20.079,73                                                                              |
| 6000053400      | 18.02.2009   | -20.019,30                                                                             |
| 9515476444      | 21.12.2017   | 20.000,00                                                                              |
| 2736400         | 28.02.1997   | 19.991,15                                                                              |
| 2736401         | 03.03.1997   | -19.991,15                                                                             |
| 6000086828      | 18.03.2015   | -19.963,52                                                                             |
| 2764493         | 02.12.1991   | 19.940,26                                                                              |
| 2764456         | 30.11.1991   | -19.940,26                                                                             |
| 6000048685      | 16.02.2010   | -19.935,56                                                                             |
| 2775271         | 01.10.1999   | 19.917,63                                                                              |
| 2774429         | 01.09.1999   | -19.917,63                                                                             |
| 9515405478      | 21.11.2017   | 19.917,30                                                                              |
| 5200000960      | 31.01.2005   | 19.905,35                                                                              |
| 5200007303      | 30.11.2006   | -19.873,43                                                                             |
| 9515249945      | 15.09.2017   | 19.870,59                                                                              |
| 2701393         | 31.12.2000   | 19.869,90                                                                              |
| 2701394         | 01.01.2001   | -19.869,90                                                                             |
| 9515394438      | 15.11.2017   | 19.866,70                                                                              |
| 9515394439      | 15.11.2017   | 19.866,70                                                                              |
| 9514382023      | 26.08.2016   | 19.848,08                                                                              |
| 5200008922      | 31.07.2004   | 19.844,31                                                                              |
| 6000277595      | 05.09.2013   | 19.812,24                                                                              |
| 9515434651      | 01.12.2017   | 19.747,00                                                                              |
| 2500001721      | 07.07.2009   | 19.743,18                                                                              |
| 2500001744      | 07.07.2009   | 19.743,18                                                                              |
| 2500001742      | 07.07.2009   | -19.743,18                                                                             |
| 9514273639      | 04.07.2016   | -19.741,79                                                                             |
| 9515463946      | 14.12.2017   | 19.736,16                                                                              |
| 6000117114      | 15.04.2015   | -19.695,18                                                                             |
| 5200037171      | 31.12.2001   | 19.689,28                                                                              |
| 6000060304      | 23.02.2009   | -19.680,90                                                                             |
| 9515419092      | 27.11.2017   | 19.663,15                                                                              |
| 5200013007      | 30.11.2003   | 19.630,51                                                                              |
| 6000331178      | 13.11.2007   | -19.600,50                                                                             |
| 5200025981      | 30.09.2013   | -19.571,48                                                                             |
| 2718966         | 29.02.1996   | 19.567,47                                                                              |
| 2718967         | 01.03.1996   | -19.567,47                                                                             |
| 2600040095      | 11.05.2007   | -19.518,38                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2701415         | 31.12.2000   | 19.503,69                                                                              |
| 2701416         | 01.01.2001   | -19.503,69                                                                             |
| 5200012362      | 30.11.2004   | -19.477,92                                                                             |
| 9515384933      | 13.11.2017   | 19.470,32                                                                              |
| 9515418776      | 27.11.2017   | 19.452,85                                                                              |
| 9515456760      | 12.12.2017   | 19.452,10                                                                              |
| 6000326903      | 19.09.2008   | -19.451,55                                                                             |
| 5200008917      | 31.08.2003   | 19.433,81                                                                              |
| 9515309416      | 10.10.2017   | 19.433,04                                                                              |
| 5200005974      | 31.08.2008   | 19.426,15                                                                              |
| 5200001576      | 28.02.2009   | -19.414,85                                                                             |
| 2700402         | 30.11.2000   | 19.404,17                                                                              |
| 2700403         | 01.12.2000   | -19.404,17                                                                             |
| 9515425084      | 29.11.2017   | 19.380,11                                                                              |
| 5200009168      | 31.07.2002   | -19.360,04                                                                             |
| 9515413080      | 23.11.2017   | 19.351,68                                                                              |
| 9515483751      | 29.12.2017   | 19.348,26                                                                              |
| 5200005236      | 31.07.2008   | -19.348,12                                                                             |
| 9515240171      | 12.09.2017   | 19.326,17                                                                              |
| 2720024         | 01.04.1996   | 19.323,54                                                                              |
| 2720023         | 31.03.1996   | -19.323,54                                                                             |
| 9515367827      | 06.11.2017   | 19.284,99                                                                              |
| 2666493         | 01.04.1993   | 19.261,46                                                                              |
| 2666492         | 31.03.1993   | -19.261,46                                                                             |
| 5200002944      | 30.04.2010   | 19.258,02                                                                              |
| 2703692         | 28.02.2001   | 19.251,71                                                                              |
| 2703693         | 01.03.2001   | -19.251,71                                                                             |
| 9515455193      | 12.12.2017   | 19.235,56                                                                              |
| 5200005648      | 30.04.2011   | 19.220,64                                                                              |
| 2788454         | 03.01.1994   | 19.205,21                                                                              |
| 2788453         | 31.12.1993   | -19.205,21                                                                             |
| 9514956000      | 10.05.2017   | 19.200,00                                                                              |
| 2664937         | 01.02.1993   | 19.196,59                                                                              |
| 2664936         | 31.01.1993   | -19.196,59                                                                             |
| 9515455168      | 12.12.2017   | 19.184,08                                                                              |
| 2771773         | 04.05.1992   | 19.119,35                                                                              |
| 2771738         | 30.04.1992   | -19.119,35                                                                             |
| 9515442679      | 06.12.2017   | 19.118,88                                                                              |
| 9515418707      | 27.11.2017   | 19.083,61                                                                              |
| 2783504         | 31.05.2000   | 19.064,24                                                                              |
| 2783505         | 05.06.2000   | -19.064,24                                                                             |
| 5200028446      | 30.11.2014   | -19.057,21                                                                             |
| 9515452411      | 11.12.2017   | 19.020,89                                                                              |
| 5200005161      | 31.08.2001   | 19.020,80                                                                              |
| 5200005315      | 01.09.2001   | -19.020,80                                                                             |
| 9515482467      | 28.12.2017   | 19.004,54                                                                              |
| 6000324758      | 05.10.2017   | 19.002,51                                                                              |
| 2764003         | 31.01.1999   | 18.980,70                                                                              |
| 2764004         | 01.02.1999   | -18.980,70                                                                             |
| 9515476441      | 21.12.2017   | 18.978,60                                                                              |
| 2775809         | 01.11.1999   | 18.934,75                                                                              |
| 2775808         | 31.10.1999   | -18.934,75                                                                             |
| 9515468215      | 18.12.2017   | 18.900,57                                                                              |
| 2673520         | 31.12.1993   | 18.890,37                                                                              |
| 2673521         | 03.01.1994   | 18.890,37                                                                              |
| 2673520         | 31.12.1993   | -18.890,37                                                                             |
| 2673521         | 03.01.1994   | -18.890,37                                                                             |
| 2745600         | 31.10.1997   | 18.876,89                                                                              |
| 2745601         | 03.11.1997   | -18.876,89                                                                             |
| 5200017318      | 31.10.2011   | -18.873,28                                                                             |
| 5000001365      | 30.09.2017   | 18.867,56                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001064      | 30.06.2017   | -18.867,56                                                                             |
| 9515356509      | 30.10.2017   | 18.858,24                                                                              |
| 6000313475      | 09.09.2008   | 18.853,07                                                                              |
| 5200005574      | 31.05.2003   | -18.830,60                                                                             |
| 2500000819      | 26.03.2009   | -18.830,33                                                                             |
| 5200015604      | 30.09.2011   | 18.822,45                                                                              |
| 5200007306      | 30.11.2006   | 18.810,26                                                                              |
| 6000386686      | 30.11.2009   | -18.767,12                                                                             |
| 9515301852      | 06.10.2017   | 18.749,44                                                                              |
| 9515435340      | 04.12.2017   | 18.707,74                                                                              |
| 9515468082      | 18.12.2017   | 18.704,56                                                                              |
| 6000118843      | 10.06.2002   | 18.699,90                                                                              |
| 6000382339      | 31.10.2008   | -18.698,93                                                                             |
| 2727105         | 30.09.1996   | 18.698,79                                                                              |
| 2727106         | 01.10.1996   | -18.698,79                                                                             |
| 5200002362      | 28.02.2011   | -18.678,49                                                                             |
| 2647518         | 30.09.1996   | 18.662,12                                                                              |
| 2647519         | 01.10.1996   | -18.662,12                                                                             |
| 6000429875      | 09.12.2008   | 18.633,02                                                                              |
| 5200000844      | 31.01.2010   | 18.614,87                                                                              |
| 9515473028      | 19.12.2017   | 18.609,60                                                                              |
| 9515438723      | 05.12.2017   | 18.602,43                                                                              |
| 2762876         | 31.12.1998   | 18.578,34                                                                              |
| 2762877         | 04.01.1999   | -18.578,34                                                                             |
| 5000000854      | 30.06.2017   | 18.570,77                                                                              |
| 5000000556      | 31.03.2017   | -18.570,77                                                                             |
| 5200004219      | 30.06.2010   | 18.563,00                                                                              |
| 9515325610      | 17.10.2017   | 18.541,60                                                                              |
| 9515471791      | 19.12.2017   | -18.509,84                                                                             |
| 2500001077      | 05.09.2014   | -18.477,21                                                                             |
| 9515402001      | 20.11.2017   | 18.465,87                                                                              |
| 9515214897      | 15.09.2017   | 18.435,99                                                                              |
| 6000018271      | 22.01.2002   | -18.408,40                                                                             |
| 5200019022      | 30.11.2011   | 18.401,24                                                                              |
| 9515353183      | 27.10.2017   | 18.394,90                                                                              |
| 6000251671      | 11.08.2017   | 18.389,54                                                                              |
| 2786404         | 01.12.1992   | 18.372,75                                                                              |
| 2786364         | 30.11.1992   | -18.372,75                                                                             |
| 5200000827      | 31.01.2009   | -18.356,56                                                                             |
| 9515431204      | 30.11.2017   | 18.347,50                                                                              |
| 9515122379      | 19.07.2017   | 18.346,61                                                                              |
| 2784847         | 02.11.1992   | 18.331,56                                                                              |
| 2784804         | 31.10.1992   | -18.331,56                                                                             |
| 5200004324      | 31.03.2002   | -18.319,84                                                                             |
| 5200004056      | 30.06.2006   | -18.284,84                                                                             |
| 5200001799      | 28.02.2005   | -18.260,28                                                                             |
| 5200005980      | 31.08.2008   | -18.222,59                                                                             |
| 9515452248      | 11.12.2017   | 18.220,30                                                                              |
| 9515396849      | 16.11.2017   | 18.218,88                                                                              |
| 2736665         | 03.03.1997   | 18.214,45                                                                              |
| 2736664         | 28.02.1997   | -18.214,45                                                                             |
| 9515187999      | 17.08.2017   | -18.211,44                                                                             |
| 9515262585      | 21.09.2017   | 18.202,54                                                                              |
| 9515408034      | 21.11.2017   | 18.178,28                                                                              |
| 5200005242      | 31.07.2008   | -18.158,77                                                                             |
| 9515094406      | 07.07.2017   | 18.142,22                                                                              |
| 6000211379      | 20.10.2003   | 18.139,85                                                                              |
| 5200007371      | 30.11.2006   | -18.137,68                                                                             |
| 9514566209      | 17.11.2016   | 18.130,25                                                                              |
| 5200003587      | 31.05.2010   | -18.091,04                                                                             |
| 2746821         | 30.11.1997   | 18.034,22                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2746822         | 01.12.1997   | -18.034,22                                                                             |
| 2747989         | 31.12.1997   | 18.021,42                                                                              |
| 2747990         | 02.01.1998   | -18.021,42                                                                             |
| 6000104176      | 06.05.2005   | 18.020,63                                                                              |
| 9515352327      | 26.10.2017   | 18.011,84                                                                              |
| 9514132141      | 28.04.2016   | 17.996,97                                                                              |
| 2500005036      | 05.11.2003   | 17.994,54                                                                              |
| 5200006749      | 30.06.2003   | 17.985,79                                                                              |
| 5200004454      | 30.06.2008   | 17.978,40                                                                              |
| 6000009478      | 15.01.2004   | 17.976,03                                                                              |
| 9515469146      | 18.12.2017   | 17.969,76                                                                              |
| 9515361944      | 02.11.2017   | 17.959,00                                                                              |
| 9515366895      | 03.11.2017   | 17.953,34                                                                              |
| 9515472425      | 19.12.2017   | 17.931,27                                                                              |
| 9515214897      | 15.09.2017   | 17.907,14                                                                              |
| 9515458171      | 13.12.2017   | 17.890,98                                                                              |
| 6000458381      | 31.12.2008   | 17.883,67                                                                              |
| 9515468641      | 18.12.2017   | 17.849,46                                                                              |
| 5200002762      | 30.04.2006   | 17.847,21                                                                              |
| 2756469         | 03.08.1998   | 17.838,69                                                                              |
| 2756468         | 31.07.1998   | -17.838,69                                                                             |
| 6000420007      | 28.12.2012   | 17.817,94                                                                              |
| 5200028295      | 30.11.2012   | -17.817,94                                                                             |
| 9515444725      | 06.12.2017   | 17.809,20                                                                              |
| 9515451361      | 08.12.2017   | 17.809,20                                                                              |
| 9515081589      | 03.07.2017   | -17.780,00                                                                             |
| 9515364067      | 02.11.2017   | 17.778,86                                                                              |
| 9515464840      | 15.12.2017   | 17.775,30                                                                              |
| 2739695         | 31.05.1997   | 17.774,90                                                                              |
| 2739696         | 02.06.1997   | -17.774,90                                                                             |
| 9515454409      | 11.12.2017   | 17.727,00                                                                              |
| 9515355148      | 27.10.2017   | 17.716,72                                                                              |
| 2666471         | 01.04.1993   | 17.713,70                                                                              |
| 2666470         | 31.03.1993   | -17.713,70                                                                             |
| 9515409007      | 22.11.2017   | 17.694,02                                                                              |
| 6000004746      | 09.01.2003   | 17.685,58                                                                              |
| 9515373681      | 07.11.2017   | 17.683,50                                                                              |
| 6000156081      | 22.07.2002   | 17.672,87                                                                              |
| 2701814         | 01.09.1994   | 17.672,50                                                                              |
| 2701813         | 31.08.1994   | -17.672,50                                                                             |
| 9515302175      | 06.10.2017   | 17.668,40                                                                              |
| 9515465058      | 15.12.2017   | 17.668,40                                                                              |
| 2500000792      | 10.08.2017   | 17.640,00                                                                              |
| 9515463054      | 14.12.2017   | 17.633,78                                                                              |
| 9515339344      | 23.10.2017   | 17.618,01                                                                              |
| 9515418776      | 27.11.2017   | 17.609,01                                                                              |
| 5200031279      | 02.12.2013   | 17.602,19                                                                              |
| 2704908         | 02.01.1995   | 17.598,63                                                                              |
| 2704907         | 31.12.1994   | -17.598,63                                                                             |
| 5200007422      | 31.10.2008   | -17.592,88                                                                             |
| 9515398849      | 17.11.2017   | 17.587,98                                                                              |
| 6000029550      | 28.01.2009   | -17.561,32                                                                             |
| 9515478783      | 22.12.2017   | 17.554,59                                                                              |
| 2750496         | 02.03.1998   | 17.547,19                                                                              |
| 2750495         | 28.02.1998   | -17.547,19                                                                             |
| 9515408846      | 22.11.2017   | 17.536,01                                                                              |
| 6000269307      | 27.12.2002   | 17.534,65                                                                              |
| 9515391661      | 15.11.2017   | 17.523,76                                                                              |
| 5200025793      | 31.10.2014   | -17.523,15                                                                             |
| 2645137         | 01.08.1996   | 17.494,94                                                                              |
| 2645136         | 31.07.1996   | -17.494,94                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**Annex 19.2**  
Receivables Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000190757      | 04.06.2008   | -17.481,43                                                                             |
| 9515456596      | 12.12.2017   | 17.478,81                                                                              |
| 9515459736      | 13.12.2017   | 17.438,69                                                                              |
| 2737526         | 31.03.1997   | 17.428,36                                                                              |
| 2737527         | 01.04.1997   | -17.428,36                                                                             |
| 5200013970      | 31.08.2011   | -17.409,08                                                                             |
| 9515402536      | 20.11.2017   | 17.403,50                                                                              |
| 9515468213      | 18.12.2017   | 17.401,76                                                                              |
| 9515356504      | 30.10.2017   | 17.394,72                                                                              |
| 2701293         | 01.08.1994   | 17.388,29                                                                              |
| 2701292         | 31.07.1994   | -17.388,29                                                                             |
| 9515312625      | 11.10.2017   | 17.375,39                                                                              |
| 5200002371      | 28.02.2011   | 17.356,53                                                                              |
| 2700364         | 01.06.1994   | 17.329,12                                                                              |
| 2700363         | 31.05.1994   | -17.329,12                                                                             |
| 5200007557      | 30.11.2007   | 17.315,72                                                                              |
| 6000089564      | 18.03.2009   | 17.311,60                                                                              |
| 5200013975      | 31.08.2011   | 17.251,23                                                                              |
| 6000303558      | 29.09.2017   | 17.212,55                                                                              |
| 6000303573      | 29.09.2017   | -17.212,55                                                                             |
| 2500001055      | 23.10.2017   | 17.212,18                                                                              |
| 5200002808      | 30.04.2006   | -17.209,07                                                                             |
| 6000345748      | 23.10.2012   | 17.192,62                                                                              |
| 2500005009      | 30.11.2004   | -17.181,12                                                                             |
| 5200006144      | 30.09.2010   | -17.159,10                                                                             |
| 9515429945      | 30.11.2017   | 17.157,30                                                                              |
| 9515325610      | 17.10.2017   | 17.150,38                                                                              |
| 2664287         | 04.01.1993   | 17.137,02                                                                              |
| 2664286         | 31.12.1992   | -17.137,02                                                                             |
| 5200003135      | 30.04.2009   | -17.095,30                                                                             |
| 9515357941      | 30.10.2017   | 17.083,20                                                                              |
| 6000110967      | 06.06.2003   | 17.026,58                                                                              |
| 5200012610      | 30.04.2013   | -17.003,49                                                                             |
| 2757944         | 01.07.1991   | 16.987,13                                                                              |
| 2757908         | 30.06.1991   | -16.987,13                                                                             |
| 9515477194      | 21.12.2017   | 16.986,93                                                                              |
| 2702439         | 04.10.1994   | 16.982,00                                                                              |
| 2702438         | 30.09.1994   | -16.982,00                                                                             |
| 6000187067      | 21.06.2017   | -16.976,88                                                                             |
| 9515474500      | 20.12.2017   | 16.973,12                                                                              |
| 5200003902      | 31.07.2001   | 16.969,79                                                                              |
| 5200004056      | 01.08.2001   | -16.969,79                                                                             |
| 2784565         | 30.06.2000   | 16.962,20                                                                              |
| 2784566         | 03.07.2000   | -16.962,20                                                                             |
| 5200010751      | 30.06.2011   | -16.940,63                                                                             |
| 2787566         | 01.10.1993   | 16.931,07                                                                              |
| 2787565         | 30.09.1993   | -16.931,07                                                                             |
| 9515425248      | 29.11.2017   | 16.925,74                                                                              |
| 9515371446      | 07.11.2017   | 16.894,08                                                                              |
| 9515397747      | 16.11.2017   | 16.860,00                                                                              |
| 5200004699      | 30.06.2005   | 16.859,73                                                                              |
| 2500000252      | 12.02.2013   | 16.843,87                                                                              |
| 2500000583      | 22.03.2013   | -16.843,87                                                                             |
| 9515456056      | 12.12.2017   | 16.830,88                                                                              |
| 2500003112      | 14.12.2007   | 16.821,98                                                                              |
| 9515442141      | 06.12.2017   | 16.819,66                                                                              |
| 9515366047      | 03.11.2017   | 16.812,45                                                                              |
| 9515395920      | 16.11.2017   | 16.800,00                                                                              |
| 9515329114      | 18.10.2017   | 16.782,70                                                                              |
| 9515422197      | 28.11.2017   | 16.749,18                                                                              |
| 5200005523      | 31.08.2010   | 16.739,63                                                                              |

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| 5200007355      | 31.10.2009   | 16.728,59                                                                              |
| 2703146         | 01.11.1994   | 16.682,98                                                                              |
| 2703145         | 31.10.1994   | -16.682,98                                                                             |
| 5200009656      | 31.10.2001   | 16.677,18                                                                              |
| 5200010008      | 01.11.2001   | -16.677,18                                                                             |
| 6000110543      | 16.05.2005   | 16.674,92                                                                              |
| 9515310833      | 10.10.2017   | 16.646,36                                                                              |
| 9515320421      | 13.10.2017   | 16.637,80                                                                              |
| 9515443886      | 06.12.2017   | 16.632,94                                                                              |
| 9515445695      | 07.12.2017   | 16.625,13                                                                              |
| 9515280489      | 28.09.2017   | 16.621,61                                                                              |
| 9515395163      | 16.11.2017   | 16.605,16                                                                              |
| 6000184368      | 04.09.2002   | 16.603,47                                                                              |
| 2703983         | 01.12.1994   | 16.580,58                                                                              |
| 2703982         | 30.11.1994   | -16.580,58                                                                             |
| 5200000831      | 31.01.2008   | 16.543,88                                                                              |
| 2751812         | 01.04.1998   | 16.539,34                                                                              |
| 2751811         | 31.03.1998   | -16.539,34                                                                             |
| 9515339100      | 23.10.2017   | 16.519,47                                                                              |
| 9515371370      | 07.11.2017   | 16.506,78                                                                              |
| 2700768         | 01.07.1994   | 16.498,56                                                                              |
| 2700767         | 30.06.1994   | -16.498,56                                                                             |
| 9515371444      | 07.11.2017   | 16.498,08                                                                              |
| 9515425946      | 29.11.2017   | 16.486,40                                                                              |
| 2761645         | 30.11.1998   | 16.459,94                                                                              |
| 2761646         | 01.12.1998   | -16.459,94                                                                             |
| 2737488         | 31.03.1997   | 16.455,81                                                                              |
| 2737489         | 01.04.1997   | -16.455,81                                                                             |
| 9515471791      | 19.12.2017   | -16.452,29                                                                             |
| 9515457477      | 12.12.2017   | 16.442,88                                                                              |
| 5200017913      | 30.06.2013   | -16.430,04                                                                             |
| 9515476497      | 21.12.2017   | 16.416,33                                                                              |
| 9515384800      | 13.11.2017   | 16.401,99                                                                              |
| 9515399882      | 17.11.2017   | 16.389,99                                                                              |
| 2500003211      | 22.07.2002   | 16.381,27                                                                              |
| 9515473026      | 19.12.2017   | 16.366,80                                                                              |
| 5200013981      | 31.08.2011   | 16.354,15                                                                              |
| 5200041887      | 31.12.2017   | 16.353,41                                                                              |
| 5200041888      | 31.12.2017   | -16.353,41                                                                             |
| 9515316146      | 12.10.2017   | -16.353,41                                                                             |
| 5200008126      | 30.11.2008   | 16.353,13                                                                              |
| 9515464840      | 15.12.2017   | 16.344,11                                                                              |
| 6000173638      | 07.06.2017   | 16.313,10                                                                              |
| 9515457477      | 12.12.2017   | 16.305,60                                                                              |
| 2769247         | 31.05.1999   | 16.292,18                                                                              |
| 2769248         | 01.06.1999   | -16.292,18                                                                             |
| 5200002366      | 28.02.2003   | 16.290,13                                                                              |
| 9515427288      | 30.11.2017   | 16.286,56                                                                              |
| 6000137895      | 04.07.2002   | 16.271,49                                                                              |
| 9515459889      | 13.12.2017   | 16.248,36                                                                              |
| 9515422730      | 28.11.2017   | 16.223,76                                                                              |
| 5200002400      | 31.03.2008   | -16.220,54                                                                             |
| 2788167         | 01.12.1993   | 16.194,56                                                                              |
| 2788166         | 30.11.1993   | -16.194,56                                                                             |
| 5200001522      | 28.02.2010   | -16.194,09                                                                             |
| 2781345         | 31.03.2000   | 16.162,89                                                                              |
| 2781346         | 03.04.2000   | -16.162,89                                                                             |
| 5200011450      | 31.10.2004   | -16.139,48                                                                             |
| 2737774         | 31.03.1997   | 16.123,72                                                                              |
| 2737775         | 01.04.1997   | -16.123,72                                                                             |
| 2704907         | 31.03.2001   | 16.112,11                                                                              |

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| 2704908         | 01.04.2001   | -16.112,11                                                                             |
| 9515384826      | 13.11.2017   | 16.111,70                                                                              |
| 2743166         | 01.09.1997   | 16.106,09                                                                              |
| 2743165         | 31.08.1997   | -16.106,09                                                                             |
| 2765814         | 01.03.1999   | 16.095,91                                                                              |
| 2765813         | 28.02.1999   | -16.095,91                                                                             |
| 9515452454      | 11.12.2017   | 16.057,83                                                                              |
| 9515349770      | 26.10.2017   | 16.041,55                                                                              |
| 5200007620      | 31.12.2006   | 16.025,16                                                                              |
| 2500002387      | 26.11.2012   | 16.012,10                                                                              |
| 5200002078      | 31.03.2007   | 16.005,74                                                                              |
| 5200009781      | 31.08.2004   | 15.994,61                                                                              |
| 9515263156      | 21.09.2017   | 15.967,76                                                                              |
| 9515474279      | 20.12.2017   | 15.967,76                                                                              |
| 9515370877      | 07.11.2017   | 15.962,56                                                                              |
| 2500004964      | 31.10.2003   | 15.941,99                                                                              |
| 9515467001      | 15.12.2017   | 15.932,16                                                                              |
| 2789850         | 02.05.1994   | 15.928,40                                                                              |
| 2789849         | 30.04.1994   | -15.928,40                                                                             |
| 6000440029      | 16.12.2008   | -15.924,83                                                                             |
| 9515463955      | 14.12.2017   | 15.891,84                                                                              |
| 5200003470      | 31.03.2003   | -15.886,72                                                                             |
| 6000007511      | 11.01.2005   | 15.884,82                                                                              |
| 5200005766      | 30.09.2001   | 15.871,72                                                                              |
| 5200005925      | 01.10.2001   | -15.871,72                                                                             |
| 5200008223      | 30.11.2005   | -15.832,06                                                                             |
| 9515365114      | 03.11.2017   | 15.800,00                                                                              |
| 2789380         | 05.04.1994   | 15.769,86                                                                              |
| 2789379         | 31.03.1994   | -15.769,86                                                                             |
| 5200004058      | 30.06.2006   | -15.769,27                                                                             |
| 9515447136      | 07.12.2017   | 15.734,10                                                                              |
| 9515262548      | 21.09.2017   | 15.724,15                                                                              |
| 5200008605      | 31.12.2005   | -15.721,05                                                                             |
| 9515463946      | 14.12.2017   | 15.719,48                                                                              |
| 5200008614      | 31.12.2005   | 15.706,37                                                                              |
| 9515455193      | 12.12.2017   | 15.702,63                                                                              |
| 6000229291      | 30.06.2011   | -15.681,20                                                                             |
| 9515477997      | 21.12.2017   | 15.676,80                                                                              |
| 9515325610      | 17.10.2017   | 15.661,49                                                                              |
| 9515439029      | 05.12.2017   | 15.661,42                                                                              |
| 2725930         | 02.09.1996   | 15.649,74                                                                              |
| 2725929         | 31.08.1996   | -15.649,74                                                                             |
| 9515150246      | 01.08.2017   | 15.640,00                                                                              |
| 2743208         | 01.09.1997   | 15.593,59                                                                              |
| 2743207         | 31.08.1997   | -15.593,59                                                                             |
| 6000113520      | 03.06.2002   | 15.587,55                                                                              |
| 9515454075      | 11.12.2017   | 15.584,64                                                                              |
| 2789358         | 05.04.1994   | 15.571,76                                                                              |
| 2789357         | 31.03.1994   | -15.571,76                                                                             |
| 6000347162      | 30.10.2009   | -15.550,78                                                                             |
| 9514553245      | 11.11.2016   | 15.540,81                                                                              |
| 9515479269      | 22.12.2017   | 15.536,40                                                                              |
| 6000078772      | 12.03.2015   | -15.529,56                                                                             |
| 9515452159      | 11.12.2017   | 15.513,40                                                                              |
| 5000002229      | 31.12.2017   | 15.509,53                                                                              |
| 5200007487      | 31.10.2008   | -15.507,79                                                                             |
| 9515301852      | 06.10.2017   | 15.491,06                                                                              |
| 2745610         | 31.10.1997   | 15.484,25                                                                              |
| 2745611         | 03.11.1997   | -15.484,25                                                                             |
| 9515240530      | 12.09.2017   | 15.442,51                                                                              |
| 9515439084      | 05.12.2017   | 15.419,49                                                                              |

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| 9515435867      | 04.12.2017   | 15.411,54                                                                              |
| 9515450670      | 08.12.2017   | 15.393,65                                                                              |
| 5200013159      | 30.11.2003   | -15.391,96                                                                             |
| 2788169         | 01.12.1993   | 15.356,43                                                                              |
| 2788168         | 30.11.1993   | -15.356,43                                                                             |
| 6000048368      | 12.03.2003   | 15.354,81                                                                              |
| 2786962         | 31.08.2000   | 15.347,43                                                                              |
| 2786963         | 01.09.2000   | -15.347,43                                                                             |
| 9515452192      | 11.12.2017   | 15.344,66                                                                              |
| 5200005922      | 31.08.2009   | 15.334,99                                                                              |
| 6000004603      | 08.01.2009   | 15.326,06                                                                              |
| 5200006834      | 31.05.2004   | 15.298,69                                                                              |
| 9515432483      | 01.12.2017   | 15.298,24                                                                              |
| 9514909879      | 19.04.2017   | 15.254,78                                                                              |
| 5200005425      | 31.07.2005   | -15.250,98                                                                             |
| 5200027560      | 31.08.2017   | -15.247,14                                                                             |
| 9515463945      | 14.12.2017   | 15.246,00                                                                              |
| 9515364073      | 02.11.2017   | 15.232,80                                                                              |
| 5200001819      | 31.01.2002   | 15.216,49                                                                              |
| 5200001821      | 01.02.2002   | -15.216,49                                                                             |
| 6000353421      | 10.10.2008   | -15.203,97                                                                             |
| 2668192         | 01.06.1993   | 15.201,03                                                                              |
| 2668191         | 31.05.1993   | -15.201,03                                                                             |
| 9515473027      | 19.12.2017   | 15.180,48                                                                              |
| 9515405823      | 21.11.2017   | 15.177,63                                                                              |
| 9515420241      | 27.11.2017   | 15.171,81                                                                              |
| 5200004227      | 30.06.2010   | 15.167,77                                                                              |
| 2667378         | 01.05.1993   | 15.159,84                                                                              |
| 2667377         | 30.04.1993   | -15.159,84                                                                             |
| 9515429936      | 30.11.2017   | 15.142,19                                                                              |
| 9515459746      | 13.12.2017   | 15.142,19                                                                              |
| 2743167         | 31.08.1997   | 15.130,45                                                                              |
| 2743168         | 01.09.1997   | -15.130,45                                                                             |
| 2500002598      | 10.06.2003   | 15.114,94                                                                              |
| 5200005606      | 30.04.2004   | -15.097,78                                                                             |
| 2645139         | 31.07.1996   | 15.093,08                                                                              |
| 2645140         | 01.08.1996   | -15.093,08                                                                             |
| 9515461412      | 14.12.2017   | 15.087,09                                                                              |
| 9515377542      | 09.11.2017   | 15.080,74                                                                              |
| 9515383818      | 10.11.2017   | 15.080,00                                                                              |
| 9515356531      | 30.10.2017   | 15.080,00                                                                              |
| 2787850         | 01.11.1993   | 15.077,45                                                                              |
| 2787849         | 31.10.1993   | -15.077,45                                                                             |
| 6000043244      | 19.02.2007   | 15.076,40                                                                              |
| 6000100857      | 31.03.2010   | -15.072,65                                                                             |
| 9515364963      | 03.11.2017   | 15.054,35                                                                              |
| 9515339834      | 23.10.2017   | 15.033,60                                                                              |
| 5200002241      | 31.03.2010   | -15.021,05                                                                             |
| 5200012733      | 31.12.2004   | -15.020,12                                                                             |
| 2725944         | 02.09.1996   | 15.006,86                                                                              |
| 2725943         | 31.08.1996   | -15.006,86                                                                             |
| 5200000883      | 31.01.2005   | 15.002,79                                                                              |
| 9515459089      | 13.12.2017   | 15.000,00                                                                              |
| 5200008547      | 31.12.2008   | 14.998,90                                                                              |
| 2500003791      | 23.08.2002   | 14.995,11                                                                              |
| 9515412917      | 23.11.2017   | 14.985,00                                                                              |
| 2776178         | 31.10.1999   | 14.977,21                                                                              |
| 2776179         | 01.11.1999   | -14.977,21                                                                             |
| 9515373313      | 07.11.2017   | 14.956,52                                                                              |
| 5000001365      | 30.09.2017   | 14.949,98                                                                              |
| 5000001064      | 30.06.2017   | -14.949,98                                                                             |

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| 9515463947      | 14.12.2017   | 14.949,30                                                                              |
| 6000218402      | 08.07.2009   | 14.938,36                                                                              |
| 9515349770      | 26.10.2017   | 14.925,09                                                                              |
| 9515457479      | 12.12.2017   | 14.909,76                                                                              |
| 5000002229      | 31.12.2017   | 14.906,79                                                                              |
| 9514692893      | 18.01.2017   | 14.904,00                                                                              |
| 5200004828      | 31.07.2007   | -14.888,13                                                                             |
| 9515483133      | 29.12.2017   | 14.886,16                                                                              |
| 9515364897      | 03.11.2017   | 14.878,84                                                                              |
| 2744397         | 30.09.1997   | 14.852,32                                                                              |
| 2744398         | 01.10.1997   | -14.852,32                                                                             |
| 9515360798      | 01.11.2017   | 14.846,83                                                                              |
| 2781991         | 01.09.1992   | 14.841,02                                                                              |
| 2781943         | 31.08.1992   | -14.841,02                                                                             |
| 2778085         | 03.01.2000   | 14.807,27                                                                              |
| 2778084         | 31.12.1999   | -14.807,27                                                                             |
| 9515458172      | 13.12.2017   | 14.800,00                                                                              |
| 5200003810      | 31.05.2009   | -14.779,29                                                                             |
| 6000064728      | 18.03.2005   | 14.770,31                                                                              |
| 9515463946      | 14.12.2017   | 14.762,88                                                                              |
| 5000000874      | 30.06.2002   | 14.755,43                                                                              |
| 5000000871      | 30.06.2002   | -14.755,43                                                                             |
| 6000126865      | 14.04.2008   | 14.752,95                                                                              |
| 2787308         | 01.09.1993   | 14.747,92                                                                              |
| 2787307         | 31.08.1993   | -14.747,92                                                                             |
| 2755135         | 30.06.1998   | 14.745,68                                                                              |
| 2755136         | 01.07.1998   | -14.745,68                                                                             |
| 2704898         | 02.01.1995   | 14.743,38                                                                              |
| 2704897         | 31.12.1994   | -14.743,38                                                                             |
| 5200008511      | 30.04.2012   | 14.730,35                                                                              |
| 5000000854      | 30.06.2017   | 14.714,81                                                                              |
| 5000000556      | 31.03.2017   | -14.714,81                                                                             |
| 5200006172      | 30.09.2007   | 14.711,12                                                                              |
| 5200006229      | 30.09.2007   | -14.711,12                                                                             |
| 6000120228      | 23.06.2003   | 14.710,08                                                                              |
| 9514904027      | 18.04.2017   | 14.709,96                                                                              |
| 2500000097      | 16.02.2015   | -14.709,29                                                                             |
| 9515345600      | 25.10.2017   | 14.667,77                                                                              |
| 5200010234      | 30.04.2016   | 14.660,68                                                                              |
| 5200028297      | 30.11.2012   | -14.644,56                                                                             |
| 2737773         | 01.04.1997   | 14.635,12                                                                              |
| 2737772         | 31.03.1997   | -14.635,12                                                                             |
| 9515452909      | 11.12.2017   | 14.632,00                                                                              |
| 9515461836      | 14.12.2017   | 14.590,25                                                                              |
| 5200000757      | 31.01.2006   | 14.584,89                                                                              |
| 2722307         | 31.05.1996   | 14.576,33                                                                              |
| 2722308         | 03.06.1996   | -14.576,33                                                                             |
| 9515350148      | 26.10.2017   | 14.576,30                                                                              |
| 9515396017      | 16.11.2017   | 14.576,30                                                                              |
| 9515458434      | 13.12.2017   | 14.552,22                                                                              |
| 9515400144      | 17.11.2017   | 14.545,77                                                                              |
| 5200025796      | 30.09.2016   | -14.536,04                                                                             |
| 5000002229      | 31.12.2017   | 14.530,71                                                                              |
| 2787328         | 01.09.1993   | 14.519,27                                                                              |
| 2787327         | 31.08.1993   | -14.519,27                                                                             |
| 9515370140      | 06.11.2017   | 14.497,92                                                                              |
| 9515320494      | 13.10.2017   | 14.487,48                                                                              |
| 9515422000      | 28.11.2017   | 14.458,84                                                                              |
| 9515250055      | 15.09.2017   | 14.455,44                                                                              |
| 9515419183      | 27.11.2017   | 14.453,32                                                                              |
| 2752919         | 04.05.1998   | 14.452,94                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2752918         | 30.04.1998   | -14.452,94                                                                             |
| 9515473792      | 20.12.2017   | 14.445,82                                                                              |
| 9515392495      | 15.11.2017   | 14.424,00                                                                              |
| 6000007529      | 11.01.2005   | 14.410,11                                                                              |
| 9515336468      | 20.10.2017   | 14.403,50                                                                              |
| 9515443889      | 06.12.2017   | 14.396,32                                                                              |
| 2770568         | 01.07.1999   | 14.392,42                                                                              |
| 2770567         | 30.06.1999   | -14.392,42                                                                             |
| 5200004887      | 31.07.2010   | -14.382,65                                                                             |
| 5200003391      | 30.04.2005   | 14.349,80                                                                              |
| 9515312471      | 11.10.2017   | 14.339,74                                                                              |
| 2783449         | 01.10.1992   | 14.336,01                                                                              |
| 2783400         | 30.09.1992   | -14.336,01                                                                             |
| 6000263539      | 26.08.2013   | 14.314,43                                                                              |
| 5200002943      | 30.04.2010   | 14.313,21                                                                              |
| 9515438754      | 05.12.2017   | 14.278,69                                                                              |
| 2500003096      | 07.12.2006   | 14.257,15                                                                              |
| 2754041         | 02.06.1998   | 14.252,13                                                                              |
| 2754040         | 31.05.1998   | -14.252,13                                                                             |
| 6000355308      | 13.10.2008   | 14.229,80                                                                              |
| 2664965         | 01.02.1993   | 14.220,18                                                                              |
| 2664964         | 31.01.1993   | -14.220,18                                                                             |
| 6000324866      | 21.10.2013   | 14.212,57                                                                              |
| 9515431327      | 30.11.2017   | 14.200,22                                                                              |
| 9514774919      | 22.02.2017   | 14.198,47                                                                              |
| 9515452540      | 11.12.2017   | 14.197,45                                                                              |
| 9515377824      | 09.11.2017   | 14.184,11                                                                              |
| 9515412464      | 23.11.2017   | 14.184,11                                                                              |
| 2500000399      | 08.06.2015   | -14.182,67                                                                             |
| 6000194733      | 03.10.2003   | 14.163,54                                                                              |
| 9515469979      | 18.12.2017   | 14.158,08                                                                              |
| 9515446154      | 07.12.2017   | 14.156,19                                                                              |
| 9515361336      | 02.11.2017   | 14.153,48                                                                              |
| 5200007295      | 30.11.2006   | 14.132,97                                                                              |
| 6000078846      | 12.03.2015   | -14.109,88                                                                             |
| 9515454395      | 11.12.2017   | 14.105,25                                                                              |
| 5200011570      | 30.09.2002   | -14.080,40                                                                             |
| 9515405478      | 21.11.2017   | 14.077,02                                                                              |
| 9515418706      | 27.11.2017   | 14.074,29                                                                              |
| 2729476         | 02.12.1996   | 14.043,26                                                                              |
| 2729475         | 30.11.1996   | -14.043,26                                                                             |
| 9515442123      | 06.12.2017   | 14.034,53                                                                              |
| 5200003397      | 31.05.2006   | -14.028,92                                                                             |
| 9515362193      | 02.11.2017   | 14.022,40                                                                              |
| 9515099021      | 10.07.2017   | 14.014,56                                                                              |
| 6000141507      | 13.06.2006   | 13.991,56                                                                              |
| 5200010358      | 31.08.2002   | -13.988,29                                                                             |
| 9515398450      | 17.11.2017   | 13.987,48                                                                              |
| 9515479307      | 22.12.2017   | 13.974,60                                                                              |
| 9512998156      | 04.12.2014   | 13.972,50                                                                              |
| 9513123260      | 30.01.2015   | -13.972,50                                                                             |
| 9515435618      | 04.12.2017   | 13.958,96                                                                              |
| 9515463053      | 14.12.2017   | 13.956,75                                                                              |
| 9515463057      | 14.12.2017   | 13.943,74                                                                              |
| 9515415821      | 24.11.2017   | 13.930,40                                                                              |
| 9515471319      | 19.12.2017   | 13.908,60                                                                              |
| 5200006151      | 30.09.2010   | -13.885,40                                                                             |
| 9515122379      | 19.07.2017   | 13.868,37                                                                              |
| 2500005998      | 18.12.2002   | 13.868,22                                                                              |
| 9515185017      | 17.08.2017   | 13.866,21                                                                              |
| 5200006843      | 30.09.2005   | -13.860,52                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**Annex 19.2**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9515417047      | 24.11.2017   | 13.853,48                                                                              |
| 9515417048      | 24.11.2017   | 13.853,48                                                                              |
| 5200010764      | 30.06.2011   | 13.851,80                                                                              |
| 9515458520      | 13.12.2017   | 13.833,71                                                                              |
| 9515393298      | 15.11.2017   | 13.820,35                                                                              |
| 6000262494      | 22.08.2013   | 13.819,42                                                                              |
| 5200010232      | 30.04.2016   | -13.816,25                                                                             |
| 5200031273      | 30.11.2013   | 13.811,92                                                                              |
| 9515370876      | 07.11.2017   | 13.810,39                                                                              |
| 9514424285      | 15.09.2016   | 13.808,20                                                                              |
| 9515190754      | 21.08.2017   | 13.805,49                                                                              |
| 9515383557      | 10.11.2017   | 13.787,94                                                                              |
| 6000224673      | 30.06.2008   | -13.780,12                                                                             |
| 2789205         | 31.10.2000   | 13.763,82                                                                              |
| 2789206         | 01.11.2000   | -13.763,82                                                                             |
| 2500003316      | 29.07.2002   | 13.736,95                                                                              |
| 6000027181      | 10.02.2003   | 13.736,52                                                                              |
| 9515320592      | 13.10.2017   | 13.732,90                                                                              |
| 9515400234      | 17.11.2017   | 13.732,48                                                                              |
| 9515398666      | 17.11.2017   | 13.719,00                                                                              |
| 9515458171      | 13.12.2017   | 13.705,84                                                                              |
| 2780188         | 29.02.2000   | 13.702,45                                                                              |
| 2780189         | 01.03.2000   | -13.702,45                                                                             |
| 9515476392      | 21.12.2017   | 13.690,00                                                                              |
| 9515396200      | 16.11.2017   | 13.680,00                                                                              |
| 9515398402      | 17.11.2017   | 13.640,30                                                                              |
| 2500004141      | 22.09.2004   | 13.635,21                                                                              |
| 9515418795      | 27.11.2017   | 13.590,55                                                                              |
| 9513913582      | 21.01.2016   | 13.583,50                                                                              |
| 5200012370      | 31.07.2011   | 13.571,11                                                                              |
| 5200008521      | 30.04.2012   | -13.554,09                                                                             |
| 5200000799      | 31.01.2006   | -13.542,37                                                                             |
| 2738659         | 02.05.1997   | 13.502,42                                                                              |
| 2738658         | 30.04.1997   | -13.502,42                                                                             |
| 5200025485      | 31.10.2012   | -13.491,43                                                                             |
| 5200017913      | 30.06.2013   | 13.465,90                                                                              |
| 9515481645      | 28.12.2017   | 13.463,05                                                                              |
| 2742076         | 31.07.1997   | 13.455,28                                                                              |
| 2742077         | 01.08.1997   | -13.455,28                                                                             |
| 9515262858      | 21.09.2017   | 13.437,97                                                                              |
| 9515243635      | 13.09.2017   | 13.432,39                                                                              |
| 6000399916      | 11.12.2012   | 13.428,83                                                                              |
| 2664307         | 04.01.1993   | 13.427,76                                                                              |
| 2664306         | 31.12.1992   | -13.427,76                                                                             |
| 9515442285      | 06.12.2017   | 13.396,50                                                                              |
| 9515395332      | 16.11.2017   | 13.393,82                                                                              |
| 2500002235      | 24.05.2002   | 13.379,08                                                                              |
| 5200002837      | 28.02.2002   | 13.358,08                                                                              |
| 5200003011      | 01.03.2002   | -13.358,08                                                                             |
| 9515463054      | 14.12.2017   | 13.358,01                                                                              |
| 9515280386      | 28.09.2017   | 13.356,72                                                                              |
| 2704003         | 01.12.1994   | 13.345,49                                                                              |
| 2704002         | 30.11.1994   | -13.345,49                                                                             |
| 6000047106      | 09.02.2015   | -13.327,84                                                                             |
| 5200025803      | 30.09.2016   | 13.313,54                                                                              |
| 9515378535      | 09.11.2017   | 13.309,10                                                                              |
| 9515389258      | 14.11.2017   | 13.308,48                                                                              |
| 9515467957      | 18.12.2017   | 13.300,88                                                                              |
| 9515463054      | 14.12.2017   | 13.295,58                                                                              |
| 2749217         | 02.02.1998   | 13.286,28                                                                              |
| 2749216         | 31.01.1998   | -13.286,28                                                                             |

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| 9515405590      | 21.11.2017   | 13.281,56                                                                              |
| 6000303585      | 29.08.2008   | 13.279,30                                                                              |
| 9515400143      | 17.11.2017   | 13.270,83                                                                              |
| 2500002725      | 21.06.2002   | 13.265,12                                                                              |
| 2739688         | 02.06.1997   | 13.264,19                                                                              |
| 2739687         | 31.05.1997   | -13.264,19                                                                             |
| 9515373387      | 07.11.2017   | 13.242,96                                                                              |
| 9515373388      | 07.11.2017   | 13.242,96                                                                              |
| 5200006203      | 31.03.2012   | 13.239,24                                                                              |
| 2703702         | 28.02.2001   | 13.207,12                                                                              |
| 2703703         | 01.03.2001   | -13.207,12                                                                             |
| 2769725         | 31.05.1999   | 13.161,26                                                                              |
| 2769726         | 01.06.1999   | -13.161,26                                                                             |
| 9515401004      | 17.11.2017   | 13.141,44                                                                              |
| 9515392509      | 15.11.2017   | 13.114,40                                                                              |
| 9515474503      | 20.12.2017   | 13.114,40                                                                              |
| 5200007453      | 31.10.2005   | -13.114,22                                                                             |
| 6000260493      | 19.08.2015   | 13.078,68                                                                              |
| 9515481776      | 28.12.2017   | 13.072,30                                                                              |
| 9515353180      | 27.10.2017   | 13.069,40                                                                              |
| 9515458337      | 13.12.2017   | 13.069,03                                                                              |
| 9515454659      | 11.12.2017   | 13.053,50                                                                              |
| 9515325055      | 16.10.2017   | 13.053,40                                                                              |
| 9515364103      | 02.11.2017   | 13.053,40                                                                              |
| 9515424758      | 28.11.2017   | 13.053,40                                                                              |
| 9515472221      | 19.12.2017   | 13.051,58                                                                              |
| 6000187915      | 27.05.2011   | -13.048,93                                                                             |
| 9514032765      | 15.03.2016   | 13.048,00                                                                              |
| 9515455510      | 12.12.2017   | 13.031,43                                                                              |
| 2752920         | 30.04.1998   | 13.026,07                                                                              |
| 2752921         | 04.05.1998   | -13.026,07                                                                             |
| 9515481645      | 28.12.2017   | 13.023,11                                                                              |
| 9515414742      | 23.11.2017   | 13.021,26                                                                              |
| 2702587         | 31.01.2001   | 13.011,51                                                                              |
| 2702588         | 01.02.2001   | -13.011,51                                                                             |
| 2778988         | 31.01.2000   | 12.999,84                                                                              |
| 2778989         | 01.02.2000   | -12.999,84                                                                             |
| 5200008055      | 30.11.2009   | -12.981,95                                                                             |
| 6000208223      | 18.06.2008   | -12.972,27                                                                             |
| 9515477193      | 21.12.2017   | 12.970,00                                                                              |
| 6000171699      | 15.08.2002   | 12.963,91                                                                              |
| 9515483417      | 29.12.2017   | 12.956,74                                                                              |
| 2728269         | 31.10.1996   | 12.956,29                                                                              |
| 2728270         | 01.11.1996   | -12.956,29                                                                             |
| 5200014066      | 31.12.2003   | -12.955,40                                                                             |
| 2788147         | 01.12.1993   | 12.954,07                                                                              |
| 2788146         | 30.11.1993   | -12.954,07                                                                             |
| 2703178         | 01.11.1994   | 12.938,99                                                                              |
| 2703177         | 31.10.1994   | -12.938,99                                                                             |
| 9515452193      | 11.12.2017   | 12.938,01                                                                              |
| 5200004068      | 31.05.2005   | 12.932,36                                                                              |
| 9515335448      | 19.10.2017   | 12.931,32                                                                              |
| 9515052390      | 21.06.2017   | 12.927,10                                                                              |
| 9515366055      | 03.11.2017   | 12.920,75                                                                              |
| 5200006901      | 31.10.2007   | 12.918,26                                                                              |
| 2771029         | 30.06.1999   | 12.914,37                                                                              |
| 2771030         | 01.07.1999   | -12.914,37                                                                             |
| 9515366059      | 03.11.2017   | 12.911,00                                                                              |
| 9515451365      | 08.12.2017   | 12.900,00                                                                              |
| 9515457480      | 12.12.2017   | 12.890,88                                                                              |
| 9515481194      | 27.12.2017   | 12.877,82                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003135      | 30.04.2009   | 12.863,75                                                                              |
| 9515326188      | 17.10.2017   | 12.862,23                                                                              |
| 9515370142      | 06.11.2017   | 12.859,44                                                                              |
| 5200007430      | 31.10.2008   | 12.849,31                                                                              |
| 9515432427      | 01.12.2017   | 12.843,85                                                                              |
| 2500005841      | 19.12.2003   | -12.838,52                                                                             |
| 5200003413      | 31.05.2006   | 12.833,00                                                                              |
| 2717658         | 01.02.1996   | 12.826,27                                                                              |
| 2717657         | 31.01.1996   | -12.826,27                                                                             |
| 2500000583      | 24.07.2015   | 12.812,56                                                                              |
| 9515409788      | 22.11.2017   | 12.808,90                                                                              |
| 9515473032      | 19.12.2017   | 12.808,32                                                                              |
| 6000272310      | 06.12.2004   | 12.796,43                                                                              |
| 2787870         | 01.11.1993   | 12.787,85                                                                              |
| 2787869         | 31.10.1993   | -12.787,85                                                                             |
| 9515452411      | 11.12.2017   | 12.786,37                                                                              |
| 9515459018      | 13.12.2017   | 12.768,50                                                                              |
| 6000301557      | 21.09.2016   | 12.768,19                                                                              |
| 5200022881      | 31.08.2016   | -12.768,19                                                                             |
| 2731843         | 03.02.1997   | 12.766,23                                                                              |
| 2731842         | 31.01.1997   | -12.766,23                                                                             |
| 9515464817      | 15.12.2017   | 12.763,41                                                                              |
| 2757713         | 01.09.1998   | 12.754,96                                                                              |
| 2757712         | 31.08.1998   | -12.754,96                                                                             |
| 5200017080      | 31.07.2012   | 12.754,40                                                                              |
| 2788990         | 01.03.1994   | 12.741,92                                                                              |
| 2788989         | 28.02.1994   | -12.741,92                                                                             |
| 9515418738      | 27.11.2017   | 12.739,52                                                                              |
| 6000096483      | 27.03.2015   | -12.732,64                                                                             |
| 2727096         | 01.10.1996   | 12.731,32                                                                              |
| 2727095         | 30.09.1996   | -12.731,32                                                                             |
| 2786800         | 01.07.1993   | 12.729,56                                                                              |
| 2786799         | 30.06.1993   | -12.729,56                                                                             |
| 9515373314      | 07.11.2017   | 12.722,77                                                                              |
| 9515433862      | 01.12.2017   | 12.722,41                                                                              |
| 9515473032      | 19.12.2017   | 12.714,48                                                                              |
| 6000095481      | 27.03.2015   | -12.714,38                                                                             |
| 9515440334      | 05.12.2017   | 12.712,66                                                                              |
| 5200010237      | 30.04.2016   | 12.710,09                                                                              |
| 2700404         | 30.11.2000   | 12.685,92                                                                              |
| 2700405         | 01.12.2000   | -12.685,92                                                                             |
| 9515315823      | 12.10.2017   | 12.681,40                                                                              |
| 6000041292      | 06.02.2015   | -12.672,83                                                                             |
| 6000002693      | 04.01.2005   | -12.671,04                                                                             |
| 5200010541      | 30.09.2004   | 12.642,52                                                                              |
| 9515422661      | 28.11.2017   | 12.623,96                                                                              |
| 9515422487      | 28.11.2017   | 12.616,00                                                                              |
| 9515397726      | 16.11.2017   | 12.608,40                                                                              |
| 9515420311      | 27.11.2017   | 12.603,94                                                                              |
| 9515378276      | 09.11.2017   | 12.600,00                                                                              |
| 9515454404      | 11.12.2017   | 12.593,52                                                                              |
| 5200006209      | 31.03.2012   | -12.580,46                                                                             |
| 9515396198      | 16.11.2017   | -12.562,08                                                                             |
| 5200008605      | 31.12.2005   | 12.544,99                                                                              |
| 5200019029      | 30.11.2011   | 12.541,48                                                                              |
| 9515371116      | 07.11.2017   | 12.537,13                                                                              |
| 5200003712      | 29.02.2012   | -12.530,84                                                                             |
| 9514909874      | 19.04.2017   | 12.525,47                                                                              |
| 9515391215      | 14.11.2017   | 12.507,48                                                                              |
| 2788729         | 01.02.1994   | 12.500,73                                                                              |
| 2788728         | 31.01.1994   | -12.500,73                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9514868827      | 31.03.2017   | 12.500,36                                                                              |
| 9515464840      | 15.12.2017   | 12.498,19                                                                              |
| 9515455168      | 12.12.2017   | 12.496,80                                                                              |
| 9515473038      | 19.12.2017   | 12.484,80                                                                              |
| 9515418776      | 27.11.2017   | 12.483,00                                                                              |
| 9515430089      | 30.11.2017   | 12.461,09                                                                              |
| 9515368160      | 06.11.2017   | 12.425,54                                                                              |
| 6000298845      | 25.09.2013   | 12.421,19                                                                              |
| 5200005584      | 30.04.2004   | -12.421,01                                                                             |
| 2788430         | 03.01.1994   | 12.400,03                                                                              |
| 2788429         | 31.12.1993   | -12.400,03                                                                             |
| 5200009766      | 31.08.2004   | 12.398,47                                                                              |
| 5200003096      | 30.04.2008   | -12.389,28                                                                             |
| 5200003527      | 31.05.2006   | -12.374,15                                                                             |
| 9515425280      | 29.11.2017   | 12.363,86                                                                              |
| 5200006778      | 30.09.2008   | 12.362,27                                                                              |
| 5000000303      | 11.03.2009   | 12.349,17                                                                              |
| 9515452540      | 11.12.2017   | 12.327,32                                                                              |
| 9515478987      | 22.12.2017   | 12.325,50                                                                              |
| 5200008399      | 31.12.2009   | 12.318,65                                                                              |
| 9515374295      | 08.11.2017   | 12.300,33                                                                              |
| 9515319358      | 13.10.2017   | 12.289,56                                                                              |
| 9515335277      | 19.10.2017   | 12.271,10                                                                              |
| 2759371         | 31.07.1991   | 12.253,50                                                                              |
| 2759372         | 31.07.1991   | 12.253,50                                                                              |
| 2759370         | 31.07.1991   | -12.253,50                                                                             |
| 2759373         | 01.08.1991   | -12.253,50                                                                             |
| 9515371850      | 07.11.2017   | 12.250,00                                                                              |
| 5200003443      | 31.05.2007   | -12.220,54                                                                             |
| 5200000843      | 31.01.2010   | 12.208,82                                                                              |
| 9515455649      | 12.12.2017   | 12.197,12                                                                              |
| 5200000841      | 31.01.2009   | 12.194,52                                                                              |
| 9513381117      | 21.05.2015   | -12.169,50                                                                             |
| 9515452411      | 11.12.2017   | 12.168,54                                                                              |
| 9515403555      | 20.11.2017   | 12.165,97                                                                              |
| 9515432495      | 01.12.2017   | 12.156,20                                                                              |
| 5200011634      | 31.05.2012   | 12.147,10                                                                              |
| 4500007614      | 19.11.2002   | -12.146,49                                                                             |
| 6000025607      | 24.01.2014   | 12.095,20                                                                              |
| 2789185         | 31.10.2000   | 12.094,84                                                                              |
| 2789186         | 01.11.2000   | -12.094,84                                                                             |
| 2500000184      | 16.01.2004   | 12.091,96                                                                              |
| 2500001644      | 18.10.2013   | 12.090,97                                                                              |
| 9515433559      | 01.12.2017   | 12.090,00                                                                              |
| 9515476608      | 21.12.2017   | 12.079,36                                                                              |
| 9515364075      | 02.11.2017   | 12.067,50                                                                              |
| 9515363884      | 02.11.2017   | 12.058,90                                                                              |
| 9515463072      | 14.12.2017   | 12.050,77                                                                              |
| 9515468082      | 18.12.2017   | 12.040,19                                                                              |
| 2500003047      | 21.10.2005   | 12.013,34                                                                              |
| 9515468449      | 18.12.2017   | 12.003,50                                                                              |
| 9515218322      | 01.09.2017   | 11.991,18                                                                              |
| 9515384643      | 13.11.2017   | 11.945,00                                                                              |
| 9515446486      | 07.12.2017   | 11.936,45                                                                              |
| 9515312625      | 11.10.2017   | 11.931,71                                                                              |
| 2784855         | 02.11.1992   | 11.923,02                                                                              |
| 2784812         | 31.10.1992   | -11.923,02                                                                             |
| 5200003972      | 29.02.2016   | -11.919,67                                                                             |
| 9515463053      | 14.12.2017   | 11.911,85                                                                              |
| 9515325802      | 17.10.2017   | 11.904,40                                                                              |
| 5200004222      | 30.06.2010   | -11.902,02                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**Annex 19.2**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2764353         | 31.01.1999   | 11.894,53                                                                              |
| 2764354         | 01.02.1999   | -11.894,53                                                                             |
| 5200031281      | 30.11.2013   | -11.888,99                                                                             |
| 9515463946      | 14.12.2017   | 11.887,20                                                                              |
| 9515455417      | 12.12.2017   | 11.886,07                                                                              |
| 6000003377      | 07.01.2003   | 11.881,17                                                                              |
| 6000113945      | 11.04.2014   | -11.874,98                                                                             |
| 9515465513      | 15.12.2017   | 11.854,02                                                                              |
| 2722328         | 03.06.1996   | 11.853,28                                                                              |
| 2722327         | 31.05.1996   | -11.853,28                                                                             |
| 9515373399      | 07.11.2017   | 11.848,98                                                                              |
| 9515463950      | 14.12.2017   | 11.848,98                                                                              |
| 6000170848      | 28.05.2010   | -11.847,41                                                                             |
| 9515218322      | 01.09.2017   | 11.841,60                                                                              |
| 6000374457      | 30.11.2013   | 11.831,92                                                                              |
| 2500000981      | 10.12.2015   | -11.820,79                                                                             |
| 9515366119      | 03.11.2017   | 11.814,74                                                                              |
| 5200029008      | 31.10.2016   | 11.810,69                                                                              |
| 6000235772      | 06.07.2011   | -11.805,00                                                                             |
| 5200012738      | 31.12.2004   | 11.803,89                                                                              |
| 5200006162      | 30.09.2007   | 11.793,30                                                                              |
| 9515465058      | 15.12.2017   | 11.767,69                                                                              |
| 9515455168      | 12.12.2017   | 11.764,18                                                                              |
| 9515439130      | 05.12.2017   | 11.756,22                                                                              |
| 9515235469      | 08.09.2017   | 11.748,72                                                                              |
| 6000313414      | 25.12.2006   | 11.743,82                                                                              |
| 2740838         | 30.06.1997   | 11.743,67                                                                              |
| 2740839         | 01.07.1997   | -11.743,67                                                                             |
| 2787059         | 02.08.1993   | 11.740,97                                                                              |
| 2787058         | 31.07.1993   | -11.740,97                                                                             |
| 9515312444      | 11.10.2017   | 11.709,16                                                                              |
| 5200000820      | 31.01.2008   | -11.695,26                                                                             |
| 2500002018      | 01.04.2003   | 11.673,99                                                                              |
| 9515479249      | 22.12.2017   | 11.672,82                                                                              |
| 6000131158      | 07.07.2003   | 11.667,45                                                                              |
| 9515450509      | 08.12.2017   | 11.664,76                                                                              |
| 5200008235      | 30.11.2005   | -11.659,55                                                                             |
| 2600036225      | 22.03.2013   | 11.654,37                                                                              |
| 9515429964      | 30.11.2017   | 11.651,11                                                                              |
| 6000132767      | 30.05.2007   | -11.650,55                                                                             |
| 5200007621      | 31.12.2006   | -11.636,44                                                                             |
| 2701417         | 31.12.2000   | 11.627,55                                                                              |
| 2701418         | 01.01.2001   | -11.627,55                                                                             |
| 6000013928      | 12.01.2012   | -11.622,74                                                                             |
| 9515371106      | 07.11.2017   | 11.614,72                                                                              |
| 9515350934      | 26.10.2017   | 11.608,29                                                                              |
| 5200003977      | 29.02.2016   | 11.603,91                                                                              |
| 9515385342      | 13.11.2017   | 11.600,00                                                                              |
| 5200004665      | 30.04.2003   | -11.590,54                                                                             |
| 9515457471      | 12.12.2017   | 11.581,92                                                                              |
| 6000031506      | 29.01.2014   | 11.573,35                                                                              |
| 5200028527      | 31.10.2015   | 11.570,29                                                                              |
| 9515471732      | 19.12.2017   | -11.548,02                                                                             |
| 5200005581      | 30.04.2004   | -11.544,94                                                                             |
| 9515445443      | 07.12.2017   | 11.525,04                                                                              |
| 5200011570      | 30.09.2002   | 11.523,84                                                                              |
| 5200009323      | 31.07.2002   | 11.495,22                                                                              |
| 5200004881      | 31.07.2010   | -11.488,15                                                                             |
| 9515381585      | 10.11.2017   | 11.482,82                                                                              |
| 9515478561      | 21.12.2017   | -11.472,59                                                                             |
| 9515325870      | 17.10.2017   | 11.466,91                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9515435767      | 04.12.2017   | 11.464,84                                                                              |
| 9515267089      | 22.09.2017   | 11.460,40                                                                              |
| 9515455720      | 12.12.2017   | 11.460,00                                                                              |
| 9515461789      | 14.12.2017   | 11.455,64                                                                              |
| 2500002599      | 12.09.2005   | -11.453,37                                                                             |
| 9515456154      | 12.12.2017   | 11.448,72                                                                              |
| 5200015609      | 30.09.2011   | 11.436,81                                                                              |
| 9515240530      | 12.09.2017   | 11.434,52                                                                              |
| 5200007350      | 31.10.2009   | -11.430,06                                                                             |
| 9515452285      | 11.12.2017   | 11.429,50                                                                              |
| 9515256475      | 19.09.2017   | 11.428,43                                                                              |
| 9515302175      | 06.10.2017   | 11.419,84                                                                              |
| 9515478551      | 22.12.2017   | 11.400,80                                                                              |
| 9515452454      | 11.12.2017   | 11.400,71                                                                              |
| 9515477992      | 21.12.2017   | 11.400,00                                                                              |
| 5200003399      | 30.04.2005   | 11.398,78                                                                              |
| 5200004513      | 30.04.2003   | 11.395,12                                                                              |
| 5200003810      | 31.05.2009   | 11.389,81                                                                              |
| 9515326291      | 17.10.2017   | 11.388,96                                                                              |
| 9515381673      | 10.11.2017   | 11.388,96                                                                              |
| 9515462082      | 14.12.2017   | 11.388,96                                                                              |
| 9515402625      | 20.11.2017   | 11.380,00                                                                              |
| 9515353176      | 27.10.2017   | 11.375,87                                                                              |
| 2760749         | 01.09.1991   | 11.361,94                                                                              |
| 2760712         | 31.08.1991   | -11.361,94                                                                             |
| 2500003054      | 24.10.2005   | -11.356,39                                                                             |
| 52000041873     | 31.12.2017   | 11.355,78                                                                              |
| 52000041874     | 31.12.2017   | -11.355,78                                                                             |
| 6000085703      | 12.03.2012   | 11.352,15                                                                              |
| 5000002229      | 31.12.2017   | 11.332,47                                                                              |
| 9515368474      | 06.11.2017   | 11.323,50                                                                              |
| 9515381981      | 10.11.2017   | 11.323,50                                                                              |
| 9515265626      | 22.09.2017   | 11.321,13                                                                              |
| 9515471791      | 19.12.2017   | -11.310,43                                                                             |
| 9515442958      | 06.12.2017   | 11.303,50                                                                              |
| 5200001571      | 28.02.2009   | 11.303,29                                                                              |
| 9515384933      | 13.11.2017   | 11.300,54                                                                              |
| 9515443758      | 06.12.2017   | 11.287,39                                                                              |
| 9515463945      | 14.12.2017   | 11.286,00                                                                              |
| 9515409044      | 22.11.2017   | 11.280,38                                                                              |
| 5200011631      | 31.05.2012   | -11.274,69                                                                             |
| 6000043752      | 20.02.2007   | 11.268,92                                                                              |
| 9515363890      | 02.11.2017   | 11.268,00                                                                              |
| 9515401003      | 17.11.2017   | 11.268,00                                                                              |
| 2769263         | 31.05.1999   | 11.265,41                                                                              |
| 2769264         | 01.06.1999   | -11.265,41                                                                             |
| 6000346929      | 07.11.2013   | 11.256,62                                                                              |
| 2500000795      | 16.08.2016   | -11.253,13                                                                             |
| 2769715         | 31.05.1999   | 11.247,06                                                                              |
| 2769716         | 01.06.1999   | -11.247,06                                                                             |
| 6000205001      | 17.10.2003   | 11.238,45                                                                              |
| 5200006857      | 31.05.2004   | 11.219,68                                                                              |
| 2704915         | 31.03.2001   | 11.216,41                                                                              |
| 2704916         | 01.04.2001   | -11.216,41                                                                             |
| 2766919         | 01.04.1999   | 11.192,05                                                                              |
| 2766918         | 31.03.1999   | -11.192,05                                                                             |
| 6000173443      | 03.09.2003   | -11.185,65                                                                             |
| 9515221372      | 04.09.2017   | 11.170,34                                                                              |
| 2500000067      | 02.01.2004   | 11.162,90                                                                              |
| 2500000251      | 27.01.2009   | 11.161,15                                                                              |
| 9515478020      | 21.12.2017   | 11.159,82                                                                              |

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| 9515329948      | 18.10.2017   | 11.148,76                                                                              |
| 9515368531      | 06.11.2017   | 11.148,76                                                                              |
| 2788067         | 30.09.2000   | 11.144,19                                                                              |
| 2788068         | 02.10.2000   | -11.144,19                                                                             |
| 9515419183      | 27.11.2017   | 11.138,85                                                                              |
| 9515374125      | 08.11.2017   | 11.133,32                                                                              |
| 9515353180      | 27.10.2017   | 11.130,91                                                                              |
| 9513992612      | 26.02.2016   | 11.130,67                                                                              |
| 9515412557      | 23.11.2017   | 11.121,14                                                                              |
| 9515458441      | 13.12.2017   | 11.121,00                                                                              |
| 9515350935      | 26.10.2017   | 11.118,13                                                                              |
| 6000017851      | 29.01.2003   | 11.111,69                                                                              |
| 5200003906      | 31.03.2011   | -11.109,20                                                                             |
| 2700382         | 01.06.1994   | 11.103,49                                                                              |
| 2700381         | 31.05.1994   | -11.103,49                                                                             |
| 6000084776      | 11.03.2008   | -11.102,39                                                                             |
| 9515285043      | 29.09.2017   | 11.098,58                                                                              |
| 5200002595      | 31.03.2005   | -11.073,48                                                                             |
| 6000100342      | 26.04.2006   | 11.052,89                                                                              |
| 9515374125      | 08.11.2017   | 11.046,68                                                                              |
| 9515367826      | 06.11.2017   | 11.035,09                                                                              |
| 2500000646      | 20.08.2015   | 11.012,40                                                                              |
| 5200000744      | 31.01.2006   | 11.005,89                                                                              |
| 9515036607      | 13.06.2017   | 11.004,99                                                                              |
| 6000004473      | 09.01.2003   | 10.993,50                                                                              |
| 9515473037      | 19.12.2017   | 10.992,24                                                                              |
| 9515374243      | 08.11.2017   | 10.981,87                                                                              |
| 9513546733      | 04.08.2015   | -10.980,00                                                                             |
| 5200004887      | 31.07.2010   | 10.974,56                                                                              |
| 5200001305      | 28.02.2006   | -10.968,38                                                                             |
| 5200002677      | 31.01.2013   | 10.959,84                                                                              |
| 2500001205      | 08.05.2006   | 10.957,53                                                                              |
| 9515312471      | 11.10.2017   | 10.950,37                                                                              |
| 9515401014      | 17.11.2017   | 10.949,13                                                                              |
| 9515478012      | 21.12.2017   | 10.940,40                                                                              |
| 2786952         | 31.08.2000   | 10.937,01                                                                              |
| 2786953         | 01.09.2000   | -10.937,01                                                                             |
| 9515467805      | 18.12.2017   | 10.907,71                                                                              |
| 5200004299      | 31.03.2004   | 10.890,98                                                                              |
| 9515381600      | 10.11.2017   | 10.888,46                                                                              |
| 9515427802      | 30.11.2017   | 10.876,99                                                                              |
| 9515469977      | 18.12.2017   | 10.867,68                                                                              |
| 5200005528      | 31.08.2010   | 10.866,68                                                                              |
| 9515437839      | 04.12.2017   | 10.860,16                                                                              |
| 9515418795      | 27.11.2017   | 10.859,07                                                                              |
| 2757722         | 31.08.1998   | 10.855,12                                                                              |
| 2757723         | 01.09.1998   | -10.855,12                                                                             |
| 5000002229      | 31.12.2017   | 10.848,29                                                                              |
| 9515435425      | 04.12.2017   | 10.845,33                                                                              |
| 5200004142      | 30.06.2009   | -10.832,39                                                                             |
| 5200008349      | 30.11.2005   | 10.826,14                                                                              |
| 9515443039      | 06.12.2017   | 10.807,98                                                                              |
| 2738667         | 02.05.1997   | 10.799,88                                                                              |
| 2738666         | 30.04.1997   | -10.799,88                                                                             |
| 5200003798      | 31.05.2009   | 10.784,72                                                                              |
| 9515295158      | 04.10.2017   | -10.781,46                                                                             |
| 9515476876      | 21.12.2017   | 10.760,00                                                                              |
| 9515384933      | 13.11.2017   | 10.756,77                                                                              |
| 2774422         | 01.09.1999   | 10.742,60                                                                              |
| 2775264         | 01.10.1999   | -10.742,60                                                                             |
| 9515405653      | 21.11.2017   | 10.737,09                                                                              |

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| 5200023181      | 30.09.2014   | -10.733,56                                                                             |
| 9515353183      | 27.10.2017   | 10.730,59                                                                              |
| 6000400541      | 17.11.2008   | -10.716,19                                                                             |
| 6000153024      | 24.07.2002   | 10.715,69                                                                              |
| 9515420259      | 27.11.2017   | 10.714,17                                                                              |
| 2756518         | 31.07.1998   | 10.710,02                                                                              |
| 2756519         | 03.08.1998   | -10.710,02                                                                             |
| 9515371853      | 07.11.2017   | 10.706,68                                                                              |
| 2500001556      | 19.12.2014   | -10.696,00                                                                             |
| 2500005641      | 10.12.2003   | 10.693,96                                                                              |
| 2718965         | 01.03.1996   | 10.685,72                                                                              |
| 2718964         | 29.02.1996   | -10.685,72                                                                             |
| 9515408027      | 21.11.2017   | 10.683,36                                                                              |
| 6000125272      | 30.06.2003   | 10.668,45                                                                              |
| 2736383         | 03.03.1997   | 10.643,59                                                                              |
| 2736382         | 28.02.1997   | -10.643,59                                                                             |
| 2779000         | 31.01.2000   | 10.618,80                                                                              |
| 2779001         | 01.02.2000   | -10.618,80                                                                             |
| 2745574         | 31.10.1997   | 10.615,60                                                                              |
| 2745575         | 03.11.1997   | -10.615,60                                                                             |
| 2500002036      | 15.07.2005   | -10.615,13                                                                             |
| 9515443841      | 06.12.2017   | 10.599,59                                                                              |
| 9515463957      | 14.12.2017   | 10.594,00                                                                              |
| 5200012800      | 31.12.2004   | -10.584,27                                                                             |
| 2754042         | 31.05.1998   | 10.581,56                                                                              |
| 2754043         | 02.06.1998   | -10.581,56                                                                             |
| 9515376188      | 08.11.2017   | 10.575,79                                                                              |
| 9515408290      | 21.11.2017   | 10.569,90                                                                              |
| 9515409550      | 22.11.2017   | 10.563,50                                                                              |
| 9515466103      | 15.12.2017   | 10.562,96                                                                              |
| 9515456763      | 12.12.2017   | 10.560,68                                                                              |
| 6000383611      | 21.12.2007   | 10.560,11                                                                              |
| 5200003002      | 01.03.2002   | 10.552,49                                                                              |
| 5200002828      | 28.02.2002   | -10.552,49                                                                             |
| 9515356532      | 30.10.2017   | 10.532,64                                                                              |
| 9515465002      | 15.12.2017   | 10.525,28                                                                              |
| 9515374276      | 08.11.2017   | 10.519,70                                                                              |
| 9515385262      | 13.11.2017   | 10.517,48                                                                              |
| 9515421512      | 27.11.2017   | 10.509,50                                                                              |
| 6000119390      | 17.05.2006   | 10.507,04                                                                              |
| 9515389268      | 14.11.2017   | 10.500,00                                                                              |
| 6000037334      | 25.02.2003   | 10.498,34                                                                              |
| 6000267048      | 24.09.2007   | 10.493,42                                                                              |
| 9515390193      | 14.11.2017   | 10.485,69                                                                              |
| 9515336466      | 20.10.2017   | 10.481,90                                                                              |
| 9515381982      | 10.11.2017   | 10.481,90                                                                              |
| 9515366894      | 03.11.2017   | 10.471,68                                                                              |
| 2500000160      | 10.03.2015   | -10.466,62                                                                             |
| 9514868827      | 31.03.2017   | 10.457,13                                                                              |
| 9515087674      | 05.07.2017   | 10.456,36                                                                              |
| 6000016189      | 16.01.2014   | 10.437,71                                                                              |
| 5200009764      | 31.08.2004   | -10.431,80                                                                             |
| 6000172146      | 19.08.2002   | -10.430,90                                                                             |
| 5200005743      | 30.04.2004   | 10.430,67                                                                              |
| 9515433813      | 01.12.2017   | 10.421,43                                                                              |
| 9515368160      | 06.11.2017   | 10.413,38                                                                              |
| 5200004715      | 30.06.2005   | -10.411,22                                                                             |
| 9515298443      | 05.10.2017   | 10.410,28                                                                              |
| 9515284845      | 29.09.2017   | 10.379,70                                                                              |
| 9515368545      | 06.11.2017   | 10.375,80                                                                              |
| 5200011627      | 31.05.2012   | 10.365,68                                                                              |

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| 5000002229      | 31.12.2017   | 10.364,82                                                                              |
| 6000101376      | 27.03.2009   | -10.364,62                                                                             |
| 5200005583      | 30.04.2004   | -10.364,21                                                                             |
| 5200000764      | 31.01.2011   | 10.357,21                                                                              |
| 9515381487      | 10.11.2017   | 10.354,57                                                                              |
| 9515456017      | 12.12.2017   | 10.340,00                                                                              |
| 2706448         | 01.03.1995   | 10.339,75                                                                              |
| 2706447         | 28.02.1995   | -10.339,75                                                                             |
| 9514524915      | 31.10.2016   | 10.339,70                                                                              |
| 9515420316      | 27.11.2017   | 10.336,80                                                                              |
| 2777788         | 31.12.1999   | 10.334,91                                                                              |
| 2777789         | 03.01.2000   | -10.334,91                                                                             |
| 9515378277      | 09.11.2017   | 10.332,00                                                                              |
| 9515385244      | 13.11.2017   | 10.327,08                                                                              |
| 9514802221      | 06.03.2017   | 10.325,11                                                                              |
| 9515463951      | 14.12.2017   | 10.310,40                                                                              |
| 9515463948      | 14.12.2017   | 10.309,28                                                                              |
| 9515478813      | 22.12.2017   | 10.302,94                                                                              |
| 9515435467      | 04.12.2017   | 10.289,81                                                                              |
| 5200002587      | 31.03.2005   | 10.281,95                                                                              |
| 5200001302      | 28.02.2006   | 10.279,09                                                                              |
| 6000080403      | 31.03.2006   | -10.279,09                                                                             |
| 5200010528      | 30.09.2004   | -10.262,63                                                                             |
| 6000285966      | 02.12.2005   | -10.260,00                                                                             |
| 2730558         | 31.12.1996   | 10.241,12                                                                              |
| 2730559         | 02.01.1997   | -10.241,12                                                                             |
| 9515364897      | 03.11.2017   | 10.240,21                                                                              |
| 2788701         | 01.02.1994   | 10.221,01                                                                              |
| 2788700         | 31.01.1994   | -10.221,01                                                                             |
| 9515351988      | 26.10.2017   | 10.218,67                                                                              |
| 5200015605      | 30.09.2011   | 10.213,32                                                                              |
| 6000104914      | 08.04.2013   | -10.212,03                                                                             |
| 6000015806      | 20.01.2006   | -10.193,78                                                                             |
| 5200001410      | 28.02.2006   | 10.184,36                                                                              |
| 9515365031      | 03.11.2017   | 10.182,12                                                                              |
| 9515476225      | 21.12.2017   | 10.160,64                                                                              |
| 9515422516      | 28.11.2017   | 10.159,45                                                                              |
| 9515438738      | 05.12.2017   | 10.154,22                                                                              |
| 5200010101      | 30.09.2003   | 10.135,73                                                                              |
| 6000176591      | 27.07.2005   | -10.134,76                                                                             |
| 2775995         | 01.08.1992   | 10.127,17                                                                              |
| 2775957         | 31.07.1992   | -10.127,17                                                                             |
| 9512775010      | 10.09.2014   | -10.127,00                                                                             |
| 9515409551      | 22.11.2017   | 10.123,50                                                                              |
| 5200007916      | 31.12.2007   | -10.104,47                                                                             |
| 9515353506      | 27.10.2017   | 10.103,27                                                                              |
| 6000025879      | 09.02.2004   | 10.101,63                                                                              |
| 6000114690      | 15.04.2013   | -10.098,95                                                                             |
| 6000282981      | 10.09.2013   | 10.096,89                                                                              |
| 6000221217      | 07.07.2010   | -10.089,21                                                                             |
| 6000012989      | 20.01.2004   | 10.082,78                                                                              |
| 9515481869      | 28.12.2017   | 10.081,25                                                                              |
| 5200009769      | 31.03.2013   | 10.080,53                                                                              |
| 9515322482      | 16.10.2017   | 10.076,75                                                                              |
| 9515458131      | 13.12.2017   | 10.063,86                                                                              |
| 9515371116      | 07.11.2017   | 10.048,90                                                                              |
| 6000139397      | 03.07.2002   | 10.031,51                                                                              |
| 9515384861      | 13.11.2017   | 10.024,67                                                                              |
| 9515422089      | 28.11.2017   | 10.015,62                                                                              |
| 5200002079      | 31.01.2017   | -10.014,85                                                                             |
| 9515397758      | 16.11.2017   | 10.001,52                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**III. Other receivables from affiliated companies attributable to the Operating Unit Life Science**

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 5000002057      | 20.12.2017 | 16.666.666,67                                                                          |
| 5000002058      | 20.12.2017 | 16.666.666,67                                                                          |
| 5000002054      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002055      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002056      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002059      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002069      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002060      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002061      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002062      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002063      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002064      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002065      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002066      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002067      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002068      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002070      | 20.12.2017 | 3.333.333,33                                                                           |
| 5200042111      | 31.12.2017 | 380.500,37                                                                             |
| 5200042063      | 31.12.2017 | 232.111,99                                                                             |
| 5200042090      | 31.12.2017 | 230.855,81                                                                             |
| 5000002496      | 31.12.2017 | -167.757,06                                                                            |
| 5200042133      | 31.12.2017 | 144.563,50                                                                             |
| 5200042091      | 31.12.2017 | 142.713,53                                                                             |
| 5200042119      | 31.12.2017 | 108.168,98                                                                             |
| 5200042064      | 31.12.2017 | 95.191,20                                                                              |
| 5200042141      | 31.12.2017 | 93.566,24                                                                              |
| 5200042095      | 31.12.2017 | 72.596,53                                                                              |
| 5200042098      | 31.12.2017 | 60.564,11                                                                              |
| 5200042099      | 31.12.2017 | -57.313,14                                                                             |
| 5000002496      | 31.12.2017 | -50.867,84                                                                             |
| 5200042085      | 31.12.2017 | 47.385,60                                                                              |
| 5200042134      | 31.12.2017 | 45.820,16                                                                              |
| 5000002496      | 31.12.2017 | -38.441,67                                                                             |
| 5200042100      | 31.12.2017 | 38.356,69                                                                              |
| 5200042069      | 31.12.2017 | 33.443,35                                                                              |
| 5200042089      | 31.12.2017 | 30.724,71                                                                              |
| 5200042120      | 31.12.2017 | 27.467,77                                                                              |
| 5200042071      | 31.12.2017 | 24.908,59                                                                              |
| 5200042135      | 31.12.2017 | 22.767,05                                                                              |
| 5000002496      | 31.12.2017 | -22.568,45                                                                             |
| 5200042112      | 31.12.2017 | 21.192,20                                                                              |
| 5200042082      | 31.12.2017 | 19.265,46                                                                              |
| 5200042143      | 31.12.2017 | 18.733,59                                                                              |
| 5000002496      | 31.12.2017 | -13.083,56                                                                             |
| 5200042094      | 31.12.2017 | 10.208,00                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## IV. Other receivables from third-party companies attributable to the Operating Unit Life Science

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 4600001085      | 29.12.2017 | 1.842.700,39                                                                           |
| 5200042080      | 31.12.2017 | 1.034.889,76                                                                           |
| 6000009859      | 12.01.2016 | 474.527,63                                                                             |
| 4500000989      | 15.06.2016 | 245.267,18                                                                             |
| 5200042081      | 31.12.2017 | 226.629,22                                                                             |
| 4500002463      | 29.12.2017 | 110.439,14                                                                             |
| 5200007514      | 30.06.2002 | -32.044,32                                                                             |
| 5200000847      | 31.01.2009 | 28.747,04                                                                              |
| 5200001619      | 31.01.2002 | 25.671,09                                                                              |
| 5200001782      | 01.02.2002 | -25.671,09                                                                             |
| 5200008568      | 31.12.2008 | -25.225,06                                                                             |
| 6000128583      | 19.04.2016 | 25.000,00                                                                              |
| 6000185367      | 07.06.2016 | 25.000,00                                                                              |
| 6000194265      | 14.06.2016 | 25.000,00                                                                              |
| 7800009993      | 31.12.2017 | 24.612,36                                                                              |
| 5200002321      | 31.03.2009 | -22.925,34                                                                             |
| 4500001454      | 30.08.2017 | 22.828,92                                                                              |
| 5000000870      | 30.06.2002 | 20.517,29                                                                              |
| 5000000873      | 30.06.2002 | -20.517,29                                                                             |
| 4500000101      | 14.01.2016 | 20.298,90                                                                              |
| 4000100010      | 30.09.2002 | 20.105,05                                                                              |
| 5200037255      | 31.12.2001 | 20.099,45                                                                              |
| 4500004016      | 01.07.2002 | 19.349,46                                                                              |
| 4500000545      | 30.03.2016 | 18.022,17                                                                              |
| 5200010163      | 30.09.2003 | -17.151,33                                                                             |
| 5200007443      | 31.10.2008 | 16.737,94                                                                              |
| 5200006855      | 31.05.2002 | -16.510,51                                                                             |
| 5200005384      | 01.09.2001 | 16.417,23                                                                              |
| 5200005230      | 31.08.2001 | -16.417,23                                                                             |
| 5200005623      | 30.04.2002 | -16.400,80                                                                             |
| 5200005995      | 01.10.2001 | 16.173,38                                                                              |
| 5200005836      | 30.09.2001 | -16.173,38                                                                             |
| 5200002901      | 28.02.2002 | 15.748,41                                                                              |
| 5200003075      | 01.03.2002 | -15.748,41                                                                             |
| 4500002086      | 08.12.2016 | 15.587,78                                                                              |
| 2714111         | 01.11.1995 | 15.400,73                                                                              |
| 2714110         | 31.10.1995 | -15.400,73                                                                             |
| 4500001076      | 30.04.2009 | -13.845,18                                                                             |
| 2715171         | 01.12.1995 | 13.387,29                                                                              |
| 2715170         | 30.11.1995 | -13.387,29                                                                             |
| 5200036536      | 30.11.2001 | 13.295,56                                                                              |
| 5200036718      | 01.12.2001 | -13.295,56                                                                             |
| 4500001029      | 22.06.2016 | 12.996,70                                                                              |
| 7800008041      | 30.09.2017 | 12.826,56                                                                              |
| 6000348112      | 10.11.2015 | 12.312,00                                                                              |
| 6000218486      | 17.07.2017 | -12.274,24                                                                             |
| 5200010145      | 01.11.2001 | 12.243,64                                                                              |
| 5200009796      | 31.10.2001 | -12.243,64                                                                             |
| 2713231         | 02.10.1995 | 11.961,85                                                                              |
| 2713230         | 30.09.1995 | -11.961,85                                                                             |
| 5200003600      | 31.05.2010 | 11.550,66                                                                              |
| 2782370         | 30.04.2000 | 11.510,23                                                                              |
| 2782371         | 02.05.2000 | -11.510,23                                                                             |
| 5200003754      | 31.05.2009 | -11.440,11                                                                             |
| 2701482         | 01.01.2001 | 11.343,38                                                                              |
| 2701481         | 31.12.2000 | -11.343,38                                                                             |
| 5200036718      | 01.12.2001 | 11.182,42                                                                              |
| 5200036536      | 30.11.2001 | -11.182,42                                                                             |

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 2789261         | 31.10.2000 | 11.147,01                                                                              |
| 2789262         | 01.11.2000 | -11.147,01                                                                             |
| 6000323155      | 14.10.2016 | -11.067,40                                                                             |
| 5200004398      | 31.03.2002 | 10.623,03                                                                              |
| 6000252189      | 16.08.2017 | -10.432,62                                                                             |
| 5200007910      | 31.03.2016 | -10.180,04                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**V. Other receivables from employees attributable to the Operating Unit Life Science**

| <b>Document number</b> | <b>Date</b> | <b>Nominal value of the document item in Euro (pro rata, as the case may be)<sup>1</sup></b> |
|------------------------|-------------|----------------------------------------------------------------------------------------------|
| 5000000701             | 30.06.2015  | 101.151,87                                                                                   |
| 5000001831             | 31.12.2015  | -74.018,98                                                                                   |
| 5000001127             | 30.09.2015  | 45.561,99                                                                                    |
| 5000000701             | 30.06.2015  | 35.864,40                                                                                    |
| 4300160758             | 18.07.2016  | 19.913,63                                                                                    |
| 4300160757             | 18.07.2016  | 19.913,63                                                                                    |
| 4300160756             | 18.07.2016  | 19.913,63                                                                                    |
| 4300160754             | 18.07.2016  | 19.905,69                                                                                    |
| 5000000533             | 31.03.2017  | -18.219,62                                                                                   |
| 5000001443             | 30.09.2017  | 17.899,33                                                                                    |
| 5000002247             | 31.12.2017  | 15.790,72                                                                                    |
| 5000001086             | 30.09.2016  | 13.272,26                                                                                    |
| 5000000344             | 31.03.2015  | -11.715,76                                                                                   |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

### **Annex 20.3**

Inventories and other items of current assets Life Science

## Article number of the item of current assets according to accounting

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 1064008889 | 1015120000 | 5008920100 | 1006630000 | 2701990000 | 1370370000 | 1058829029 |
| 5021019010 | 1063969500 | 2740620000 | 2801010000 | 1200950500 | 1050409029 | 1126359025 |
| 1168855000 | 1048710000 | 1053039050 | 2795100000 | 1005505000 | 1069461000 | 1063980000 |
| 2768800000 | 2792000000 | 1012179025 | 2746750000 | 1196680000 | 1050610000 | 1184080020 |
| 1061439025 | 1084860000 | 1000302500 | 1093270001 | 1150930001 | 1730180002 | 2771390000 |
| 8106460000 | 1063869029 | 1076540000 | 2810770000 | 1012260000 | 1043659950 | 1037920000 |
| 2782040000 | 1049560000 | 2755170000 | 8014520000 | 1009832511 | 1022740000 | 1880051000 |
| 2773330000 | 2816790000 | 1001659025 | 1060544000 | 1041530001 | 2711360000 | 1020719910 |
| 2868830000 | 2731760000 | 1066499025 | 2758360000 | 1064470000 | 1054590500 | 5018900000 |
| 1103165000 | 2763700000 | 2868860000 | 2703720000 | 1031409028 | 2820040000 | 1017500000 |
| 2700420000 | 5008920000 | 1730170001 | 1065749029 | 2012440000 | 2750080000 | 1370180000 |
| 8106470000 | 8170819025 | 1051040000 | 1104260500 | 8047890000 | 8180560000 | 1065630000 |
| 1005909025 | 1063860000 | 2774670000 | 2820220000 | 2800700000 | 1011160000 | 1035839350 |
| 1064419025 | 1370120000 | 2775840000 | 8106470500 | 1012570000 | 1021609051 | 1106730000 |
| 1035839500 | 2009060000 | 1023039024 | 2759810000 | 1076530000 | 7434420210 | 2709940000 |
| 1168825000 | 2743800000 | 2777290000 | 1093030000 | 1072129025 | 1041490001 | 9661250000 |
| 1168815000 | 1004199050 | 1086430000 | 1053945000 | 2711280000 | 1059800000 | 1023761000 |
| 2803160000 | 1080870000 | 1018679025 | 1001629025 | 2796190000 | 8170430000 | 8210460000 |
| 1083869025 | 2902400000 | 2248580000 | 1004939025 | 1054650000 | 1080500000 | 2013850000 |
| 1066430000 | 1200790000 | 2868900000 | 2758720000 | 1065210000 | 1088000000 | 2816170000 |
| 2820250000 | 7434416030 | 2248590000 | 1051189825 | 5249500250 | 1061979010 | 2755190000 |
| 2730950000 | 1168835000 | 1084219025 | 2726090000 | 8170630000 | 2006360000 | 1064469029 |
| 2758310000 | 1041450001 | 2711500000 | 1108459050 | 1079780000 | 2802430000 | 1040919190 |
| 2707820000 | 2802420000 | 1088829025 | 1370380000 | 1066439025 | 1040900000 | 1063239029 |
| 2707820002 | 2820010000 | 1064829050 | 1054540500 | 2015920000 | 1145430001 | 1064040000 |
| 1082080000 | 1101100000 | 2778450000 | 2815840000 | 2744000000 | 1151612504 | 1160000500 |
| 1061439030 | 1050400000 | 2707820001 | 1066439026 | 1179270001 | 1059999029 | 2796300000 |
| 2820260000 | 1083869500 | 1191320000 | 1015440000 | 1093369025 | 2787650000 | 2759220000 |
| 1420029525 | 1011930000 | 1064000000 | 1091940001 | 2393790000 | 1139000000 | 1058820000 |
| 1245680000 | 2902410000 | 1021609050 | 1027900000 | 2803000000 | 7515130508 | 1064985000 |
| 2011470000 | 2816180000 | 2707820003 | 1063030000 | 1063460000 | 2802480000 | 2710280000 |
| 1200895000 | 1051010000 | 2742000000 | 1370980000 | 2320080000 | 1149950000 | 1008005008 |
| 2868810000 | 1200830000 | 1063499025 | 1054580500 | 1017950000 | 1420029029 | 1115679025 |
| 1061439026 | 2755180000 | 2802270000 | 1200785000 | 1066439500 | 1057150001 | 1000304000 |
| 2868820000 | 1000300000 | 7327559120 | 1083301000 | 2712048889 | 2796320000 | 1006810000 |
| 5000229025 | 1082190000 | 8170819010 | 1082199050 | 2750900000 | 1064829025 | 1048529500 |
| 7324411028 | 2093030000 | 1170909010 | 1009832500 | 1050329025 | 2320090000 | 1205960500 |
| 2019990000 | 2750150000 | 2796100000 | 1725809025 | 7515131008 | 2701870000 | 1063230000 |
| 1200795000 | 1005900000 | 1196698001 | 1064825000 | 1054595000 | 1065790000 | 1065679025 |
| 2802300000 | 1051019029 | 2805210000 | 1065749501 | 1064826026 | 1025050500 | 1039630000 |
| 1091910001 | 1001600000 | 1054630500 | 2012200000 | 1004199025 | 1147290001 | 1062819026 |
| 1048730000 | 8170819050 | 1370380100 | 2338570000 | 1145410001 | 2248420000 | 1371440000 |
| 1370049025 | 1171420000 | 2711390000 | 1021839018 | 2711410000 | 1039639025 | 1009958888 |
| 1168875000 | 2827630000 | 1022141000 | 1048520000 | 1005500000 | 1058669025 | 1169700001 |
| 1168845000 | 1098289029 | 2814480000 | 1021199025 | 2727630000 | 2800440000 | 2796070000 |
| 1200835000 | 2011480000 | 2848940000 | 1018160000 | 1115979500 | 1014060500 | 8520670000 |
| 1148945000 | 1124889025 | 1051530000 | 1064490000 | 2795110000 | 9661240000 | 1072410000 |
| 1024363600 | 2730400000 | 1370300000 | 1008949010 | 1002389950 | 1011820000 | 1040919025 |
| 2820280000 | 1082199012 | 1058860000 | 2760110000 | 2796170000 | 1010719025 | 1065859025 |
| 2750130000 | 1050990000 | 2789110000 | 2009220000 | 1000290000 | 1064475000 | 1049370000 |
| 1115979503 | 1005909027 | 1103175000 | 7545258140 | 1370429012 | 2740940000 | 1370100000 |
| 2723420000 | 7434411014 | 2711460000 | 2107730000 | 1063459026 | 1031409500 | 2782320000 |
| 2820270000 | 1063989500 | 1371820000 | 1169550001 | 2248700000 | 1012060000 | 1058299040 |
| 2730930000 | 1063989029 | 2759990000 | 1061439050 | 1008959010 | 1029829800 | 2750060000 |
| 2803170000 | 2139000000 | 2755178001 | 1064820000 | 7494615503 | 2762050000 | 1012980001 |
| 1005909026 | 2777530000 | 8189189025 | 2012240000 | 1725760000 | 1101300000 | 1065760000 |
| 2781850000 | 1002011000 | 1063490000 | 2744270000 | 1063080000 | 1062370000 | 1049280000 |
| 1103385000 | 1065780000 | 1059889050 | 1017509025 | 1054590000 | 1047310000 | 2705630000 |
| 2750310000 | 1050210000 | 1064410000 | 2703670000 | 2015960000 | 7656600025 | 2711350000 |
| 1124880000 | 1065739025 | 1011450000 | 1015090000 | 1370699010 | 1050760000 | 1048739025 |
| 2868850000 | 2796130000 | 1084849525 | 2725630000 | 1062659029 | 1080700000 | 1064660000 |
| 1084329029 | 2730430000 | 2007770000 | 1030260000 | 7914419035 | 8221560000 | 1245680010 |
| 2777420000 | 2756960000 | 1065740000 | 1083865000 | 1171030001 | 2730890000 | 9460730000 |
| 2710940000 | 1062359029 | 1000990000 | 2248570000 | 8182140000 | 1042190000 | 1005240000 |
| 5021010000 | 1004949025 | 2817190000 | 2804470000 | 1083829025 | 1370049012 | 2711680000 |
| 1050329050 | 2802420001 | 1048719029 | 2019500000 | 1088819025 | 2726280000 | 1102660500 |
| 1196690000 | 1001609025 | 1064480000 | 1008005000 | 2756760000 | 1051189025 | 1057010000 |
| 2713520000 | 1027870000 | 1593750000 | 1063469025 | 8191109010 | 1200870000 | 1071900000 |

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 1088020000 | 1008420000 | 1008240000 | 2802780000 | 2791620000 | 1008100000 | 1065789050 |
| 2802450000 | 1066630000 | 1095350001 | 2796040000 | 1055540001 | 1370419958 | 5008629025 |
| 2820110000 | 2755110000 | 1050339025 | 2900910000 | 2820030000 | 1049289050 | 1024050080 |
| 2796220000 | 1000020000 | 2816780000 | 1038761000 | 7545283020 | 2776650000 | 1054030500 |
| 1065140000 | 1371170000 | 1083460000 | 1370469012 | 7758630004 | 8190070000 | 2813090000 |
| 2804150000 | 1064826025 | 1017509050 | 1066690000 | 1092550500 | 2790497777 | 1075900000 |
| 1011420000 | 1049569029 | 1095350000 | 1047272500 | 2248690000 | 1092530000 | 1050999050 |
| 1020649500 | 1021840000 | 2804450000 | 2747138888 | 2816400000 | 1370209025 | 1082392500 |
| 2817320000 | 2006210000 | 8007950000 | 1064479029 | 1065859029 | 1000022500 | 1006820000 |
| 1063459025 | 8170320000 | 1002420000 | 1153890001 | 1056970000 | 2702390000 | 1009839025 |
| 1066439100 | 2009550000 | 2820100000 | 1370289950 | 7914419010 | 1031409026 | 1064699050 |
| 2712150000 | 1084211000 | 1145470001 | 1051519029 | 4808559950 | 1106600000 | 1007312511 |
| 1018060000 | 1042200000 | 2755200000 | 1041400001 | 2761360000 | 2758650000 | 2802750000 |
| 1016440000 | 2804780000 | 2728470000 | 1007780001 | 1027619025 | 7515130005 | 1107839025 |
| 1088830000 | 2715300000 | 8170321000 | 1050331000 | 1006639020 | 9575704139 | 7914419185 |
| 8024070000 | 2817310000 | 1058729029 | 1725749025 | 1009215000 | 1076670500 | 1027669025 |
| 1064009029 | 2725800000 | 1015141000 | 2727650000 | 2011210000 | 1000900000 | 1006649020 |
| 1024659525 | 1005192514 | 1198310000 | 1009876025 | 1009899024 | 1370329025 | 7484600100 |
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| 1004670500 | 1005240100 | 7327709847 | 1030870000 | 2008770000 | 1060182500 | 8512100000 |
| 1370119025 | 1011540000 | 1083820500 | 8086970000 | 7111160031 | 1047276190 | 2711710000 |
| 5427600001 | 7325310579 | 9667960000 | 1119319025 | 1370071000 | 8160130000 | 8059220000 |
| 1060499190 | 1027660000 | 7535310512 | 2757158888 | 1029759270 | 1400002500 | 1078060000 |
| 2802090000 | 1008649181 | 1018169500 | 2707308002 | 1084840000 | 1047610000 | 1017351000 |
| 1018342011 | 1010770000 | 1023919025 | 1034240025 | 1063579029 | 1051780500 | 1159370000 |
| 8206330000 | 2711508886 | 2767250000 | 1065350000 | 1013420500 | 7575711344 | 1054130500 |
| 2009670000 | 7762100002 | 1076650000 | 1003350500 | 1006391000 | 1880061000 | 1004951000 |
| 1147610001 | 1065785000 | 1163000002 | 1370979025 | 1115671000 | 1077170500 | 1119620000 |
| 4809109950 | 1730160002 | 1063459011 | 1049009029 | 1081179025 | 1137131000 | 9575710373 |
| 5008499025 | 1083258888 | 2765290000 | 1097480001 | 1041649025 | 1138250500 | 1139905000 |
| 1370200000 | 5008490000 | 8041460000 | 1730160001 | 1077125000 | 2555990000 | 1081019010 |
| 1005171000 | 1029939780 | 1246530000 | 1031321000 | 1068390000 | 8170549050 | 1121480010 |
| 1075330000 | 1004569026 | 1153480000 | 1064450000 | 7327559060 | 8206331000 | 1250720001 |
| 8205530000 | 1014242500 | 1124885000 | 8523460000 | 1004450000 | 1008570001 | 1196870001 |
| 8032090000 | 4807915000 | 1012069029 | 2725560000 | 1506610001 | 1060075000 | 1245688100 |
| 1068280000 | 8221100000 | 1081940002 | 1050650000 | 1011260500 | 1018720000 | 1020240001 |
| 8188729025 | 1147980001 | 1113550000 | 1095840001 | 1040300000 | 1000569960 | 1077430000 |
| 1035900010 | 1081070000 | 7325280010 | 1050619050 | 1055010000 | 1027905000 | 7327709947 |
| 2811280000 | 8008942500 | 1040941000 | 1022710000 | 8024100000 | 1167549010 | 1050639025 |
| 8170671000 | 1052220500 | 1083800100 | 1066570000 | 2711418886 | 1001280010 | 1099000001 |
| 1065759026 | 1015140250 | 1028390000 | 1040942500 | 7761080002 | 1109890500 | 1049359026 |
| 1009440000 | 1075589025 | 1107830000 | 2009590000 | 1054100500 | 2803890000 | 1003179200 |
| 2719020000 | 1039150500 | 1043682500 | 8000040000 | 1000631000 | 1091372500 | 1042060000 |
| 1064469025 | 1074280000 | 1051029029 | 1196090000 | 1060549010 | 7535311750 | 1102350500 |
| 7545278070 | 1010079010 | 1051520000 | 2710950000 | 1508920001 | 1007319025 | 1005191016 |
| 1031409400 | 8223390000 | 1058330000 | 1072670000 | 1096261000 | 4809499025 | 1021849020 |
| 8180790000 | 1108780000 | 1100790001 | 9575713730 | 1096760000 | 1003070000 | 4900500000 |
| 1056460001 | 2724490000 | 1062680250 | 1000700500 | 1093620000 | 8187099025 | 1370179012 |
| 1065090000 | 1050920000 | 1096669190 | 8170762500 | 1003129950 | 1370650000 | 1064005000 |
| 1029949270 | 2704940000 | 1009269190 | 1007650000 | 1049050000 | 7575711310 | 1105490500 |
| 1145980001 | 1066379025 | 1003172011 | 1018850000 | 1508390001 | 1118020000 | 1063849029 |
| 2754680000 | 8031290000 | 1250800001 | 1020929025 | 7575711107 | 2007140000 | 2816760000 |
| 1095400001 | 1027889025 | 1093180000 | 7327709014 | 1250810001 | 1091411000 | 1050500000 |
| 1018169029 | 1880720001 | 1072030105 | 1370609200 | 1090330500 | 1880052500 | 1088001000 |
| 2766350000 | 1116610001 | 2804980000 | 1006815000 | 1083390500 | 1027330000 | 1167545000 |
| 7464767250 | 1106200500 | 8003800000 | 2006769025 | 1169780001 | 1145380065 | 9662890000 |
| 7325258020 | 1023929025 | 1055000000 | 1063840000 | 1027910000 | 1121209029 | 1248020000 |
| 1115440000 | 1145660001 | 1370949010 | 7797990029 | 1142910000 | 1065129025 | 1071742500 |
| 1022760000 | 1009956025 | 1205940001 | 1154402500 | 1094061000 | 1104490500 | 1038000000 |
| 1028369029 | 1149790002 | 1087205000 | 1028326025 | 1004969011 | 1059991000 | 8223332501 |

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 7434420064 | 8146510000 | 1169890001 | 1323000001 | 1122190000 | 1000720500 | 7747559045 |
| 1370309150 | 8022959050 | 1017640001 | 1083892500 | 2801410000 | 1102590500 | 1137490001 |
| 1037960010 | 1006020002 | 7282970018 | 2812070000 | 8700160000 | 1014400000 | 8520120000 |
| 8170739050 | 7572190000 | 1250690001 | 9665120000 | 1043744000 | 1064829100 | 1058829500 |
| 1058659025 | 1028880000 | 1703260100 | 1137940001 | 1434009021 | 1101642500 | 1145390495 |
| 1145520003 | 1008929013 | 1047389010 | 1037000500 | 1171980001 | 1002449026 | 1080879050 |
| 1125880500 | 1048205000 | 9671009090 | 7656600806 | 8551280000 | 1028940500 | 1052710500 |
| 1370472500 | 1010471000 | 1055810001 | 1370969051 | 1507340001 | 1168550001 | 2730870000 |
| 1003662500 | 2012760000 | 8180530000 | 1035910050 | 1035620009 | 1086410001 | 2820020000 |
| 1003382500 | 1009582500 | 1060280009 | 2009690000 | 7292593012 | 1131260000 | 1017505000 |
| 8147250000 | 1092722500 | 1017040000 | 2008240000 | 8520500000 | 1039790500 | 7545289222 |
| 1065660500 | 1002410000 | 1027642500 | 1050630000 | 1043799950 | 9665050000 | 1103160100 |
| 1205950010 | 1016470500 | 1008059029 | 1010840000 | 1050339050 | 1084920500 | 2784180000 |
| 1067100001 | 2800900000 | 1060096025 | 1139019010 | 2711714444 | 1043020025 | 7545282010 |
| 1024451000 | 1880011000 | 7464760106 | 9661650000 | 1012090000 | 1056330001 | 1029370000 |
| 1737060001 | 1146790495 | 1145520001 | 1028329190 | 1070289375 | 1148330001 | 2810700000 |
| 5002591000 | 1370189025 | 7752540003 | 2019770000 | 1075539025 | 1508280001 | 1064481000 |
| 2711288886 | 1006331000 | 1058679029 | 1145440001 | 2765299025 | 1024409040 | 1049440000 |
| 1000142500 | 7545286020 | 8063730000 | 1509430001 | 1501670001 | 1025310001 | 1057070000 |
| 1172460001 | 1057500001 | 1370239800 | 8530190000 | 1008990000 | 1029502500 | 1065160000 |
| 1062350000 | 1064821000 | 1145490001 | 1021360001 | 1018459017 | 4571400000 | 1060149190 |
| 1147700001 | 1037680100 | 1028222500 | 1086842500 | 1148970001 | 1082191000 |            |
| 1054329025 | 1109910500 | 1098640001 | 1370319025 | 1509630001 | 7327709864 |            |
| 2711030000 | 7434410007 | 1009652500 | 1370969025 | 1015820100 | 1004940000 |            |
| 1200890100 | 8223221000 | 7545250616 | 1071495000 | 1301220002 | 1060700000 |            |
| 8045150000 | 2754030000 | 1074789190 | 1103290500 | 7839996071 | 7777293150 |            |

**Annex 21.4.a**  
Liabilities Life Science

## I. Trade accounts payable to third parties attributable to the Operating Unit Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200024734      | 01.08.2017   | 1.250.352,66                                                                           |
| 5200024190      | 31.07.2017   | -1.250.352,66                                                                          |
| 5200029832      | 01.11.2016   | 1.141.654,43                                                                           |
| 5200029383      | 31.10.2016   | -1.141.654,43                                                                          |
| 5200006264      | 01.03.2017   | 1.088.081,50                                                                           |
| 5200005725      | 28.02.2017   | -1.088.081,50                                                                          |
| 5200032151      | 01.10.2017   | 1.087.714,99                                                                           |
| 5200031598      | 30.09.2017   | -1.087.714,99                                                                          |
| 5200028468      | 01.09.2017   | 1.074.997,34                                                                           |
| 5200027912      | 31.08.2017   | -1.074.997,34                                                                          |
| 5200003015      | 01.02.2017   | 1.063.361,28                                                                           |
| 5200002469      | 31.01.2017   | -1.063.361,28                                                                          |
| 5200042080      | 31.12.2017   | 1.060.928,11                                                                           |
| 5200009422      | 01.04.2017   | 1.056.275,76                                                                           |
| 5200008890      | 31.03.2017   | -1.056.275,76                                                                          |
| 5200042183      | 31.12.2017   | -1.050.180,96                                                                          |
| 5200023620      | 01.09.2016   | 1.023.682,52                                                                           |
| 5200023162      | 31.08.2016   | -1.023.682,52                                                                          |
| 5200032817      | 01.12.2016   | 999.114,80                                                                             |
| 5200032353      | 30.11.2016   | -999.114,80                                                                            |
| 5200026791      | 01.10.2016   | 944.618,76                                                                             |
| 5200026338      | 30.09.2016   | -944.618,76                                                                            |
| 5200000393      | 01.01.2017   | 941.300,27                                                                             |
| 5200034300      | 31.12.2016   | -941.300,27                                                                            |
| 5200013979      | 01.05.2017   | 871.455,14                                                                             |
| 5200013429      | 30.04.2017   | -871.455,14                                                                            |
| 5200040428      | 01.12.2017   | 861.239,00                                                                             |
| 5200039883      | 30.11.2017   | -861.239,00                                                                            |
| 5200017635      | 01.07.2015   | 860.023,16                                                                             |
| 5200017283      | 30.06.2015   | -860.023,16                                                                            |
| 5200029196      | 01.11.2015   | 815.156,85                                                                             |
| 5200028788      | 31.10.2015   | -815.156,85                                                                            |
| 5200035959      | 01.11.2017   | 810.356,03                                                                             |
| 5200035408      | 31.10.2017   | -810.356,03                                                                            |
| 5200001770      | 01.02.2016   | 807.148,36                                                                             |
| 5200001286      | 31.01.2016   | -807.148,36                                                                            |
| 5200035822      | 01.11.2017   | 797.624,20                                                                             |
| 5200035271      | 31.10.2017   | -797.624,20                                                                            |
| 5200017598      | 01.08.2012   | 797.114,51                                                                             |
| 5200017312      | 31.07.2012   | -797.114,51                                                                            |
| 5200001776      | 01.02.2016   | 785.466,21                                                                             |
| 5200001292      | 31.01.2016   | -785.466,21                                                                            |
| 5200000302      | 01.01.2016   | 771.824,13                                                                             |
| 5200033588      | 31.12.2015   | -771.824,13                                                                            |
| 5200007063      | 01.04.2014   | 767.935,70                                                                             |
| 5200006659      | 31.03.2014   | -767.935,70                                                                            |
| 5200032167      | 01.10.2017   | 740.053,24                                                                             |
| 5200031614      | 30.09.2017   | -740.053,24                                                                            |
| 5200042324      | 31.12.2017   | -725.663,70                                                                            |
| 5200009075      | 01.05.2012   | 724.253,60                                                                             |
| 5200008797      | 30.04.2012   | -724.253,60                                                                            |
| 5200000423      | 01.01.2016   | 722.687,72                                                                             |
| 5200033709      | 31.12.2015   | -722.687,72                                                                            |
| 5200032141      | 01.12.2015   | 722.110,65                                                                             |
| 5200031738      | 30.11.2015   | -722.110,65                                                                            |
| 5200029859      | 01.11.2016   | 718.773,51                                                                             |
| 5200029410      | 31.10.2016   | -718.773,51                                                                            |
| 5200014946      | 01.06.2015   | 718.437,11                                                                             |
| 5200014556      | 31.05.2015   | -718.437,11                                                                            |
| 5200029191      | 01.11.2015   | 710.331,29                                                                             |
| 5200028783      | 31.10.2015   | -710.331,29                                                                            |
| 5200023728      | 01.09.2016   | 702.386,01                                                                             |
| 5200023270      | 31.08.2016   | -702.386,01                                                                            |
| 5200012070      | 01.05.2015   | 694.296,09                                                                             |
| 5200011657      | 30.04.2015   | -694.296,09                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200012123      | 01.06.2012   | 685.787,47                                                                             |
| 5200011849      | 31.05.2012   | -685.787,47                                                                            |
| 5200024716      | 01.08.2017   | 682.732,44                                                                             |
| 5200024172      | 31.07.2017   | -682.732,44                                                                            |
| 5200029027      | 01.12.2014   | 681.064,78                                                                             |
| 5200028664      | 30.11.2014   | -681.064,78                                                                            |
| 4300282714      | 24.11.2017   | 670.112,80                                                                             |
| 5200026383      | 01.10.2015   | 661.932,20                                                                             |
| 5200025969      | 30.09.2015   | -661.932,20                                                                            |
| 4300315822      | 13.12.2017   | 655.873,26                                                                             |
| 5200010975      | 01.05.2016   | 653.441,39                                                                             |
| 5200010498      | 30.04.2016   | -653.441,39                                                                            |
| 5200014658      | 01.06.2016   | 652.664,09                                                                             |
| 5200014190      | 31.05.2016   | -652.664,09                                                                            |
| 5200032828      | 01.12.2016   | 636.798,34                                                                             |
| 5200032364      | 30.11.2016   | -636.798,34                                                                            |
| 4300294649      | 07.12.2017   | 635.000,66                                                                             |
| 4300294650      | 06.12.2017   | 635.000,66                                                                             |
| 4300296188      | 06.12.2017   | 635.000,66                                                                             |
| 5200001765      | 01.02.2016   | 626.453,66                                                                             |
| 5200001281      | 31.01.2016   | -626.453,66                                                                            |
| 5200020775      | 01.08.2016   | 626.340,39                                                                             |
| 5200020310      | 31.07.2016   | -626.340,39                                                                            |
| 5200000295      | 01.01.2016   | 623.266,73                                                                             |
| 5200033581      | 31.12.2015   | -623.266,73                                                                            |
| 5200003026      | 01.02.2017   | 619.495,50                                                                             |
| 5200002480      | 31.01.2017   | -619.495,50                                                                            |
| 5200020657      | 01.08.2016   | 616.200,35                                                                             |
| 5200020192      | 31.07.2016   | -616.200,35                                                                            |
| 5200001548      | 01.02.2014   | 615.027,67                                                                             |
| 5200001179      | 31.01.2014   | -615.027,67                                                                            |
| 5200012520      | 01.06.2014   | 609.965,15                                                                             |
| 5200012075      | 31.05.2014   | -609.965,15                                                                            |
| 5200003180      | 01.02.2013   | 607.669,86                                                                             |
| 5200002841      | 31.01.2013   | -607.669,86                                                                            |
| 5200026903      | 01.10.2016   | 601.586,29                                                                             |
| 5200026450      | 30.09.2016   | -601.586,29                                                                            |
| 5200020249      | 01.09.2012   | 601.264,32                                                                             |
| 5200019963      | 31.08.2012   | -601.264,32                                                                            |
| 5200018000      | 01.06.2017   | 598.675,57                                                                             |
| 5200017446      | 31.05.2017   | -598.675,57                                                                            |
| 5200000475      | 01.01.2013   | 595.592,77                                                                             |
| 5200030858      | 31.12.2012   | -595.592,77                                                                            |
| 4300304451      | 11.12.2017   | -592.620,00                                                                            |
| 5200029266      | 01.11.2013   | 592.198,35                                                                             |
| 5200028925      | 31.10.2013   | -592.198,35                                                                            |
| 4500002478      | 29.12.2017   | -590.285,93                                                                            |
| 5200001906      | 01.02.2016   | 590.033,61                                                                             |
| 5200001422      | 31.01.2016   | -590.033,61                                                                            |
| 5200031801      | 01.12.2013   | 588.172,10                                                                             |
| 5200031446      | 30.11.2013   | -588.172,10                                                                            |
| 5200021706      | 01.07.2017   | 587.413,69                                                                             |
| 5200021155      | 30.06.2017   | -587.413,69                                                                            |
| 5200015474      | 01.07.2014   | 586.057,17                                                                             |
| 5200015046      | 30.06.2014   | -586.057,17                                                                            |
| 5200020345      | 01.08.2015   | 585.057,58                                                                             |
| 5200019978      | 31.07.2015   | -585.057,58                                                                            |
| 5200021718      | 01.07.2017   | 581.171,75                                                                             |
| 5200021167      | 30.06.2017   | -581.171,75                                                                            |
| 5200005620      | 01.03.2016   | 578.730,95                                                                             |
| 5200005106      | 29.02.2016   | -578.730,95                                                                            |
| 5200012515      | 01.06.2014   | 563.279,46                                                                             |
| 5200012070      | 31.05.2014   | -563.279,46                                                                            |
| 5200021303      | 01.08.2013   | 563.194,82                                                                             |
| 5200020948      | 31.07.2013   | -563.194,82                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008690      | 01.04.2016   | 560.135,63                                                                             |
| 5200008206      | 31.03.2016   | -560.135,63                                                                            |
| 5200000402      | 01.01.2017   | 559.446,44                                                                             |
| 5200034309      | 31.12.2016   | -559.446,44                                                                            |
| 5200000301      | 01.01.2016   | 558.620,39                                                                             |
| 5200033587      | 31.12.2015   | -558.620,39                                                                            |
| 5200009832      | 01.05.2014   | 556.333,29                                                                             |
| 5200009410      | 30.04.2014   | -556.333,29                                                                            |
| 5200001542      | 01.02.2014   | 554.500,23                                                                             |
| 5200001173      | 31.01.2014   | -554.500,23                                                                            |
| 5200020352      | 01.08.2015   | 550.622,11                                                                             |
| 5200019985      | 31.07.2015   | -550.622,11                                                                            |
| 5200029844      | 01.11.2016   | 547.341,35                                                                             |
| 5200029395      | 31.10.2016   | -547.341,35                                                                            |
| 5200040446      | 01.12.2017   | 545.638,46                                                                             |
| 5200039901      | 30.11.2017   | -545.638,46                                                                            |
| 5200040558      | 01.12.2017   | 544.809,13                                                                             |
| 5200040013      | 30.11.2017   | -544.809,13                                                                            |
| 5200028488      | 01.09.2017   | 543.682,50                                                                             |
| 5200027932      | 31.08.2017   | -543.682,50                                                                            |
| 5200004299      | 01.03.2014   | 537.461,17                                                                             |
| 5200003900      | 28.02.2014   | -537.461,17                                                                            |
| 5200029202      | 01.11.2015   | 534.963,70                                                                             |
| 5200028794      | 31.10.2015   | -534.963,70                                                                            |
| 5200021294      | 01.08.2013   | 533.925,79                                                                             |
| 5200020939      | 31.07.2013   | -533.925,79                                                                            |
| 5200007548      | 01.03.2013   | 532.857,79                                                                             |
| 5200007217      | 28.02.2013   | -532.857,79                                                                            |
| 5200021124      | 01.09.2014   | 526.947,19                                                                             |
| 5200020691      | 31.08.2014   | -526.947,19                                                                            |
| 4300312927      | 20.12.2017   | 522.864,39                                                                             |
| 5200029947      | 01.11.2016   | 522.336,60                                                                             |
| 5200029498      | 31.10.2016   | -522.336,60                                                                            |
| 5200021126      | 01.09.2014   | 514.999,09                                                                             |
| 5200020693      | 31.08.2014   | -514.999,09                                                                            |
| 5200021700      | 01.07.2017   | 510.744,66                                                                             |
| 5200021149      | 30.06.2017   | -510.744,66                                                                            |
| 5200015476      | 01.07.2014   | 500.912,24                                                                             |
| 5200015048      | 30.06.2014   | -500.912,24                                                                            |
| 5200009546      | 01.04.2017   | 498.006,30                                                                             |
| 5200009014      | 31.03.2017   | -498.006,30                                                                            |
| 5200042201      | 31.12.2017   | -496.062,07                                                                            |
| 2752185         | 31.03.1998   | 494.644,80                                                                             |
| 2752186         | 01.04.1998   | -494.644,80                                                                            |
| 5200000353      | 01.01.2014   | 493.240,59                                                                             |
| 5200033660      | 31.12.2013   | -493.240,59                                                                            |
| 5200024848      | 01.08.2017   | 490.690,51                                                                             |
| 5200024304      | 31.07.2017   | -490.690,51                                                                            |
| 5200017752      | 01.07.2015   | 489.735,69                                                                             |
| 5200017400      | 30.06.2015   | -489.735,69                                                                            |
| 5200032170      | 01.10.2017   | 487.784,94                                                                             |
| 5200031617      | 30.09.2017   | -487.784,94                                                                            |
| 5200018401      | 01.08.2014   | 487.453,78                                                                             |
| 5200017978      | 31.07.2014   | -487.453,78                                                                            |
| 5200021296      | 01.08.2013   | 483.918,51                                                                             |
| 5200020941      | 31.07.2013   | -483.918,51                                                                            |
| 4300315113      | 18.12.2017   | 480.715,07                                                                             |
| 2742498         | 31.07.1997   | 473.485,89                                                                             |
| 2742499         | 01.08.1997   | -473.485,89                                                                            |
| 5200035841      | 01.11.2017   | 466.354,60                                                                             |
| 5200035290      | 31.10.2017   | -466.354,60                                                                            |
| 2749125         | 31.01.1998   | 464.608,03                                                                             |
| 2749126         | 02.02.1998   | -464.608,03                                                                            |
| 4300215228      | 12.10.2017   | 461.081,66                                                                             |
| 5200000404      | 01.01.2017   | 460.639,13                                                                             |
| 5200034311      | 31.12.2016   | -460.639,13                                                                            |
| 5200015481      | 01.07.2014   | 458.562,24                                                                             |
| 5200015053      | 30.06.2014   | -458.562,24                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2741240         | 30.06.1997   | 456.913,89                                                                             |
| 2741241         | 01.07.1997   | -456.913,89                                                                            |
| 5200023909      | 01.09.2013   | 456.004,96                                                                             |
| 5200023557      | 31.08.2013   | -456.004,96                                                                            |
| 5200012513      | 01.06.2014   | 454.397,93                                                                             |
| 5200012068      | 31.05.2014   | -454.397,93                                                                            |
| 5200012061      | 01.05.2015   | 452.051,37                                                                             |
| 5200011648      | 30.04.2015   | -452.051,37                                                                            |
| 5200005614      | 01.03.2016   | 449.447,01                                                                             |
| 5200005100      | 29.02.2016   | -449.447,01                                                                            |
| 5200009834      | 01.05.2014   | 447.390,15                                                                             |
| 5200009412      | 30.04.2014   | -447.390,15                                                                            |
| 5200008684      | 01.04.2016   | 443.877,03                                                                             |
| 5200008200      | 31.03.2016   | -443.877,03                                                                            |
| 2530816         | 28.02.1998   | 441.969,49                                                                             |
| 2530817         | 02.03.1998   | -441.969,49                                                                            |
| 2532581         | 30.06.1998   | 438.270,38                                                                             |
| 2532582         | 01.07.1998   | -438.270,38                                                                            |
| 5200013996      | 01.05.2017   | 433.475,77                                                                             |
| 5200013446      | 30.04.2017   | -433.475,77                                                                            |
| 5200012124      | 01.06.2012   | 432.429,45                                                                             |
| 5200011850      | 31.05.2012   | -432.429,45                                                                            |
| 5200023106      | 01.09.2015   | 432.107,25                                                                             |
| 5200022727      | 31.08.2015   | -432.107,25                                                                            |
| 5200018399      | 01.08.2014   | 429.166,79                                                                             |
| 5200017976      | 31.07.2014   | -429.166,79                                                                            |
| 5200008679      | 01.04.2016   | 427.221,72                                                                             |
| 5200008195      | 31.03.2016   | -427.221,72                                                                            |
| 5200014674      | 01.06.2016   | 425.584,48                                                                             |
| 5200014206      | 31.05.2016   | -425.584,48                                                                            |
| 2739095         | 30.04.1997   | 423.967,16                                                                             |
| 2739096         | 02.05.1997   | -423.967,16                                                                            |
| 5200004669      | 01.03.2015   | 417.887,11                                                                             |
| 5200004239      | 28.02.2015   | -417.887,11                                                                            |
| 2753310         | 30.04.1998   | 417.703,34                                                                             |
| 2753311         | 04.05.1998   | -417.703,34                                                                            |
| 5200000309      | 01.01.2015   | 416.830,59                                                                             |
| 5200030984      | 31.12.2014   | -416.830,59                                                                            |
| 5200023721      | 01.10.2014   | 416.777,80                                                                             |
| 5200023396      | 30.09.2014   | -416.777,80                                                                            |
| 2743631         | 31.08.1997   | 416.519,62                                                                             |
| 2743632         | 01.09.1997   | -416.519,62                                                                            |
| 5200000352      | 01.01.2014   | 416.058,59                                                                             |
| 5200033659      | 31.12.2013   | -416.058,59                                                                            |
| 5200018017      | 01.06.2017   | 415.889,41                                                                             |
| 5200017463      | 31.05.2017   | -415.889,41                                                                            |
| 5200007059      | 01.04.2014   | 414.609,26                                                                             |
| 5200006655      | 31.03.2014   | -414.609,26                                                                            |
| 2748423         | 31.12.1997   | 413.708,30                                                                             |
| 2748424         | 02.01.1998   | -413.708,30                                                                            |
| 5200031795      | 01.12.2013   | 411.786,33                                                                             |
| 5200031440      | 30.11.2013   | -411.786,33                                                                            |
| 5200023725      | 01.10.2014   | 405.660,15                                                                             |
| 5200023400      | 30.09.2014   | -405.660,15                                                                            |
| 5200004294      | 01.03.2014   | 401.732,64                                                                             |
| 5200003895      | 28.02.2014   | -401.732,64                                                                            |
| 4300296846      | 06.12.2017   | 401.388,89                                                                             |
| 2532154         | 31.05.1998   | 399.207,80                                                                             |
| 2532155         | 02.06.1998   | -399.207,80                                                                            |
| 4300287588      | 22.11.2017   | 399.036,29                                                                             |
| 5200032285      | 01.10.2017   | 398.184,17                                                                             |
| 5200031732      | 30.09.2017   | -398.184,17                                                                            |
| 5200026378      | 01.10.2015   | 396.664,16                                                                             |
| 5200025964      | 30.09.2015   | -396.664,16                                                                            |
| 5200029127      | 01.12.2014   | 396.330,32                                                                             |
| 5200028764      | 30.11.2014   | -396.330,32                                                                            |
| 5200026802      | 01.10.2016   | 391.966,83                                                                             |
| 5200026349      | 30.09.2016   | -391.966,83                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023111      | 01.09.2015   | 391.728,28                                                                             |
| 5200022732      | 31.08.2015   | -391.728,28                                                                            |
| 5200014945      | 01.06.2015   | 390.864,42                                                                             |
| 5200014555      | 31.05.2015   | -390.864,42                                                                            |
| 5200018134      | 01.06.2017   | 389.300,64                                                                             |
| 5200017580      | 31.05.2017   | -389.300,64                                                                            |
| 5200009837      | 01.05.2014   | 387.422,28                                                                             |
| 5200009415      | 30.04.2014   | -387.422,28                                                                            |
| 5200020460      | 01.08.2015   | 386.877,26                                                                             |
| 5200020093      | 31.07.2015   | -386.877,26                                                                            |
| 5200021130      | 01.09.2014   | 386.846,90                                                                             |
| 5200020697      | 31.08.2014   | -386.846,90                                                                            |
| 5200008661      | 01.04.2016   | 385.893,59                                                                             |
| 5200008177      | 31.03.2016   | -385.893,59                                                                            |
| 5200029017      | 01.12.2014   | 385.488,65                                                                             |
| 5200028654      | 30.11.2014   | -385.488,65                                                                            |
| 5200006269      | 01.03.2017   | 383.556,19                                                                             |
| 5200005730      | 28.02.2017   | -383.556,19                                                                            |
| 5200000307      | 01.01.2015   | 382.258,48                                                                             |
| 5200030982      | 31.12.2014   | -382.258,48                                                                            |
| 5200007895      | 01.04.2015   | 381.794,41                                                                             |
| 5200007493      | 31.03.2015   | -381.794,41                                                                            |
| 5200026672      | 01.10.2013   | 379.092,11                                                                             |
| 5200026305      | 30.09.2013   | -379.092,11                                                                            |
| 5200014936      | 01.06.2015   | 378.732,67                                                                             |
| 5200014546      | 31.05.2015   | -378.732,67                                                                            |
| 5200018508      | 01.07.2013   | 378.427,47                                                                             |
| 5200018110      | 30.06.2013   | -378.427,47                                                                            |
| 5200023952      | 01.09.2013   | 378.338,59                                                                             |
| 5200023600      | 31.08.2013   | -378.338,59                                                                            |
| 5200021341      | 01.08.2013   | 378.261,95                                                                             |
| 5200020986      | 31.07.2013   | -378.261,95                                                                            |
| 5200029307      | 01.11.2013   | 378.252,85                                                                             |
| 5200028966      | 31.10.2013   | -378.252,85                                                                            |
| 5200013157      | 01.05.2013   | 378.229,02                                                                             |
| 5200015742      | 01.06.2013   | 378.229,02                                                                             |
| 5200031846      | 01.12.2013   | 378.229,02                                                                             |
| 5200012808      | 30.04.2013   | -378.229,02                                                                            |
| 5200015385      | 31.05.2013   | -378.229,02                                                                            |
| 5200031491      | 30.11.2013   | -378.229,02                                                                            |
| 4300298671      | 08.12.2017   | 378.073,70                                                                             |
| 5200032940      | 01.12.2016   | 377.692,30                                                                             |
| 5200032476      | 30.11.2016   | -377.692,30                                                                            |
| 5200018447      | 01.07.2013   | 377.636,48                                                                             |
| 5200018061      | 30.06.2013   | -377.636,48                                                                            |
| 2538423         | 30.06.1999   | 377.538,11                                                                             |
| 2538424         | 01.07.1999   | -377.538,11                                                                            |
| 5200029022      | 01.12.2014   | 374.396,16                                                                             |
| 5200028659      | 30.11.2014   | -374.396,16                                                                            |
| 2744843         | 30.09.1997   | 374.349,79                                                                             |
| 2744844         | 01.10.1997   | -374.349,79                                                                            |
| 4300314656      | 01.12.2017   | 373.441,19                                                                             |
| 5200018405      | 01.08.2014   | 372.811,49                                                                             |
| 5200017982      | 31.07.2014   | -372.811,49                                                                            |
| 5200018458      | 01.07.2013   | 371.945,38                                                                             |
| 5200018069      | 30.06.2013   | -371.945,38                                                                            |
| 2747224         | 30.11.1997   | 371.686,43                                                                             |
| 2747225         | 01.12.1997   | -371.686,43                                                                            |
| 5200007057      | 01.04.2014   | 371.121,17                                                                             |
| 5200006653      | 31.03.2014   | -371.121,17                                                                            |
| 2739621         | 31.05.1997   | 369.910,86                                                                             |
| 2739622         | 02.06.1997   | -369.910,86                                                                            |
| 5200023631      | 01.09.2016   | 369.903,36                                                                             |
| 5200023173      | 31.08.2016   | -369.903,36                                                                            |
| 5200009938      | 01.05.2014   | 367.572,20                                                                             |
| 5200009516      | 30.04.2014   | -367.572,20                                                                            |
| 5200012652      | 01.06.2014   | 366.699,00                                                                             |
| 5200012207      | 31.05.2014   | -366.699,00                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200028475      | 01.09.2017   | 364.662,42                                                                             |
| 5200027919      | 31.08.2017   | -364.662,42                                                                            |
| 5200021837      | 01.07.2017   | 363.820,53                                                                             |
| 5200021286      | 30.06.2017   | -363.820,53                                                                            |
| 5200026616      | 01.10.2013   | 362.153,85                                                                             |
| 5200026249      | 30.09.2013   | -362.153,85                                                                            |
| 5200020669      | 01.08.2016   | 361.215,89                                                                             |
| 5200020204      | 31.07.2016   | -361.215,89                                                                            |
| 4800068227      | 18.12.2017   | 359.533,25                                                                             |
| 4800069049      | 21.12.2017   | 359.533,25                                                                             |
| 4800069046      | 18.12.2017   | -359.533,25                                                                            |
| 5200000304      | 01.01.2015   | 359.258,39                                                                             |
| 5200030979      | 31.12.2014   | -359.258,39                                                                            |
| 5100127575      | 31.12.2017   | -358.447,81                                                                            |
| 5200007541      | 01.03.2013   | 358.170,83                                                                             |
| 5200007210      | 28.02.2013   | -358.170,83                                                                            |
| 5200026358      | 01.11.2014   | 356.458,24                                                                             |
| 5200026005      | 31.10.2014   | -356.458,24                                                                            |
| 5200029260      | 01.11.2013   | 355.311,63                                                                             |
| 5200028919      | 31.10.2013   | -355.311,63                                                                            |
| 5200000355      | 01.01.2014   | 354.111,77                                                                             |
| 5200033662      | 31.12.2013   | -354.111,77                                                                            |
| 2736774         | 28.02.1997   | 352.549,71                                                                             |
| 2736775         | 03.03.1997   | -352.549,71                                                                            |
| 5200029324      | 01.11.2015   | 350.507,04                                                                             |
| 5200028916      | 31.10.2015   | -350.507,04                                                                            |
| 5200021298      | 01.08.2013   | 350.320,01                                                                             |
| 5200020943      | 31.07.2013   | -350.320,01                                                                            |
| 5200031793      | 01.12.2013   | 350.303,00                                                                             |
| 5200031438      | 30.11.2013   | -350.303,00                                                                            |
| 5200014669      | 01.06.2016   | 348.692,49                                                                             |
| 5200014201      | 31.05.2016   | -348.692,49                                                                            |
| 5200006276      | 01.03.2017   | 346.997,44                                                                             |
| 5200005737      | 28.02.2017   | -346.997,44                                                                            |
| 5200032136      | 01.12.2015   | 345.363,53                                                                             |
| 5200031733      | 30.11.2015   | -345.363,53                                                                            |
| 5200035828      | 01.11.2017   | 343.951,11                                                                             |
| 5200035277      | 31.10.2017   | -343.951,11                                                                            |
| 5200032254      | 01.12.2015   | 342.748,10                                                                             |
| 5200031851      | 30.11.2015   | -342.748,10                                                                            |
| 5200009439      | 01.04.2017   | 342.602,30                                                                             |
| 5200008907      | 31.03.2017   | -342.602,30                                                                            |
| 5200029201      | 01.11.2015   | 342.509,00                                                                             |
| 5200028793      | 31.10.2015   | -342.509,00                                                                            |
| 4300287597      | 13.11.2017   | 341.261,81                                                                             |
| 5200020340      | 01.08.2015   | 339.828,06                                                                             |
| 5200019973      | 31.07.2015   | -339.828,06                                                                            |
| 5200026621      | 01.10.2013   | 338.368,58                                                                             |
| 5200026254      | 30.09.2013   | -338.368,58                                                                            |
| 5200022262      | 01.10.2012   | 338.076,45                                                                             |
| 5200021968      | 30.09.2012   | -338.076,45                                                                            |
| 5200026390      | 01.10.2015   | 335.800,68                                                                             |
| 5200025976      | 30.09.2015   | -335.800,68                                                                            |
| 5200023718      | 01.10.2014   | 335.680,31                                                                             |
| 5200023393      | 30.09.2014   | -335.680,31                                                                            |
| 4300306502      | 13.12.2017   | 335.038,06                                                                             |
| 5200029256      | 01.11.2013   | 334.793,46                                                                             |
| 5200028915      | 31.10.2013   | -334.793,46                                                                            |
| 5200007889      | 01.04.2015   | 334.149,52                                                                             |
| 5200007487      | 31.03.2015   | -334.149,52                                                                            |
| 5200021123      | 01.09.2014   | 331.650,65                                                                             |
| 5200020690      | 31.08.2014   | -331.650,65                                                                            |
| 2537450         | 30.04.1999   | 329.846,13                                                                             |
| 2537451         | 03.05.1999   | -329.846,13                                                                            |
| 5200016912      | 01.07.2016   | 329.757,71                                                                             |
| 5200016457      | 30.06.2016   | -329.757,71                                                                            |
| 5200032147      | 01.12.2015   | 329.596,33                                                                             |
| 5200031744      | 30.11.2015   | -329.596,33                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006280      | 01.03.2017   | 329.421,05                                                                             |
| 5200005741      | 28.02.2017   | -329.421,05                                                                            |
| 5200023724      | 01.10.2014   | 328.803,75                                                                             |
| 5200023399      | 30.09.2014   | -328.803,75                                                                            |
| 4300301784      | 06.12.2017   | 326.476,50                                                                             |
| 2737429         | 31.03.1997   | 326.113,41                                                                             |
| 2737430         | 01.04.1997   | -326.113,41                                                                            |
| 5200015066      | 01.06.2015   | 322.263,23                                                                             |
| 5200014676      | 31.05.2015   | -322.263,23                                                                            |
| 5200000520      | 01.01.2017   | 321.927,75                                                                             |
| 5200034427      | 31.12.2016   | -321.927,75                                                                            |
| 5200026362      | 01.11.2014   | 320.814,80                                                                             |
| 5200026009      | 31.10.2014   | -320.814,80                                                                            |
| 5200042192      | 31.12.2017   | -319.141,87                                                                            |
| 5200004668      | 01.03.2015   | 318.451,70                                                                             |
| 5200004238      | 28.02.2015   | -318.451,70                                                                            |
| 2543646         | 30.04.2000   | 317.356,06                                                                             |
| 2543647         | 02.05.2000   | -317.356,06                                                                            |
| 5200040433      | 01.12.2017   | 316.827,80                                                                             |
| 5200039888      | 30.11.2017   | -316.827,80                                                                            |
| 5200000434      | 01.01.2015   | 316.494,77                                                                             |
| 5200031109      | 31.12.2014   | -316.494,77                                                                            |
| 4300294614      | 07.12.2017   | 313.289,07                                                                             |
| 5200021255      | 01.09.2014   | 312.485,18                                                                             |
| 5200020822      | 31.08.2014   | -312.485,18                                                                            |
| 2746068         | 31.10.1997   | 311.464,94                                                                             |
| 2746069         | 03.11.1997   | -311.464,94                                                                            |
| 4300287391      | 13.11.2017   | 309.392,32                                                                             |
| 5200017647      | 01.07.2015   | 309.348,61                                                                             |
| 5200017295      | 30.06.2015   | -309.348,61                                                                            |
| 5200012071      | 01.05.2015   | 308.701,46                                                                             |
| 5200011658      | 30.04.2015   | -308.701,46                                                                            |
| 5200004207      | 01.03.2012   | 307.131,57                                                                             |
| 5200003935      | 29.02.2012   | -307.131,57                                                                            |
| 5200004198      | 01.03.2012   | 306.246,18                                                                             |
| 5200003926      | 29.02.2012   | -306.246,18                                                                            |
| 2537047         | 31.03.1999   | 305.133,89                                                                             |
| 2537048         | 01.04.1999   | -305.133,89                                                                            |
| 5200009068      | 01.05.2012   | 302.630,99                                                                             |
| 5200008790      | 30.04.2012   | -302.630,99                                                                            |
| 5200042188      | 31.12.2017   | -301.811,83                                                                            |
| 5200012062      | 01.05.2015   | 301.067,07                                                                             |
| 5200011649      | 30.04.2015   | -301.067,07                                                                            |
| 5200031792      | 01.12.2013   | 298.859,45                                                                             |
| 5200031437      | 30.11.2013   | -298.859,45                                                                            |
| 5200016923      | 01.07.2016   | 298.093,04                                                                             |
| 5200016468      | 30.06.2016   | -298.093,04                                                                            |
| 5200000290      | 01.01.2016   | 296.900,38                                                                             |
| 5200005609      | 01.03.2016   | 296.900,38                                                                             |
| 5200010992      | 01.05.2016   | 296.900,38                                                                             |
| 5200016927      | 01.07.2016   | 296.900,38                                                                             |
| 5200020674      | 01.08.2016   | 296.900,38                                                                             |
| 5200023634      | 01.09.2016   | 296.900,38                                                                             |
| 5200026807      | 01.10.2016   | 296.900,38                                                                             |
| 5200029849      | 01.11.2016   | 296.900,38                                                                             |
| 5200032833      | 01.12.2016   | 296.900,38                                                                             |
| 5200000409      | 01.01.2017   | 296.900,38                                                                             |
| 5200003033      | 01.02.2017   | 296.900,38                                                                             |
| 5200006285      | 01.03.2017   | 296.900,38                                                                             |
| 5200009443      | 01.04.2017   | 296.900,38                                                                             |
| 5200014001      | 01.05.2017   | 296.900,38                                                                             |
| 5200018022      | 01.06.2017   | 296.900,38                                                                             |
| 5200021723      | 01.07.2017   | 296.900,38                                                                             |
| 5200024739      | 01.08.2017   | 296.900,38                                                                             |
| 5200028492      | 01.09.2017   | 296.900,38                                                                             |
| 5200032174      | 01.10.2017   | 296.900,38                                                                             |
| 5200035845      | 01.11.2017   | 296.900,38                                                                             |
| 5200040452      | 01.12.2017   | 296.900,38                                                                             |

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| 5200033576      | 31.12.2015   | -296.900,38                                                                            |
| 5200005095      | 29.02.2016   | -296.900,38                                                                            |
| 5200010515      | 30.04.2016   | -296.900,38                                                                            |
| 5200016472      | 30.06.2016   | -296.900,38                                                                            |
| 5200020209      | 31.07.2016   | -296.900,38                                                                            |
| 5200023176      | 31.08.2016   | -296.900,38                                                                            |
| 5200026354      | 30.09.2016   | -296.900,38                                                                            |
| 5200029400      | 31.10.2016   | -296.900,38                                                                            |
| 5200032369      | 30.11.2016   | -296.900,38                                                                            |
| 5200034316      | 31.12.2016   | -296.900,38                                                                            |
| 5200002487      | 31.01.2017   | -296.900,38                                                                            |
| 5200005746      | 28.02.2017   | -296.900,38                                                                            |
| 5200008911      | 31.03.2017   | -296.900,38                                                                            |
| 5200013451      | 30.04.2017   | -296.900,38                                                                            |
| 5200017468      | 31.05.2017   | -296.900,38                                                                            |
| 5200021172      | 30.06.2017   | -296.900,38                                                                            |
| 5200024195      | 31.07.2017   | -296.900,38                                                                            |
| 5200027936      | 31.08.2017   | -296.900,38                                                                            |
| 5200031621      | 30.09.2017   | -296.900,38                                                                            |
| 5200035294      | 31.10.2017   | -296.900,38                                                                            |
| 5200039907      | 30.11.2017   | -296.900,38                                                                            |
| 5200042207      | 31.12.2017   | -296.900,38                                                                            |
| 5200012064      | 01.05.2015   | 296.455,01                                                                             |
| 5200011651      | 30.04.2015   | -296.455,01                                                                            |
| 4300302569      | 11.12.2017   | 296.111,25                                                                             |
| 5200004667      | 01.03.2015   | 293.714,89                                                                             |
| 5200004237      | 28.02.2015   | -293.714,89                                                                            |
| 5200011002      | 01.05.2016   | 291.930,40                                                                             |
| 5200010525      | 30.04.2016   | -291.930,40                                                                            |
| 5200000547      | 01.01.2013   | 291.058,83                                                                             |
| 5200030930      | 31.12.2012   | -291.058,83                                                                            |
| 5200009069      | 01.05.2012   | 287.185,72                                                                             |
| 5200008791      | 30.04.2012   | -287.185,72                                                                            |
| 5200012117      | 01.06.2012   | 285.616,13                                                                             |
| 5200011843      | 31.05.2012   | -285.616,13                                                                            |
| 5200032157      | 01.10.2017   | 284.977,54                                                                             |
| 5200031604      | 30.09.2017   | -284.977,54                                                                            |
| 5200028470      | 01.09.2017   | 284.189,94                                                                             |
| 5200027914      | 31.08.2017   | -284.189,94                                                                            |
| 5200010400      | 01.04.2013   | 283.459,93                                                                             |
| 5200010059      | 31.03.2013   | -283.459,93                                                                            |
| 5200000405      | 01.01.2017   | 283.375,83                                                                             |
| 5200034312      | 31.12.2016   | -283.375,83                                                                            |
| 5200004296      | 01.03.2014   | 283.365,06                                                                             |
| 5200003897      | 28.02.2014   | -283.365,06                                                                            |
| 2544031         | 31.05.2000   | 283.193,20                                                                             |
| 2544032         | 05.06.2000   | -283.193,20                                                                            |
| 5200005744      | 01.03.2016   | 283.124,46                                                                             |
| 5200005230      | 29.02.2016   | -283.124,46                                                                            |
| 5200017640      | 01.07.2015   | 282.837,42                                                                             |
| 5200017288      | 30.06.2015   | -282.837,42                                                                            |
| 5200042144      | 31.12.2017   | 282.243,02                                                                             |
| 5200042144      | 31.12.2017   | -282.243,02                                                                            |
| 5200004298      | 01.03.2014   | 281.118,61                                                                             |
| 5200003899      | 28.02.2014   | -281.118,61                                                                            |
| 5200032819      | 01.12.2016   | 280.619,66                                                                             |
| 5200032355      | 30.11.2016   | -280.619,66                                                                            |
| 5200014109      | 01.05.2017   | 276.688,77                                                                             |
| 5200013559      | 30.04.2017   | -276.688,77                                                                            |
| 5200026511      | 01.10.2015   | 276.381,87                                                                             |
| 5200026097      | 30.09.2015   | -276.381,87                                                                            |
| 4300307020      | 14.12.2017   | 276.232,65                                                                             |
| 5200003028      | 01.02.2017   | 275.951,70                                                                             |
| 5200002482      | 31.01.2017   | -275.951,70                                                                            |
| 5200018445      | 01.07.2013   | 274.128,40                                                                             |
| 5200018059      | 30.06.2013   | -274.128,40                                                                            |
| 5200012511      | 01.06.2014   | 274.013,46                                                                             |
| 5200012066      | 31.05.2014   | -274.013,46                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



**Annex 21.4.a**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031804      | 01.12.2013   | 273.371,17                                                                             |
| 5200031449      | 30.11.2013   | -273.371,17                                                                            |
| 5200026625      | 01.10.2013   | 273.015,56                                                                             |
| 5200026258      | 30.09.2013   | -273.015,56                                                                            |
| 5200029269      | 01.11.2013   | 272.978,38                                                                             |
| 5200028928      | 31.10.2013   | -272.978,38                                                                            |
| 5200001544      | 01.02.2014   | 272.651,90                                                                             |
| 5200001175      | 31.01.2014   | -272.651,90                                                                            |
| 5200023911      | 01.09.2013   | 272.104,82                                                                             |
| 5200023559      | 31.08.2013   | -272.104,82                                                                            |
| 5200004292      | 01.03.2014   | 271.691,92                                                                             |
| 5200003893      | 28.02.2014   | -271.691,92                                                                            |
| 5200024730      | 01.08.2017   | 271.484,94                                                                             |
| 5200024186      | 31.07.2017   | -271.484,94                                                                            |
| 5200031891      | 01.12.2013   | 270.818,50                                                                             |
| 5200031536      | 30.11.2013   | -270.818,50                                                                            |
| 5200013992      | 01.05.2017   | 269.283,04                                                                             |
| 5200013442      | 30.04.2017   | -269.283,04                                                                            |
| 5200042197      | 31.12.2017   | -268.477,27                                                                            |
| 5200018013      | 01.06.2017   | 267.774,23                                                                             |
| 5200017459      | 31.05.2017   | -267.774,23                                                                            |
| 5200028601      | 01.09.2017   | 266.524,89                                                                             |
| 5200028045      | 31.08.2017   | -266.524,89                                                                            |
| 4300294969      | 06.12.2017   | 266.439,91                                                                             |
| 5200015580      | 01.07.2014   | 265.287,86                                                                             |
| 5200015152      | 30.06.2014   | -265.287,86                                                                            |
| 5200015692      | 01.06.2013   | 264.734,23                                                                             |
| 5200015335      | 31.05.2013   | -264.734,23                                                                            |
| 5200023118      | 01.09.2015   | 264.565,25                                                                             |
| 5200022739      | 31.08.2015   | -264.565,25                                                                            |
| 2533048         | 31.07.1998   | 263.376,53                                                                             |
| 2756944         | 03.08.1998   | -263.376,53                                                                            |
| 5200022263      | 01.10.2012   | 260.520,04                                                                             |
| 5200021969      | 30.09.2012   | -260.520,04                                                                            |
| 2536470         | 28.02.1999   | 259.894,03                                                                             |
| 2536471         | 01.03.1999   | -259.894,03                                                                            |
| 2544399         | 30.06.2000   | 259.186,11                                                                             |
| 2544400         | 03.07.2000   | -259.186,11                                                                            |
| 5200010986      | 01.05.2016   | 257.661,35                                                                             |
| 5200010509      | 30.04.2016   | -257.661,35                                                                            |
| 5200040430      | 01.12.2017   | 257.060,69                                                                             |
| 5200039885      | 30.11.2017   | -257.060,69                                                                            |
| 2533487         | 31.08.1998   | 256.274,24                                                                             |
| 2533488         | 01.09.1998   | -256.274,24                                                                            |
| 5200014777      | 01.06.2016   | 256.135,86                                                                             |
| 5200014309      | 31.05.2016   | -256.135,86                                                                            |
| 5200000314      | 01.01.2015   | 255.036,41                                                                             |
| 5200030989      | 31.12.2014   | -255.036,41                                                                            |
| 5200014950      | 01.06.2015   | 254.430,54                                                                             |
| 5200014560      | 31.05.2015   | -254.430,54                                                                            |
| 5200013108      | 01.05.2013   | 253.434,82                                                                             |
| 5200012759      | 30.04.2013   | -253.434,82                                                                            |
| 5200026465      | 01.11.2014   | 252.399,18                                                                             |
| 5200026112      | 31.10.2014   | -252.399,18                                                                            |
| 4300309034      | 19.12.2017   | 251.400,00                                                                             |
| 5200042198      | 31.12.2017   | -250.526,51                                                                            |
| 5200040443      | 01.12.2017   | 249.288,43                                                                             |
| 5200039898      | 30.11.2017   | -249.288,43                                                                            |
| 5200028484      | 01.09.2017   | 248.881,33                                                                             |
| 5200027928      | 31.08.2017   | -248.881,33                                                                            |
| 5200012187      | 01.05.2015   | 246.261,39                                                                             |
| 5200011774      | 30.04.2015   | -246.261,39                                                                            |
| 2542793         | 29.02.2000   | 245.084,95                                                                             |
| 2542794         | 01.03.2000   | -245.084,95                                                                            |
| 5200009435      | 01.04.2017   | 244.857,74                                                                             |
| 5200008903      | 31.03.2017   | -244.857,74                                                                            |
| 5200014685      | 01.06.2016   | 242.639,40                                                                             |
| 5200014217      | 31.05.2016   | -242.639,40                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200029349      | 01.11.2013   | 242.118,77                                                                             |
| 5200029008      | 31.10.2013   | -242.118,77                                                                            |
| 4300294616      | 06.12.2017   | -241.825,77                                                                            |
| 5200006718      | 01.04.2012   | 238.780,90                                                                             |
| 5200006422      | 31.03.2012   | -238.780,90                                                                            |
| 5200018523      | 01.08.2014   | 237.553,36                                                                             |
| 5200018100      | 31.07.2014   | -237.553,36                                                                            |
| 2542282         | 31.01.2000   | 237.275,20                                                                             |
| 2542283         | 01.02.2000   | -237.275,20                                                                            |
| 5200014794      | 01.07.2012   | 236.890,25                                                                             |
| 5200014504      | 30.06.2012   | -236.890,25                                                                            |
| 5200013981      | 01.05.2017   | 236.819,66                                                                             |
| 5200013431      | 30.04.2017   | -236.819,66                                                                            |
| 4300311334      | 22.12.2017   | 236.550,00                                                                             |
| 5200008682      | 01.04.2016   | 236.275,00                                                                             |
| 5200008198      | 31.03.2016   | -236.275,00                                                                            |
| 5200017641      | 01.07.2015   | 235.949,08                                                                             |
| 5200017289      | 30.06.2015   | -235.949,08                                                                            |
| 4300278239      | 17.11.2017   | 235.793,04                                                                             |
| 5200032153      | 01.10.2017   | 234.769,43                                                                             |
| 5200031600      | 30.09.2017   | -234.769,43                                                                            |
| 4300304455      | 18.12.2017   | 233.316,99                                                                             |
| 4300315148      | 14.12.2017   | 233.316,99                                                                             |
| 5200007894      | 01.04.2015   | 232.703,54                                                                             |
| 5200007492      | 31.03.2015   | -232.703,54                                                                            |
| 5200042081      | 31.12.2017   | 232.331,32                                                                             |
| 5200024722      | 01.08.2017   | 231.839,34                                                                             |
| 5200024178      | 31.07.2017   | -231.839,34                                                                            |
| 5200017650      | 01.07.2015   | 231.053,53                                                                             |
| 5200017298      | 30.06.2015   | -231.053,53                                                                            |
| 4300294776      | 07.12.2017   | 228.637,18                                                                             |
| 4300294776      | 07.12.2017   | 228.637,18                                                                             |
| 4300294776      | 07.12.2017   | 228.637,18                                                                             |
| 5200023916      | 01.09.2013   | 227.882,33                                                                             |
| 5200023564      | 31.08.2013   | -227.882,33                                                                            |
| 5200020356      | 01.08.2015   | 226.900,00                                                                             |
| 5200019989      | 31.07.2015   | -226.900,00                                                                            |
| 5200010977      | 01.05.2016   | 224.197,14                                                                             |
| 5200010500      | 30.04.2016   | -224.197,14                                                                            |
| 5200017029      | 01.07.2016   | 223.492,61                                                                             |
| 5200016574      | 30.06.2016   | -223.492,61                                                                            |
| 5200020661      | 01.08.2016   | 223.286,23                                                                             |
| 5200020196      | 31.07.2016   | -223.286,23                                                                            |
| 5200014931      | 01.06.2015   | 222.904,08                                                                             |
| 5200014541      | 31.05.2015   | -222.904,08                                                                            |
| 5200017593      | 01.08.2012   | 221.941,29                                                                             |
| 5200017307      | 31.07.2012   | -221.941,29                                                                            |
| 4300298615      | 08.12.2017   | 220.106,76                                                                             |
| 4300298620      | 08.12.2017   | 220.106,76                                                                             |
| 4300298624      | 08.12.2017   | 220.106,76                                                                             |
| 4300298659      | 08.12.2017   | 220.106,76                                                                             |
| 4300298666      | 08.12.2017   | 220.106,76                                                                             |
| 4300298668      | 08.12.2017   | 220.106,76                                                                             |
| 5200002362      | 01.02.2015   | 218.994,88                                                                             |
| 5200001939      | 31.01.2015   | -218.994,88                                                                            |
| 5200007545      | 01.03.2013   | 218.831,65                                                                             |
| 5200007214      | 28.02.2013   | -218.831,65                                                                            |
| 5200011110      | 01.05.2016   | 217.725,09                                                                             |
| 5200010633      | 30.04.2016   | -217.725,09                                                                            |
| 5200000359      | 01.01.2014   | 217.383,92                                                                             |
| 5200033666      | 31.12.2013   | -217.383,92                                                                            |
| 5200029026      | 01.12.2014   | 216.481,93                                                                             |
| 5200028663      | 30.11.2014   | -216.481,93                                                                            |
| 5200023235      | 01.09.2015   | 215.834,70                                                                             |
| 5200022856      | 31.08.2015   | -215.834,70                                                                            |
| 5200003176      | 01.02.2013   | 215.473,24                                                                             |
| 5200002837      | 31.01.2013   | -215.473,24                                                                            |
| 5200018449      | 01.07.2013   | 215.416,12                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200018063      | 30.06.2013   | -215.416,12                                                                            |
| 2541885         | 31.12.1999   | 212.266,81                                                                             |
| 2541886         | 03.01.2000   | -212.266,81                                                                            |
| 2540925         | 30.11.1999   | 207.416,58                                                                             |
| 2540926         | 01.12.1999   | -207.416,58                                                                            |
| 5200001745      | 31.01.2015   | 207.312,97                                                                             |
| 5200004670      | 01.03.2015   | 206.702,33                                                                             |
| 5200004240      | 28.02.2015   | -206.702,33                                                                            |
| 5200003020      | 01.02.2017   | 205.585,41                                                                             |
| 5200002474      | 31.01.2017   | -205.585,41                                                                            |
| 5200000471      | 01.01.2013   | 204.255,04                                                                             |
| 5200030854      | 31.12.2012   | -204.255,04                                                                            |
| 5200026800      | 01.10.2016   | 204.237,01                                                                             |
| 5200026347      | 30.09.2016   | -204.237,01                                                                            |
| 5200000472      | 01.01.2013   | 203.351,73                                                                             |
| 5200030855      | 31.12.2012   | -203.351,73                                                                            |
| 2536112         | 31.01.1999   | 203.294,53                                                                             |
| 2536113         | 01.02.1999   | -203.294,53                                                                            |
| 5200029257      | 01.11.2013   | 200.773,17                                                                             |
| 5200028916      | 31.10.2013   | -200.773,17                                                                            |
| 5200028754      | 01.12.2012   | 200.348,48                                                                             |
| 5200028445      | 30.11.2012   | -200.348,48                                                                            |
| 5200042189      | 31.12.2017   | -200.006,32                                                                            |
| 5200026614      | 01.10.2013   | 198.036,68                                                                             |
| 5200026247      | 30.09.2013   | -198.036,68                                                                            |
| 5200002347      | 01.02.2012   | 197.295,09                                                                             |
| 5200002105      | 31.01.2012   | -197.295,09                                                                            |
| 4300304969      | 15.12.2017   | 196.945,00                                                                             |
| 4300304970      | 15.12.2017   | 196.945,00                                                                             |
| 5200032161      | 01.10.2017   | 196.294,34                                                                             |
| 5200031608      | 30.09.2017   | -196.294,34                                                                            |
| 5200016937      | 01.07.2016   | 196.167,15                                                                             |
| 5200020685      | 01.08.2016   | 196.167,15                                                                             |
| 5200016482      | 30.06.2016   | -196.167,15                                                                            |
| 5200020220      | 31.07.2016   | -196.167,15                                                                            |
| 5200007062      | 01.04.2014   | 195.167,01                                                                             |
| 5200006658      | 31.03.2014   | -195.167,01                                                                            |
| 5200010997      | 01.05.2016   | 193.523,28                                                                             |
| 5200010520      | 30.04.2016   | -193.523,28                                                                            |
| 5200035842      | 01.11.2017   | 193.369,22                                                                             |
| 5200035291      | 31.10.2017   | -193.369,22                                                                            |
| 5200013109      | 01.05.2013   | 192.978,14                                                                             |
| 5200012760      | 30.04.2013   | -192.978,14                                                                            |
| 5200040438      | 01.12.2017   | 192.628,20                                                                             |
| 5200039893      | 30.11.2017   | -192.628,20                                                                            |
| 5200010404      | 01.04.2013   | 191.875,45                                                                             |
| 5200010063      | 31.03.2013   | -191.875,45                                                                            |
| 4300310395      | 20.12.2017   | 191.560,25                                                                             |
| 5200002368      | 01.02.2015   | 191.359,96                                                                             |
| 5200001945      | 31.01.2015   | -191.359,96                                                                            |
| 5200007160      | 01.04.2014   | 191.016,13                                                                             |
| 5200006756      | 31.03.2014   | -191.016,13                                                                            |
| 5200001541      | 01.02.2014   | 189.998,05                                                                             |
| 5200001172      | 31.01.2014   | -189.998,05                                                                            |
| 5200017595      | 01.08.2012   | 188.961,90                                                                             |
| 5200017309      | 31.07.2012   | -188.961,90                                                                            |
| 5200001766      | 01.02.2016   | 188.001,22                                                                             |
| 5200001282      | 31.01.2016   | -188.001,22                                                                            |
| 5200014939      | 01.06.2015   | 187.764,71                                                                             |
| 5200014549      | 31.05.2015   | -187.764,71                                                                            |
| 5200008673      | 01.04.2016   | 187.498,03                                                                             |
| 5200008189      | 31.03.2016   | -187.498,03                                                                            |
| 4300293706      | 05.12.2017   | 187.215,00                                                                             |
| 2534876         | 30.11.1998   | 186.928,29                                                                             |
| 2534877         | 01.12.1998   | -186.928,29                                                                            |
| 4300294849      | 05.12.2017   | 186.804,49                                                                             |
| 5200010402      | 01.04.2013   | 184.884,06                                                                             |
| 5200010061      | 31.03.2013   | -184.884,06                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023643      | 01.09.2016   | 184.699,66                                                                             |
| 5200023185      | 31.08.2016   | -184.699,66                                                                            |
| 5200015472      | 01.07.2014   | 183.607,86                                                                             |
| 5200015044      | 30.06.2014   | -183.607,86                                                                            |
| 5200010407      | 01.04.2013   | 182.858,89                                                                             |
| 5200010066      | 31.03.2013   | -182.858,89                                                                            |
| 5200040434      | 01.12.2017   | 182.825,20                                                                             |
| 5200039889      | 30.11.2017   | -182.825,20                                                                            |
| 5200014944      | 01.06.2015   | 181.741,66                                                                             |
| 5200014554      | 31.05.2015   | -181.741,66                                                                            |
| 4500002467      | 29.12.2017   | -181.056,12                                                                            |
| 5200029265      | 01.11.2013   | 180.538,64                                                                             |
| 5200028924      | 31.10.2013   | -180.538,64                                                                            |
| 5200032162      | 01.10.2017   | 179.325,61                                                                             |
| 5200031609      | 30.09.2017   | -179.325,61                                                                            |
| 5200040442      | 01.12.2017   | 178.621,95                                                                             |
| 5200039897      | 30.11.2017   | -178.621,95                                                                            |
| 5200008678      | 01.04.2016   | 177.656,00                                                                             |
| 5200008194      | 31.03.2016   | -177.656,00                                                                            |
| 5200011476      | 30.04.2015   | -177.288,19                                                                            |
| 5200026816      | 01.10.2016   | 175.307,84                                                                             |
| 5200026363      | 30.09.2016   | -175.307,84                                                                            |
| 5200008008      | 01.04.2015   | 175.022,01                                                                             |
| 5200007606      | 31.03.2015   | -175.022,01                                                                            |
| 2540322         | 31.10.1999   | 174.879,15                                                                             |
| 2540323         | 01.11.1999   | -174.879,15                                                                            |
| 5200005619      | 01.03.2016   | 174.751,24                                                                             |
| 5200005105      | 29.02.2016   | -174.751,24                                                                            |
| 5200042185      | 31.12.2017   | -174.573,73                                                                            |
| 4300295585      | 21.12.2017   | 170.336,48                                                                             |
| 5200008680      | 01.04.2016   | 170.323,43                                                                             |
| 5200008196      | 31.03.2016   | -170.323,43                                                                            |
| 2539293         | 31.08.1999   | 167.001,87                                                                             |
| 2539294         | 01.09.1999   | -167.001,87                                                                            |
| 5200009831      | 01.05.2014   | 166.575,18                                                                             |
| 5200009409      | 30.04.2014   | -166.575,18                                                                            |
| 5200007543      | 01.03.2013   | 166.011,87                                                                             |
| 5200007212      | 28.02.2013   | -166.011,87                                                                            |
| 4300303533      | 13.12.2017   | 165.983,58                                                                             |
| 5200001769      | 01.02.2016   | 165.282,53                                                                             |
| 5200001285      | 31.01.2016   | -165.282,53                                                                            |
| 4300202405      | 24.08.2017   | 164.850,13                                                                             |
| 5200003022      | 01.02.2017   | 164.304,01                                                                             |
| 5200002476      | 31.01.2017   | -164.304,01                                                                            |
| 5200009066      | 01.05.2012   | 164.101,46                                                                             |
| 5200008788      | 30.04.2012   | -164.101,46                                                                            |
| 5200022259      | 01.10.2012   | 163.479,83                                                                             |
| 5200021965      | 30.09.2012   | -163.479,83                                                                            |
| 5200009140      | 01.05.2012   | 163.180,18                                                                             |
| 5200008862      | 30.04.2012   | -163.180,18                                                                            |
| 5200007886      | 01.04.2015   | 163.048,56                                                                             |
| 5200007484      | 31.03.2015   | -163.048,56                                                                            |
| 5200014684      | 01.06.2016   | 162.944,66                                                                             |
| 5200014216      | 31.05.2016   | -162.944,66                                                                            |
| 5200023720      | 01.10.2014   | 162.918,89                                                                             |
| 5200023395      | 30.09.2014   | -162.918,89                                                                            |
| 2533992         | 30.09.1998   | 161.182,49                                                                             |
| 2533993         | 01.10.1998   | -161.182,49                                                                            |
| 5200035837      | 01.11.2017   | 161.005,89                                                                             |
| 5200035286      | 31.10.2017   | -161.005,89                                                                            |
| 5200004202      | 01.03.2012   | 160.169,14                                                                             |
| 5200003930      | 29.02.2012   | -160.169,14                                                                            |
| 5200009070      | 01.05.2012   | 159.703,01                                                                             |
| 5200008792      | 30.04.2012   | -159.703,01                                                                            |
| 5200002363      | 01.02.2015   | 159.701,76                                                                             |
| 5200001940      | 31.01.2015   | -159.701,76                                                                            |
| 5200014660      | 01.06.2016   | 158.883,57                                                                             |
| 5200014192      | 31.05.2016   | -158.883,57                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2535795         | 31.12.1998   | 158.321,85                                                                             |
| 2535796         | 04.01.1999   | -158.321,85                                                                            |
| 5200021710      | 01.07.2017   | 156.954,51                                                                             |
| 5200021159      | 30.06.2017   | -156.954,51                                                                            |
| 5200002360      | 01.02.2015   | 156.775,39                                                                             |
| 5200001937      | 31.01.2015   | -156.775,39                                                                            |
| 2538880         | 31.07.1999   | 156.619,41                                                                             |
| 2538881         | 02.08.1999   | -156.619,41                                                                            |
| 2539792         | 30.09.1999   | 156.534,52                                                                             |
| 2539793         | 01.10.1999   | -156.534,52                                                                            |
| 5200010978      | 01.05.2016   | 155.930,16                                                                             |
| 5200010501      | 30.04.2016   | -155.930,16                                                                            |
| 5200015697      | 01.06.2013   | 155.263,58                                                                             |
| 5200015340      | 31.05.2013   | -155.263,58                                                                            |
| 5200032166      | 01.10.2017   | 154.594,64                                                                             |
| 5200031613      | 30.09.2017   | -154.594,64                                                                            |
| 5200031383      | 30.11.2015   | 154.306,39                                                                             |
| 5200003029      | 01.02.2017   | 153.607,92                                                                             |
| 5200002483      | 31.01.2017   | -153.607,92                                                                            |
| 5200008793      | 01.04.2016   | 152.845,96                                                                             |
| 5200008309      | 31.03.2016   | -152.845,96                                                                            |
| 5200018006      | 01.06.2017   | 152.828,30                                                                             |
| 5200017452      | 31.05.2017   | -152.828,30                                                                            |
| 5200004797      | 01.03.2015   | 152.766,50                                                                             |
| 5200004367      | 28.02.2015   | -152.766,50                                                                            |
| 5200029018      | 01.12.2014   | 152.409,28                                                                             |
| 5200028655      | 30.11.2014   | -152.409,28                                                                            |
| 5200029858      | 01.11.2016   | 151.545,04                                                                             |
| 5200032842      | 01.12.2016   | 151.545,04                                                                             |
| 5200000418      | 01.01.2017   | 151.545,04                                                                             |
| 5200003042      | 01.02.2017   | 151.545,04                                                                             |
| 5200006294      | 01.03.2017   | 151.545,04                                                                             |
| 5200009453      | 01.04.2017   | 151.545,04                                                                             |
| 5200014010      | 01.05.2017   | 151.545,04                                                                             |
| 5200018031      | 01.06.2017   | 151.545,04                                                                             |
| 5200021732      | 01.07.2017   | 151.545,04                                                                             |
| 5200024748      | 01.08.2017   | 151.545,04                                                                             |
| 5200028501      | 01.09.2017   | 151.545,04                                                                             |
| 5200032183      | 01.10.2017   | 151.545,04                                                                             |
| 5200035854      | 01.11.2017   | 151.545,04                                                                             |
| 5200040461      | 01.12.2017   | 151.545,04                                                                             |
| 5200029409      | 31.10.2016   | -151.545,04                                                                            |
| 5200032378      | 30.11.2016   | -151.545,04                                                                            |
| 5200034325      | 31.12.2016   | -151.545,04                                                                            |
| 5200002496      | 31.01.2017   | -151.545,04                                                                            |
| 5200005755      | 28.02.2017   | -151.545,04                                                                            |
| 5200008921      | 31.03.2017   | -151.545,04                                                                            |
| 5200013460      | 30.04.2017   | -151.545,04                                                                            |
| 5200017477      | 31.05.2017   | -151.545,04                                                                            |
| 5200021181      | 30.06.2017   | -151.545,04                                                                            |
| 5200024204      | 31.07.2017   | -151.545,04                                                                            |
| 5200027945      | 31.08.2017   | -151.545,04                                                                            |
| 5200031630      | 30.09.2017   | -151.545,04                                                                            |
| 5200035303      | 31.10.2017   | -151.545,04                                                                            |
| 5200039916      | 30.11.2017   | -151.545,04                                                                            |
| 5200042216      | 31.12.2017   | -151.545,04                                                                            |
| 5200020684      | 01.08.2016   | 151.204,00                                                                             |
| 5200020219      | 31.07.2016   | -151.204,00                                                                            |
| 5200006272      | 01.03.2017   | 150.863,79                                                                             |
| 5200005733      | 28.02.2017   | -150.863,79                                                                            |
| 5200021714      | 01.07.2017   | 150.769,58                                                                             |
| 5200021163      | 30.06.2017   | -150.769,58                                                                            |
| 4500001413      | 23.08.2017   | 150.346,29                                                                             |
| 5200006270      | 01.03.2017   | 149.773,88                                                                             |
| 5200005731      | 28.02.2017   | -149.773,88                                                                            |
| 4300298641      | 08.12.2017   | 149.213,64                                                                             |
| 5200000308      | 01.01.2015   | 148.859,23                                                                             |
| 5200030983      | 31.12.2014   | -148.859,23                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001768      | 01.02.2016   | 148.609,93                                                                             |
| 5200001284      | 31.01.2016   | -148.609,93                                                                            |
| 5200023623      | 01.09.2016   | 148.311,00                                                                             |
| 5200023165      | 31.08.2016   | -148.311,00                                                                            |
| 5200000351      | 01.01.2014   | 147.999,71                                                                             |
| 5200033658      | 31.12.2013   | -147.999,71                                                                            |
| 5200021307      | 01.08.2013   | 147.372,42                                                                             |
| 5200020952      | 31.07.2013   | -147.372,42                                                                            |
| 4300306898      | 16.12.2017   | 147.232,68                                                                             |
| 4300302998      | 12.12.2017   | 146.673,45                                                                             |
| 5200031800      | 01.12.2013   | 146.518,85                                                                             |
| 5200031445      | 30.11.2013   | -146.518,85                                                                            |
| 5200018465      | 01.07.2013   | 145.571,76                                                                             |
| 5200018073      | 30.06.2013   | -145.571,76                                                                            |
| 5200020243      | 01.09.2012   | 145.230,12                                                                             |
| 5200019957      | 31.08.2012   | -145.230,12                                                                            |
| 5200018018      | 01.06.2017   | 145.044,24                                                                             |
| 5200017464      | 31.05.2017   | -145.044,24                                                                            |
| 5200023920      | 01.09.2013   | 144.947,88                                                                             |
| 5200023568      | 31.08.2013   | -144.947,88                                                                            |
| 5200000291      | 01.01.2016   | 144.867,97                                                                             |
| 5200033577      | 31.12.2015   | -144.867,97                                                                            |
| 5200023825      | 01.10.2014   | 144.345,71                                                                             |
| 5200023500      | 30.09.2014   | -144.345,71                                                                            |
| 5200014679      | 01.06.2016   | 143.839,42                                                                             |
| 5200014211      | 31.05.2016   | -143.839,42                                                                            |
| 5200028480      | 01.09.2017   | 142.070,94                                                                             |
| 5200027924      | 31.08.2017   | -142.070,94                                                                            |
| 5200006394      | 01.03.2017   | 141.310,57                                                                             |
| 5200005855      | 28.02.2017   | -141.310,57                                                                            |
| 5200000479      | 01.01.2012   | 140.833,20                                                                             |
| 5200020008      | 31.12.2011   | -140.833,20                                                                            |
| 5200035824      | 01.11.2017   | 140.557,84                                                                             |
| 5200035273      | 31.10.2017   | -140.557,84                                                                            |
| 5200005592      | 01.03.2016   | 140.482,42                                                                             |
| 5200005078      | 29.02.2016   | -140.482,42                                                                            |
| 4300306542      | 14.12.2017   | 140.226,00                                                                             |
| 4300308673      | 18.12.2017   | 140.226,00                                                                             |
| 4300275548      | 13.11.2017   | 139.468,00                                                                             |
| 5200024727      | 01.08.2017   | 138.612,19                                                                             |
| 5200024183      | 31.07.2017   | -138.612,19                                                                            |
| 5200029192      | 01.11.2015   | 138.352,70                                                                             |
| 5200028784      | 31.10.2015   | -138.352,70                                                                            |
| 5200029198      | 01.11.2015   | 138.335,60                                                                             |
| 5200028790      | 31.10.2015   | -138.335,60                                                                            |
| 5200021122      | 01.09.2014   | 137.392,40                                                                             |
| 5200020689      | 31.08.2014   | -137.392,40                                                                            |
| 5200029836      | 01.11.2016   | 136.791,56                                                                             |
| 5200029387      | 31.10.2016   | -136.791,56                                                                            |
| 5200009424      | 01.04.2017   | 136.751,14                                                                             |
| 5200008892      | 31.03.2017   | -136.751,14                                                                            |
| 2534406         | 31.10.1998   | 136.423,12                                                                             |
| 2534407         | 02.11.1998   | -136.423,12                                                                            |
| 4300293374      | 01.12.2017   | 134.959,85                                                                             |
| 5200004205      | 01.03.2012   | 134.475,86                                                                             |
| 5200003933      | 29.02.2012   | -134.475,86                                                                            |
| 5200003158      | 01.02.2017   | 134.390,53                                                                             |
| 5200002612      | 31.01.2017   | -134.390,53                                                                            |
| 5200026726      | 01.10.2013   | 133.519,69                                                                             |
| 5200026359      | 30.09.2013   | -133.519,69                                                                            |
| 4300310861      | 20.12.2017   | 133.161,71                                                                             |
| 5200029835      | 01.11.2016   | 133.138,36                                                                             |
| 5200029386      | 31.10.2016   | -133.138,36                                                                            |
| 4300133567      | 06.06.2017   | 132.645,61                                                                             |
| 5200018397      | 01.08.2014   | 129.162,60                                                                             |
| 5200017974      | 31.07.2014   | -129.162,60                                                                            |
| 5200023719      | 01.10.2014   | 129.100,16                                                                             |
| 5200023394      | 30.09.2014   | -129.100,16                                                                            |

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**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300313835      | 28.12.2017   | 128.877,00                                                                             |
| 5200028552      | 31.10.2015   | 128.282,67                                                                             |
| 5200000293      | 01.01.2016   | 127.835,35                                                                             |
| 5200033579      | 31.12.2015   | -127.835,35                                                                            |
| 5200010995      | 01.05.2016   | 127.770,10                                                                             |
| 5200010518      | 30.04.2016   | -127.770,10                                                                            |
| 4300311370      | 21.12.2017   | 126.854,00                                                                             |
| 5200014796      | 01.07.2012   | 126.749,15                                                                             |
| 5200014506      | 30.06.2012   | -126.749,15                                                                            |
| 4300311705      | 22.12.2017   | 126.225,00                                                                             |
| 5200021702      | 01.07.2017   | 126.216,38                                                                             |
| 5200021151      | 30.06.2017   | -126.216,38                                                                            |
| 4300302949      | 14.12.2017   | 125.715,63                                                                             |
| 5200002364      | 01.02.2015   | 125.053,81                                                                             |
| 5200001941      | 31.01.2015   | -125.053,81                                                                            |
| 5200010996      | 01.05.2016   | 125.045,16                                                                             |
| 5200010519      | 30.04.2016   | -125.045,16                                                                            |
| 5200013988      | 01.05.2017   | 124.831,71                                                                             |
| 5200013438      | 30.04.2017   | -124.831,71                                                                            |
| 4300296273      | 12.12.2017   | 124.122,99                                                                             |
| 5200026794      | 01.10.2016   | 123.747,90                                                                             |
| 5200026341      | 30.09.2016   | -123.747,90                                                                            |
| 5200018398      | 01.08.2014   | 123.243,20                                                                             |
| 5200017975      | 31.07.2014   | -123.243,20                                                                            |
| 5200012152      | 01.06.2012   | 122.093,53                                                                             |
| 5200011878      | 31.05.2012   | -122.093,53                                                                            |
| 4300294629      | 07.12.2017   | 121.938,17                                                                             |
| 5200018002      | 01.06.2017   | 121.919,47                                                                             |
| 5200017448      | 31.05.2017   | -121.919,47                                                                            |
| 5200018446      | 01.07.2013   | 121.859,53                                                                             |
| 5200018060      | 30.06.2013   | -121.859,53                                                                            |
| 5200021125      | 01.09.2014   | 121.628,78                                                                             |
| 5200020692      | 31.08.2014   | -121.628,78                                                                            |
| 5200014678      | 01.06.2016   | 120.607,66                                                                             |
| 5200014210      | 31.05.2016   | -120.607,66                                                                            |
| 5200042193      | 31.12.2017   | -120.558,93                                                                            |
| 5200029258      | 01.11.2013   | 119.972,07                                                                             |
| 5200028917      | 31.10.2013   | -119.972,07                                                                            |
| 5200014677      | 01.06.2016   | 119.473,28                                                                             |
| 5200014209      | 31.05.2016   | -119.473,28                                                                            |
| 5200026356      | 01.11.2014   | 118.948,87                                                                             |
| 5200026003      | 31.10.2014   | -118.948,87                                                                            |
| 4300310864      | 20.12.2017   | 118.877,89                                                                             |
| 4300304807      | 14.12.2017   | 118.365,48                                                                             |
| 5200005612      | 01.03.2016   | 118.018,71                                                                             |
| 5200005098      | 29.02.2016   | -118.018,71                                                                            |
| 5200014675      | 01.06.2016   | 118.000,05                                                                             |
| 5200014207      | 31.05.2016   | -118.000,05                                                                            |
| 5200021297      | 01.08.2013   | 116.379,63                                                                             |
| 5200020942      | 31.07.2013   | -116.379,63                                                                            |
| 5200014342      | 31.05.2015   | 116.234,92                                                                             |
| 5200032139      | 01.12.2015   | 116.220,23                                                                             |
| 5200031736      | 30.11.2015   | -116.220,23                                                                            |
| 5200024731      | 01.08.2017   | 115.884,20                                                                             |
| 5200024187      | 31.07.2017   | -115.884,20                                                                            |
| 4300314722      | 28.12.2017   | 115.773,52                                                                             |
| 5200003174      | 01.02.2013   | 115.770,02                                                                             |
| 5200002835      | 31.01.2013   | -115.770,02                                                                            |
| 4300304021      | 04.12.2017   | 114.760,91                                                                             |
| 4300298650      | 08.12.2017   | 114.596,49                                                                             |
| 5200002342      | 01.02.2012   | 114.289,43                                                                             |
| 5200002100      | 31.01.2012   | -114.289,43                                                                            |
| 5200032146      | 01.12.2015   | 113.755,02                                                                             |
| 5200031743      | 30.11.2015   | -113.755,02                                                                            |
| 5200026620      | 01.10.2013   | 112.914,78                                                                             |
| 5200026253      | 30.09.2013   | -112.914,78                                                                            |
| 4300312283      | 21.12.2017   | 112.583,52                                                                             |
| 5200024726      | 01.08.2017   | 112.517,38                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200024182      | 31.07.2017   | -112.517,38                                                                            |
| 5200016917      | 01.07.2016   | 112.485,90                                                                             |
| 5200016462      | 30.06.2016   | -112.485,90                                                                            |
| 5200000474      | 01.01.2013   | 112.478,99                                                                             |
| 5200030857      | 31.12.2012   | -112.478,99                                                                            |
| 5200024718      | 01.08.2017   | 112.404,23                                                                             |
| 5200024174      | 31.07.2017   | -112.404,23                                                                            |
| 5200002423      | 01.02.2017   | 112.226,49                                                                             |
| 5200002319      | 31.01.2017   | 112.226,49                                                                             |
| 5200002319      | 31.01.2017   | -112.226,49                                                                            |
| 5200002423      | 01.02.2017   | -112.226,49                                                                            |
| 4500002462      | 28.12.2017   | -112.032,36                                                                            |
| 5200013997      | 01.05.2017   | 111.745,71                                                                             |
| 5200013447      | 30.04.2017   | -111.745,71                                                                            |
| 5200019919      | 01.08.2015   | 111.705,68                                                                             |
| 5200019871      | 31.07.2015   | 111.705,68                                                                             |
| 5200019871      | 31.07.2015   | -111.705,68                                                                            |
| 5200019919      | 01.08.2015   | -111.705,68                                                                            |
| 5200023114      | 01.09.2015   | 111.574,95                                                                             |
| 5200022735      | 31.08.2015   | -111.574,95                                                                            |
| 5200026386      | 01.10.2015   | 110.461,55                                                                             |
| 5200025972      | 30.09.2015   | -110.461,55                                                                            |
| 5200028759      | 01.12.2012   | 110.451,46                                                                             |
| 5200028450      | 30.11.2012   | -110.451,46                                                                            |
| 5200023627      | 01.09.2016   | 110.122,34                                                                             |
| 5200023169      | 31.08.2016   | -110.122,34                                                                            |
| 4300281140      | 22.11.2017   | 109.896,30                                                                             |
| 5200023751      | 31.07.2017   | -109.580,24                                                                            |
| 4300311514      | 21.12.2017   | 109.432,40                                                                             |
| 5200002499      | 01.02.2015   | 108.652,91                                                                             |
| 5200002076      | 31.01.2015   | -108.652,91                                                                            |
| 5200032826      | 01.12.2016   | 108.504,58                                                                             |
| 5200032362      | 30.11.2016   | -108.504,58                                                                            |
| 5200010412      | 01.04.2013   | 107.952,32                                                                             |
| 5200010071      | 31.03.2013   | -107.952,32                                                                            |
| 5200031694      | 01.12.2015   | 107.681,89                                                                             |
| 5200031631      | 30.11.2015   | 107.681,89                                                                             |
| 5200031631      | 30.11.2015   | -107.681,89                                                                            |
| 5200031694      | 01.12.2015   | -107.681,89                                                                            |
| 5200016932      | 01.07.2016   | 106.864,43                                                                             |
| 5200016477      | 30.06.2016   | -106.864,43                                                                            |
| 5200025936      | 01.11.2012   | 106.245,88                                                                             |
| 5200025631      | 31.10.2012   | -106.245,88                                                                            |
| 5200014795      | 01.07.2012   | 106.237,16                                                                             |
| 5200014505      | 30.06.2012   | -106.237,16                                                                            |
| 5200032171      | 01.10.2017   | 106.134,58                                                                             |
| 5200031618      | 30.09.2017   | -106.134,58                                                                            |
| 5200016914      | 01.07.2016   | 106.021,60                                                                             |
| 5200016459      | 30.06.2016   | -106.021,60                                                                            |
| 5200028476      | 01.09.2017   | 106.004,33                                                                             |
| 5200027920      | 31.08.2017   | -106.004,33                                                                            |
| 5200020660      | 01.08.2016   | 105.867,03                                                                             |
| 5200023622      | 01.09.2016   | 105.867,03                                                                             |
| 5200020195      | 31.07.2016   | -105.867,03                                                                            |
| 5200023164      | 31.08.2016   | -105.867,03                                                                            |
| 5200023203      | 30.09.2014   | 105.861,51                                                                             |
| 5200029030      | 31.10.2016   | 105.638,13                                                                             |
| 4300311748      | 22.12.2017   | 105.450,00                                                                             |
| 5200015694      | 01.06.2013   | 105.322,16                                                                             |
| 5200015337      | 31.05.2013   | -105.322,16                                                                            |
| 5200022261      | 01.10.2012   | 104.933,45                                                                             |
| 5200021967      | 30.09.2012   | -104.933,45                                                                            |
| 5200000395      | 01.01.2017   | 104.637,23                                                                             |
| 5200003019      | 01.02.2017   | 104.637,23                                                                             |
| 5200009427      | 01.04.2017   | 104.637,23                                                                             |
| 5200013984      | 01.05.2017   | 104.637,23                                                                             |
| 5200018005      | 01.06.2017   | 104.637,23                                                                             |
| 5200034302      | 31.12.2016   | -104.637,23                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200002473      | 31.01.2017   | -104.637,23                                                                            |
| 5200008895      | 31.03.2017   | -104.637,23                                                                            |
| 5200013434      | 30.04.2017   | -104.637,23                                                                            |
| 5200017451      | 31.05.2017   | -104.637,23                                                                            |
| 5200033445      | 31.12.2015   | -104.319,18                                                                            |
| 5200035833      | 01.11.2017   | 104.227,85                                                                             |
| 5200035282      | 31.10.2017   | -104.227,85                                                                            |
| 5200014932      | 01.06.2015   | 103.836,21                                                                             |
| 5200014542      | 31.05.2015   | -103.836,21                                                                            |
| 5200026382      | 01.10.2015   | 103.712,42                                                                             |
| 5200025968      | 30.09.2015   | -103.712,42                                                                            |
| 5200000441      | 01.01.2014   | 103.588,13                                                                             |
| 5200033748      | 31.12.2013   | -103.588,13                                                                            |
| 5200029020      | 01.12.2014   | 103.521,50                                                                             |
| 5200028657      | 30.11.2014   | -103.521,50                                                                            |
| 4300301243      | 08.12.2017   | 103.317,64                                                                             |
| 5200000294      | 01.01.2016   | 103.150,70                                                                             |
| 5200033580      | 31.12.2015   | -103.150,70                                                                            |
| 5200003023      | 01.02.2017   | 103.146,77                                                                             |
| 5200002477      | 31.01.2017   | -103.146,77                                                                            |
| 5200032829      | 01.12.2016   | 103.078,44                                                                             |
| 5200032365      | 30.11.2016   | -103.078,44                                                                            |
| 5200009105      | 01.05.2012   | 102.860,81                                                                             |
| 5200008827      | 30.04.2012   | -102.860,81                                                                            |
| 5200025942      | 01.11.2012   | 102.303,49                                                                             |
| 5200025637      | 31.10.2012   | -102.303,49                                                                            |
| 5200018448      | 01.07.2013   | 101.985,45                                                                             |
| 5200018062      | 30.06.2013   | -101.985,45                                                                            |
| 5200042204      | 31.12.2017   | -101.750,51                                                                            |
| 5200028491      | 01.09.2017   | 101.692,21                                                                             |
| 5200027935      | 31.08.2017   | -101.692,21                                                                            |
| 5200032173      | 01.10.2017   | 101.668,37                                                                             |
| 5200031620      | 30.09.2017   | -101.668,37                                                                            |
| 5200040449      | 01.12.2017   | 101.500,34                                                                             |
| 5200039904      | 30.11.2017   | -101.500,34                                                                            |
| 5200021721      | 01.07.2017   | 101.330,45                                                                             |
| 5200024737      | 01.08.2017   | 101.330,45                                                                             |
| 5200035844      | 01.11.2017   | 101.330,45                                                                             |
| 5200021170      | 30.06.2017   | -101.330,45                                                                            |
| 5200024193      | 31.07.2017   | -101.330,45                                                                            |
| 5200035293      | 31.10.2017   | -101.330,45                                                                            |
| 5200022471      | 31.08.2015   | -100.606,84                                                                            |
| 5200000468      | 01.01.2013   | 100.504,92                                                                             |
| 5200030851      | 31.12.2012   | -100.504,92                                                                            |
| 5200020242      | 01.09.2012   | 99.873,48                                                                              |
| 5200019956      | 31.08.2012   | -99.873,48                                                                             |
| 4300315180      | 12.12.2017   | 99.754,35                                                                              |
| 5200035832      | 01.11.2017   | 99.743,76                                                                              |
| 5200035281      | 31.10.2017   | -99.743,76                                                                             |
| 4300312921      | 27.12.2017   | 98.911,31                                                                              |
| 5200029194      | 01.11.2015   | 98.745,04                                                                              |
| 5200028786      | 31.10.2015   | -98.745,04                                                                             |
| 4300280301      | 16.11.2017   | 98.703,75                                                                              |
| 5200026354      | 01.11.2014   | 98.511,34                                                                              |
| 5200026001      | 31.10.2014   | -98.511,34                                                                             |
| 5200021719      | 01.07.2017   | 97.816,51                                                                              |
| 5200021168      | 30.06.2017   | -97.816,51                                                                             |
| 5200023109      | 01.09.2015   | 97.746,31                                                                              |
| 5200022730      | 31.08.2015   | -97.746,31                                                                             |
| 5200017854      | 31.07.2014   | 97.511,09                                                                              |
| 5200000266      | 01.01.2016   | 97.432,55                                                                              |
| 5200033545      | 31.12.2015   | 97.432,55                                                                              |
| 5200033545      | 31.12.2015   | -97.432,55                                                                             |
| 5200000266      | 01.01.2016   | -97.432,55                                                                             |
| 5200010993      | 01.05.2016   | 97.311,04                                                                              |
| 5200010516      | 30.04.2016   | -97.311,04                                                                             |
| 5200020787      | 30.06.2017   | -97.179,77                                                                             |
| 5200026381      | 01.10.2015   | 97.171,59                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200025967      | 30.09.2015   | -97.171,59                                                                             |
| 5200009428      | 01.04.2017   | 96.778,77                                                                              |
| 5200008896      | 31.03.2017   | -96.778,77                                                                             |
| 5200016921      | 01.07.2016   | 96.725,22                                                                              |
| 5200016466      | 30.06.2016   | -96.725,22                                                                             |
| 5200022264      | 01.10.2012   | 96.447,70                                                                              |
| 5200021970      | 30.09.2012   | -96.447,70                                                                             |
| 5200023717      | 01.10.2014   | 96.341,34                                                                              |
| 5200023392      | 30.09.2014   | -96.341,34                                                                             |
| 5200012848      | 30.04.2017   | -96.312,66                                                                             |
| 5200007637      | 01.03.2013   | 96.223,42                                                                              |
| 5200007306      | 28.02.2013   | -96.223,42                                                                             |
| 5200025938      | 01.11.2012   | 96.137,02                                                                              |
| 5200025633      | 31.10.2012   | -96.137,02                                                                             |
| 4300302199      | 08.12.2017   | 96.005,05                                                                              |
| 5200013389      | 01.05.2017   | 95.641,45                                                                              |
| 5200013291      | 30.04.2017   | 95.641,45                                                                              |
| 5200013291      | 30.04.2017   | -95.641,45                                                                             |
| 5200013389      | 01.05.2017   | -95.641,45                                                                             |
| 5200017687      | 01.08.2012   | 95.599,18                                                                              |
| 5200017401      | 31.07.2012   | -95.599,18                                                                             |
| 5200004389      | 01.03.2014   | 95.588,77                                                                              |
| 5200003990      | 28.02.2014   | -95.588,77                                                                             |
| 4300284891      | 21.11.2017   | 95.432,49                                                                              |
| 4300284924      | 21.11.2017   | 95.432,49                                                                              |
| 5200020679      | 01.08.2016   | 95.424,43                                                                              |
| 5200020214      | 31.07.2016   | -95.424,43                                                                             |
| 4300315051      | 29.12.2017   | 95.360,65                                                                              |
| 5200008849      | 01.04.2017   | 95.233,88                                                                              |
| 5200008755      | 31.03.2017   | 95.233,88                                                                              |
| 5200008755      | 31.03.2017   | -95.233,88                                                                             |
| 5200008849      | 01.04.2017   | -95.233,88                                                                             |
| 4300296862      | 07.12.2017   | 95.060,57                                                                              |
| 5200007056      | 01.04.2014   | 94.561,15                                                                              |
| 5200006652      | 31.03.2014   | -94.561,15                                                                             |
| 5200015473      | 01.07.2014   | 93.678,06                                                                              |
| 5200015045      | 30.06.2014   | -93.678,06                                                                             |
| 5200018457      | 01.07.2013   | 93.604,05                                                                              |
| 5200018068      | 30.06.2013   | -93.604,05                                                                             |
| 4300307567      | 16.12.2017   | 93.462,60                                                                              |
| 5200021300      | 01.08.2013   | 93.253,95                                                                              |
| 5200020945      | 31.07.2013   | -93.253,95                                                                             |
| 5200040437      | 01.12.2017   | 93.208,40                                                                              |
| 5200039892      | 30.11.2017   | -93.208,40                                                                             |
| 5200002101      | 31.01.2017   | -93.011,36                                                                             |
| 5200000305      | 01.01.2015   | 92.971,46                                                                              |
| 5200030980      | 31.12.2014   | -92.971,46                                                                             |
| 4300302158      | 14.12.2017   | 92.820,00                                                                              |
| 5200005701      | 01.03.2017   | 92.770,37                                                                              |
| 5200005600      | 28.02.2017   | 92.770,37                                                                              |
| 5200005600      | 28.02.2017   | -92.770,37                                                                             |
| 5200005701      | 01.03.2017   | -92.770,37                                                                             |
| 5200028711      | 01.11.2015   | 92.483,09                                                                              |
| 5200028669      | 31.10.2015   | 92.483,09                                                                              |
| 5200028669      | 31.10.2015   | -92.483,09                                                                             |
| 5200028711      | 01.11.2015   | -92.483,09                                                                             |
| 5200012143      | 01.06.2012   | 92.068,59                                                                              |
| 5200011869      | 31.05.2012   | -92.068,59                                                                             |
| 5200012512      | 01.06.2014   | 91.796,27                                                                              |
| 5200012067      | 31.05.2014   | -91.796,27                                                                             |
| 5200026036      | 01.11.2012   | 91.783,34                                                                              |
| 5200025731      | 31.10.2012   | -91.783,34                                                                             |
| 4300311047      | 19.12.2017   | 91.734,24                                                                              |
| 4300306839      | 14.12.2017   | 91.561,96                                                                              |
| 4300288069      | 07.12.2017   | 91.533,28                                                                              |
| 5200005610      | 01.03.2016   | 91.505,28                                                                              |
| 5200005096      | 29.02.2016   | -91.505,28                                                                             |
| 5200024735      | 01.08.2017   | 91.414,53                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200024191      | 31.07.2017   | -91.414,53                                                                             |
| 4300299811      | 09.12.2017   | 91.248,13                                                                              |
| 5200023910      | 01.09.2013   | 91.085,96                                                                              |
| 5200023558      | 31.08.2013   | -91.085,96                                                                             |
| 5200035829      | 01.11.2017   | 90.937,28                                                                              |
| 5200035278      | 31.10.2017   | -90.937,28                                                                             |
| 5200025954      | 01.11.2012   | 90.919,75                                                                              |
| 5200025649      | 31.10.2012   | -90.919,75                                                                             |
| 4300275019      | 16.11.2017   | 90.877,92                                                                              |
| 4300313028      | 27.12.2017   | 90.877,92                                                                              |
| 4800062704      | 25.11.2017   | 90.867,09                                                                              |
| 5200025924      | 01.10.2015   | 90.688,12                                                                              |
| 5200025879      | 30.09.2015   | 90.688,12                                                                              |
| 5200025879      | 30.09.2015   | -90.688,12                                                                             |
| 5200025924      | 01.10.2015   | -90.688,12                                                                             |
| 5200042202      | 31.12.2017   | -90.535,32                                                                             |
| 4300290949      | 01.12.2017   | -90.480,00                                                                             |
| 5200028489      | 01.09.2017   | 90.223,46                                                                              |
| 5200027933      | 31.08.2017   | -90.223,46                                                                             |
| 5200009440      | 01.04.2017   | 90.204,61                                                                              |
| 5200008908      | 31.03.2017   | -90.204,61                                                                             |
| 5200005032      | 01.03.2016   | 90.191,86                                                                              |
| 5200004959      | 29.02.2016   | 90.191,86                                                                              |
| 5200004959      | 29.02.2016   | -90.191,86                                                                             |
| 5200005032      | 01.03.2016   | -90.191,86                                                                             |
| 5200024723      | 01.08.2017   | 89.985,79                                                                              |
| 5200024179      | 31.07.2017   | -89.985,79                                                                             |
| 5200040447      | 01.12.2017   | 89.661,32                                                                              |
| 5200039902      | 30.11.2017   | -89.661,32                                                                             |
| 5200022347      | 01.10.2012   | 89.512,92                                                                              |
| 5200022053      | 30.09.2012   | -89.512,92                                                                             |
| 5200015689      | 01.06.2013   | 89.499,23                                                                              |
| 5200015332      | 31.05.2013   | -89.499,23                                                                             |
| 5200000858      | 31.01.2009   | 89.489,21                                                                              |
| 5200020677      | 01.08.2016   | 88.967,59                                                                              |
| 5200020212      | 31.07.2016   | -88.967,59                                                                             |
| 5200026809      | 01.10.2016   | 88.962,36                                                                              |
| 5200026356      | 30.09.2016   | -88.962,36                                                                             |
| 5200016930      | 01.07.2016   | 88.898,22                                                                              |
| 5200016475      | 30.06.2016   | -88.898,22                                                                             |
| 5200023636      | 01.09.2016   | 88.891,66                                                                              |
| 5200023178      | 31.08.2016   | -88.891,66                                                                             |
| 5200029851      | 01.11.2016   | 88.886,43                                                                              |
| 5200032835      | 01.12.2016   | 88.886,43                                                                              |
| 5200000411      | 01.01.2017   | 88.886,43                                                                              |
| 5200003035      | 01.02.2017   | 88.886,43                                                                              |
| 5200006287      | 01.03.2017   | 88.886,43                                                                              |
| 5200009445      | 01.04.2017   | 88.886,43                                                                              |
| 5200014003      | 01.05.2017   | 88.886,43                                                                              |
| 5200018024      | 01.06.2017   | 88.886,43                                                                              |
| 5200021725      | 01.07.2017   | 88.886,43                                                                              |
| 5200024741      | 01.08.2017   | 88.886,43                                                                              |
| 5200028494      | 01.09.2017   | 88.886,43                                                                              |
| 5200032176      | 01.10.2017   | 88.886,43                                                                              |
| 5200035847      | 01.11.2017   | 88.886,43                                                                              |
| 5200040454      | 01.12.2017   | 88.886,43                                                                              |
| 5200029402      | 31.10.2016   | -88.886,43                                                                             |
| 5200032371      | 30.11.2016   | -88.886,43                                                                             |
| 5200034318      | 31.12.2016   | -88.886,43                                                                             |
| 5200002489      | 31.01.2017   | -88.886,43                                                                             |
| 5200005748      | 28.02.2017   | -88.886,43                                                                             |
| 5200008913      | 31.03.2017   | -88.886,43                                                                             |
| 5200013453      | 30.04.2017   | -88.886,43                                                                             |
| 5200017470      | 31.05.2017   | -88.886,43                                                                             |
| 5200021174      | 30.06.2017   | -88.886,43                                                                             |
| 5200024197      | 31.07.2017   | -88.886,43                                                                             |
| 5200027938      | 31.08.2017   | -88.886,43                                                                             |
| 5200031623      | 30.09.2017   | -88.886,43                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200035296      | 31.10.2017   | -88.886,43                                                                             |
| 5200039909      | 30.11.2017   | -88.886,43                                                                             |
| 5200042209      | 31.12.2017   | -88.886,43                                                                             |
| 5200000305      | 01.01.2016   | 88.706,39                                                                              |
| 5200033591      | 31.12.2015   | -88.706,39                                                                             |
| 5200005613      | 01.03.2016   | 88.688,93                                                                              |
| 5200005099      | 29.02.2016   | -88.688,93                                                                             |
| 5200000313      | 01.01.2015   | 88.681,84                                                                              |
| 5200030988      | 31.12.2014   | -88.681,84                                                                             |
| 5200023995      | 01.09.2013   | 88.341,68                                                                              |
| 5200023643      | 31.08.2013   | -88.341,68                                                                             |
| 5200023638      | 01.09.2016   | 88.103,11                                                                              |
| 5200026811      | 01.10.2016   | 88.103,11                                                                              |
| 5200023180      | 31.08.2016   | -88.103,11                                                                             |
| 5200026358      | 30.09.2016   | -88.103,11                                                                             |
| 5200007882      | 01.04.2015   | 87.908,88                                                                              |
| 5200007480      | 31.03.2015   | -87.908,88                                                                             |
| 5200020245      | 01.09.2012   | 87.849,67                                                                              |
| 5200019959      | 31.08.2012   | -87.849,67                                                                             |
| 5200032058      | 30.11.2016   | 87.773,41                                                                              |
| 5200021131      | 01.09.2014   | 87.145,54                                                                              |
| 5200020698      | 31.08.2014   | -87.145,54                                                                             |
| 5200022688      | 01.09.2015   | 87.036,45                                                                              |
| 5200022652      | 31.08.2015   | 87.036,45                                                                              |
| 5200022652      | 31.08.2015   | -87.036,45                                                                             |
| 5200022688      | 01.09.2015   | -87.036,45                                                                             |
| 5200028479      | 01.09.2017   | 86.905,07                                                                              |
| 5200027923      | 31.08.2017   | -86.905,07                                                                             |
| 4300282084      | 23.11.2017   | 86.596,30                                                                              |
| 5200021711      | 01.07.2017   | 86.459,60                                                                              |
| 5200021160      | 30.06.2017   | -86.459,60                                                                             |
| 5200026618      | 01.10.2013   | 86.146,39                                                                              |
| 5200026251      | 30.09.2013   | -86.146,39                                                                             |
| 5200002348      | 01.02.2012   | 86.102,81                                                                              |
| 5200002106      | 31.01.2012   | -86.102,81                                                                             |
| 5200000399      | 01.01.2017   | 85.294,62                                                                              |
| 5200034306      | 31.12.2016   | -85.294,62                                                                             |
| 5200006809      | 01.04.2012   | 85.283,44                                                                              |
| 5200006513      | 31.03.2012   | -85.283,44                                                                             |
| 5200018010      | 01.06.2017   | 85.135,64                                                                              |
| 5200017456      | 31.05.2017   | -85.135,64                                                                             |
| 5200017592      | 01.08.2012   | 85.085,03                                                                              |
| 5200017306      | 31.07.2012   | -85.085,03                                                                             |
| 5200018402      | 01.08.2014   | 84.900,90                                                                              |
| 5200017979      | 31.07.2014   | -84.900,90                                                                             |
| 4300292914      | 01.12.2017   | 84.866,15                                                                              |
| 5200030864      | 31.12.2014   | 84.578,96                                                                              |
| 4300301791      | 14.12.2017   | 84.447,83                                                                              |
| 5200013116      | 01.05.2013   | 84.402,52                                                                              |
| 5200012767      | 30.04.2013   | -84.402,52                                                                             |
| 5200021715      | 01.07.2017   | 84.349,42                                                                              |
| 5200021164      | 30.06.2017   | -84.349,42                                                                             |
| 4300308306      | 16.12.2017   | 84.341,25                                                                              |
| 5200009836      | 01.05.2014   | 84.119,25                                                                              |
| 5200009414      | 30.04.2014   | -84.119,25                                                                             |
| 5200017408      | 01.06.2017   | 83.862,11                                                                              |
| 5200017306      | 31.05.2017   | 83.862,11                                                                              |
| 5200017306      | 31.05.2017   | -83.862,11                                                                             |
| 5200017408      | 01.06.2017   | -83.862,11                                                                             |
| 5200017068      | 31.05.2017   | -83.747,11                                                                             |
| 5200003016      | 01.02.2017   | 83.635,41                                                                              |
| 5200002470      | 31.01.2017   | -83.635,41                                                                             |
| 2731050         | 31.12.1996   | 83.451,89                                                                              |
| 2731051         | 02.01.1997   | -83.451,89                                                                             |
| 5200026798      | 01.10.2016   | 83.376,80                                                                              |
| 5200029840      | 01.11.2016   | 83.376,80                                                                              |
| 5200026345      | 30.09.2016   | -83.376,80                                                                             |
| 5200029391      | 31.10.2016   | -83.376,80                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300265203      | 06.11.2017   | 83.304,76                                                                              |
| 5200020248      | 01.09.2012   | 83.210,18                                                                              |
| 5200019962      | 31.08.2012   | -83.210,18                                                                             |
| 5200029842      | 01.11.2016   | 83.087,66                                                                              |
| 5200029393      | 31.10.2016   | -83.087,66                                                                             |
| 5200012194      | 01.06.2012   | 82.941,43                                                                              |
| 5200011920      | 31.05.2012   | -82.941,43                                                                             |
| 5200014663      | 01.06.2016   | 82.891,92                                                                              |
| 5200014195      | 31.05.2016   | -82.891,92                                                                             |
| 5200029853      | 01.11.2016   | 82.877,11                                                                              |
| 5200029404      | 31.10.2016   | -82.877,11                                                                             |
| 5200007915      | 31.03.2016   | -82.790,69                                                                             |
| 5200014941      | 01.06.2015   | 82.788,62                                                                              |
| 5200014551      | 31.05.2015   | -82.788,62                                                                             |
| 5200001230      | 01.02.2016   | 82.329,06                                                                              |
| 5200001174      | 31.01.2016   | 82.329,06                                                                              |
| 5200001174      | 31.01.2016   | -82.329,06                                                                             |
| 5200001230      | 01.02.2016   | -82.329,06                                                                             |
| 5200013989      | 01.05.2017   | 82.032,60                                                                              |
| 5200013439      | 30.04.2017   | -82.032,60                                                                             |
| 5200007522      | 30.11.2010   | 82.026,38                                                                              |
| 5200008140      | 01.04.2016   | 81.957,20                                                                              |
| 5200008071      | 31.03.2016   | 81.957,20                                                                              |
| 5200008071      | 31.03.2016   | -81.957,20                                                                             |
| 5200008140      | 01.04.2016   | -81.957,20                                                                             |
| 5200009431      | 01.04.2017   | 81.816,61                                                                              |
| 5200008899      | 31.03.2017   | -81.816,61                                                                             |
| 5200026379      | 01.10.2015   | 81.327,20                                                                              |
| 5200025965      | 30.09.2015   | -81.327,20                                                                             |
| 5200042200      | 31.12.2017   | -81.164,02                                                                             |
| 4300294631      | 06.12.2017   | -81.043,86                                                                             |
| 4300289529      | 01.12.2017   | 81.028,11                                                                              |
| 5200013985      | 01.05.2017   | 79.989,13                                                                              |
| 5200013435      | 30.04.2017   | -79.989,13                                                                             |
| 5200006163      | 30.09.2010   | -79.817,72                                                                             |
| 5200013990      | 01.05.2017   | 79.506,00                                                                              |
| 5200013440      | 30.04.2017   | -79.506,00                                                                             |
| 4300296183      | 05.12.2017   | 79.440,02                                                                              |
| 4300095676      | 08.05.2017   | 79.400,40                                                                              |
| 5200000530      | 01.01.2012   | 79.327,98                                                                              |
| 5200020059      | 31.12.2011   | -79.327,98                                                                             |
| 4300315242      | 27.12.2017   | 79.311,12                                                                              |
| 5200028845      | 01.12.2012   | 79.115,67                                                                              |
| 5200028536      | 30.11.2012   | -79.115,67                                                                             |
| 5200006717      | 01.04.2012   | 79.111,58                                                                              |
| 5200006421      | 31.03.2012   | -79.111,58                                                                             |
| 5200042203      | 31.12.2017   | -79.107,65                                                                             |
| 5200000484      | 01.01.2012   | 79.106,71                                                                              |
| 5200020013      | 31.12.2011   | -79.106,71                                                                             |
| 5200021712      | 01.07.2017   | 78.804,71                                                                              |
| 5200021161      | 30.06.2017   | -78.804,71                                                                             |
| 5200014799      | 01.07.2012   | 78.694,49                                                                              |
| 5200014509      | 30.06.2012   | -78.694,49                                                                             |
| 4300306375      | 14.12.2017   | 78.512,81                                                                              |
| 5200026643      | 01.10.2013   | 78.505,66                                                                              |
| 5200026276      | 30.09.2013   | -78.505,66                                                                             |
| 5200032158      | 01.10.2017   | 78.438,63                                                                              |
| 5200031605      | 30.09.2017   | -78.438,63                                                                             |
| 5200004675      | 01.03.2015   | 78.320,60                                                                              |
| 5200004245      | 28.02.2015   | -78.320,60                                                                             |
| 5200020329      | 01.09.2012   | 78.302,53                                                                              |
| 5200020043      | 31.08.2012   | -78.302,53                                                                             |
| 5200012119      | 01.06.2012   | 78.264,86                                                                              |
| 5200011845      | 31.05.2012   | -78.264,86                                                                             |
| 4300295641      | 06.12.2017   | 78.149,51                                                                              |
| 5200028482      | 01.09.2017   | 78.125,00                                                                              |
| 5200027926      | 31.08.2017   | -78.125,00                                                                             |
| 5200013913      | 31.05.2016   | 78.051,17                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006274      | 01.03.2017   | 77.875,00                                                                              |
| 5200005735      | 28.02.2017   | -77.875,00                                                                             |
| 4300286472      | 21.11.2017   | 77.870,67                                                                              |
| 5200021707      | 01.07.2017   | 77.866,37                                                                              |
| 5200021156      | 30.06.2017   | -77.866,37                                                                             |
| 5200000346      | 01.01.2016   | 77.709,51                                                                              |
| 5200004206      | 01.03.2012   | 77.496,93                                                                              |
| 5200003934      | 29.02.2012   | -77.496,93                                                                             |
| 5200020348      | 01.08.2015   | 77.245,55                                                                              |
| 5200019981      | 31.07.2015   | -77.245,55                                                                             |
| 5200023107      | 01.09.2015   | 77.150,83                                                                              |
| 5200022728      | 31.08.2015   | -77.150,83                                                                             |
| 5200032164      | 01.10.2017   | 76.575,00                                                                              |
| 5200031611      | 30.09.2017   | -76.575,00                                                                             |
| 4300271413      | 13.11.2017   | 76.400,00                                                                              |
| 5200000400      | 01.01.2017   | 76.294,58                                                                              |
| 5200034307      | 31.12.2016   | -76.294,58                                                                             |
| 5200003024      | 01.02.2017   | 76.276,42                                                                              |
| 5200002478      | 31.01.2017   | -76.276,42                                                                             |
| 5200032824      | 01.12.2016   | 76.218,08                                                                              |
| 5200032360      | 30.11.2016   | -76.218,08                                                                             |
| 5200040440      | 01.12.2017   | 76.175,27                                                                              |
| 5200039895      | 30.11.2017   | -76.175,27                                                                             |
| 5200042195      | 31.12.2017   | -76.175,27                                                                             |
| 5200016919      | 01.07.2016   | 76.133,36                                                                              |
| 5200016464      | 30.06.2016   | -76.133,36                                                                             |
| 5200020664      | 01.08.2016   | 76.125,00                                                                              |
| 5200009433      | 01.04.2017   | 76.125,00                                                                              |
| 5200018011      | 01.06.2017   | 76.125,00                                                                              |
| 5200024728      | 01.08.2017   | 76.125,00                                                                              |
| 5200035835      | 01.11.2017   | 76.125,00                                                                              |
| 5200020199      | 31.07.2016   | -76.125,00                                                                             |
| 5200008901      | 31.03.2017   | -76.125,00                                                                             |
| 5200017457      | 31.05.2017   | -76.125,00                                                                             |
| 5200024184      | 31.07.2017   | -76.125,00                                                                             |
| 5200035284      | 31.10.2017   | -76.125,00                                                                             |
| 5200002361      | 01.02.2015   | 76.073,77                                                                              |
| 5200001938      | 31.01.2015   | -76.073,77                                                                             |
| 4300295627      | 04.12.2017   | 75.928,47                                                                              |
| 5200010987      | 01.05.2016   | 75.886,85                                                                              |
| 5200010510      | 30.04.2016   | -75.886,85                                                                             |
| 5200004011      | 28.02.2015   | 75.856,22                                                                              |
| 4300269636      | 02.11.2017   | 75.781,88                                                                              |
| 4300293670      | 06.12.2017   | 75.604,67                                                                              |
| 5200007451      | 31.10.2008   | 75.165,77                                                                              |
| 5200009074      | 01.05.2012   | 73.618,79                                                                              |
| 5200008796      | 30.04.2012   | -73.618,79                                                                             |
| 4300258409      | 26.10.2017   | 73.484,88                                                                              |
| 5200015475      | 01.07.2014   | 73.097,67                                                                              |
| 5200015047      | 30.06.2014   | -73.097,67                                                                             |
| 5200026801      | 01.10.2016   | 73.072,98                                                                              |
| 5200026348      | 30.09.2016   | -73.072,98                                                                             |
| 5200000299      | 01.01.2016   | 72.923,98                                                                              |
| 5200033585      | 31.12.2015   | -72.923,98                                                                             |
| 4300295699      | 05.12.2017   | 72.818,78                                                                              |
| 5200003027      | 01.02.2017   | 72.713,73                                                                              |
| 5200002481      | 31.01.2017   | -72.713,73                                                                             |
| 5200014118      | 01.06.2016   | 72.442,75                                                                              |
| 5200014054      | 31.05.2016   | 72.442,75                                                                              |
| 5200014054      | 31.05.2016   | -72.442,75                                                                             |
| 5200014118      | 01.06.2016   | -72.442,75                                                                             |
| 5200010452      | 01.05.2016   | 72.426,69                                                                              |
| 5200010394      | 30.04.2016   | 72.426,69                                                                              |
| 5200010394      | 30.04.2016   | -72.426,69                                                                             |
| 5200010452      | 01.05.2016   | -72.426,69                                                                             |
| 5200003179      | 01.02.2013   | 72.248,77                                                                              |
| 5200002840      | 31.01.2013   | -72.248,77                                                                             |
| 5200026796      | 01.10.2016   | 72.187,87                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026343      | 30.09.2016   | -72.187,87                                                                             |
| 5200029286      | 01.11.2013   | 72.162,59                                                                              |
| 5200028945      | 31.10.2013   | -72.162,59                                                                             |
| 5200032823      | 01.12.2016   | 72.018,92                                                                              |
| 5200032359      | 30.11.2016   | -72.018,92                                                                             |
| 5200020343      | 01.08.2015   | 71.548,52                                                                              |
| 5200019976      | 31.07.2015   | -71.548,52                                                                             |
| 4300315300      | 29.12.2017   | 71.517,43                                                                              |
| 4300306475      | 14.12.2017   | 71.400,00                                                                              |
| 4300294065      | 04.12.2017   | 71.400,00                                                                              |
| 4300314229      | 20.12.2017   | 71.400,00                                                                              |
| 5200026795      | 01.10.2016   | 71.297,46                                                                              |
| 5200026342      | 30.09.2016   | -71.297,46                                                                             |
| 5200021385      | 01.08.2013   | 71.173,50                                                                              |
| 5200021030      | 31.07.2013   | -71.173,50                                                                             |
| 5200020351      | 01.08.2015   | 70.822,37                                                                              |
| 5200019984      | 31.07.2015   | -70.822,37                                                                             |
| 5200030287      | 11.11.2015   | -70.822,37                                                                             |
| 5200007888      | 01.04.2015   | 70.765,07                                                                              |
| 5200007486      | 31.03.2015   | -70.765,07                                                                             |
| 5200007246      | 31.03.2015   | 70.623,49                                                                              |
| 5200039541      | 30.11.2017   | -70.591,47                                                                             |
| 5200017643      | 01.07.2015   | 70.562,30                                                                              |
| 5200017291      | 30.06.2015   | -70.562,30                                                                             |
| 5200002343      | 01.02.2012   | 70.557,40                                                                              |
| 5200002101      | 31.01.2012   | -70.557,40                                                                             |
| 4300302961      | 14.12.2017   | 70.483,70                                                                              |
| 5200025940      | 01.11.2012   | 70.384,54                                                                              |
| 5200025635      | 31.10.2012   | -70.384,54                                                                             |
| 4300278960      | 21.11.2017   | 70.036,97                                                                              |
| 5200006720      | 01.04.2012   | 70.005,65                                                                              |
| 5200006424      | 31.03.2012   | -70.005,65                                                                             |
| 4300255736      | 06.12.2017   | 70.000,00                                                                              |
| 5200013114      | 01.05.2013   | 69.888,21                                                                              |
| 5200012765      | 30.04.2013   | -69.888,21                                                                             |
| 5200021132      | 01.09.2014   | 69.839,60                                                                              |
| 5200020699      | 31.08.2014   | -69.839,60                                                                             |
| 5200000469      | 01.01.2013   | 69.581,50                                                                              |
| 5200030852      | 31.12.2012   | -69.581,50                                                                             |
| 5200010985      | 01.05.2016   | 69.390,98                                                                              |
| 5200010508      | 30.04.2016   | -69.390,98                                                                             |
| 5200008577      | 31.12.2008   | -69.222,28                                                                             |
| 5200023915      | 01.09.2013   | 68.717,36                                                                              |
| 5200023563      | 31.08.2013   | -68.717,36                                                                             |
| 4300263503      | 01.11.2017   | 68.526,76                                                                              |
| 4300279044      | 21.11.2017   | 68.526,76                                                                              |
| 4300290420      | 04.12.2017   | 68.526,76                                                                              |
| 5200004666      | 01.03.2015   | 68.423,19                                                                              |
| 5200004236      | 28.02.2015   | -68.423,19                                                                             |
| 4300283821      | 28.11.2017   | 68.270,30                                                                              |
| 5200012059      | 01.05.2015   | 68.017,20                                                                              |
| 5200011646      | 30.04.2015   | -68.017,20                                                                             |
| 4300282600      | 24.11.2017   | 67.734,80                                                                              |
| 4300307943      | 18.12.2017   | 67.488,00                                                                              |
| 5200009432      | 01.04.2017   | 67.486,32                                                                              |
| 5200008900      | 31.03.2017   | -67.486,32                                                                             |
| 4300301738      | 13.12.2017   | 67.259,37                                                                              |
| 4300310420      | 20.12.2017   | 67.259,37                                                                              |
| 4300311099      | 14.12.2017   | 67.259,37                                                                              |
| 4300282133      | 23.11.2017   | 67.250,47                                                                              |
| 5200012121      | 01.06.2012   | 66.891,60                                                                              |
| 5200011847      | 31.05.2012   | -66.891,60                                                                             |
| 5200016418      | 01.07.2016   | 66.873,54                                                                              |
| 5200016358      | 30.06.2016   | 66.873,54                                                                              |
| 5200016358      | 30.06.2016   | -66.873,54                                                                             |
| 5200016418      | 01.07.2016   | -66.873,54                                                                             |
| 4300288701      | 14.11.2017   | 66.725,26                                                                              |
| 5200032827      | 01.12.2016   | 66.401,26                                                                              |

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| 5200032363      | 30.11.2016   | -66.401,26                                                                             |
| 5200014798      | 01.07.2012   | 66.373,30                                                                              |
| 5200014508      | 30.06.2012   | -66.373,30                                                                             |
| 5200007891      | 01.04.2015   | 66.323,60                                                                              |
| 5200007489      | 31.03.2015   | -66.323,60                                                                             |
| 5200029843      | 01.11.2016   | 66.242,77                                                                              |
| 5200029394      | 31.10.2016   | -66.242,77                                                                             |
| 5200000403      | 01.01.2017   | 66.049,73                                                                              |
| 5200034310      | 31.12.2016   | -66.049,73                                                                             |
| 5200016922      | 01.07.2016   | 66.041,54                                                                              |
| 5200016467      | 30.06.2016   | -66.041,54                                                                             |
| 5200020157      | 01.08.2016   | 65.976,25                                                                              |
| 5200020095      | 31.07.2016   | 65.976,25                                                                              |
| 5200020095      | 31.07.2016   | -65.976,25                                                                             |
| 5200020157      | 01.08.2016   | -65.976,25                                                                             |
| 5200032137      | 01.12.2015   | 65.818,48                                                                              |
| 5200031734      | 30.11.2015   | -65.818,48                                                                             |
| 5200020668      | 01.08.2016   | 65.745,00                                                                              |
| 5200020203      | 31.07.2016   | -65.745,00                                                                             |
| 4300309879      | 16.12.2017   | 65.627,17                                                                              |
| 5200026613      | 01.10.2013   | 65.267,59                                                                              |
| 5200026246      | 30.09.2013   | -65.267,59                                                                             |
| 5200029195      | 01.11.2015   | 65.060,05                                                                              |
| 5200028787      | 31.10.2015   | -65.060,05                                                                             |
| 5200001774      | 01.02.2016   | 64.990,81                                                                              |
| 5200001290      | 31.01.2016   | -64.990,81                                                                             |
| 5200010258      | 30.04.2016   | -64.639,15                                                                             |
| 5200000422      | 01.01.2016   | 64.519,70                                                                              |
| 4300307616      | 16.12.2017   | 64.456,90                                                                              |
| 4300305939      | 16.12.2017   | 64.246,80                                                                              |
| 5200018009      | 01.06.2017   | 64.213,35                                                                              |
| 5200017455      | 31.05.2017   | -64.213,35                                                                             |
| 5200031823      | 01.12.2013   | 64.212,52                                                                              |
| 5200031468      | 30.11.2013   | -64.212,52                                                                             |
| 5200013106      | 01.05.2013   | 64.181,27                                                                              |
| 5200012757      | 30.04.2013   | -64.181,27                                                                             |
| 5200009438      | 01.04.2017   | 63.910,68                                                                              |
| 5200008906      | 31.03.2017   | -63.910,68                                                                             |
| 4300287177      | 30.11.2017   | 63.520,56                                                                              |
| 5200001777      | 01.02.2016   | 63.461,93                                                                              |
| 5200001293      | 31.01.2016   | -63.461,93                                                                             |
| 5200020559      | 31.08.2014   | 63.357,01                                                                              |
| 5200005618      | 01.03.2016   | 63.167,11                                                                              |
| 5200005104      | 29.02.2016   | -63.167,11                                                                             |
| 5200023124      | 01.09.2016   | 63.153,53                                                                              |
| 5200023059      | 31.08.2016   | 63.153,53                                                                              |
| 5200023059      | 31.08.2016   | -63.153,53                                                                             |
| 5200023124      | 01.09.2016   | -63.153,53                                                                             |
| 5200008688      | 01.04.2016   | 63.079,81                                                                              |
| 5200008204      | 31.03.2016   | -63.079,81                                                                             |
| 4300285502      | 27.11.2017   | 63.072,31                                                                              |
| 5200011001      | 01.05.2016   | 62.946,92                                                                              |
| 5200010524      | 30.04.2016   | -62.946,92                                                                             |
| 5200029203      | 01.11.2015   | 62.945,71                                                                              |
| 5200028795      | 31.10.2015   | -62.945,71                                                                             |
| 5200014683      | 01.06.2016   | 62.937,09                                                                              |
| 5200016936      | 01.07.2016   | 62.937,09                                                                              |
| 5200020683      | 01.08.2016   | 62.937,09                                                                              |
| 5200023642      | 01.09.2016   | 62.937,09                                                                              |
| 5200026815      | 01.10.2016   | 62.937,09                                                                              |
| 5200029857      | 01.11.2016   | 62.937,09                                                                              |
| 5200032841      | 01.12.2016   | 62.937,09                                                                              |
| 5200000417      | 01.01.2017   | 62.937,09                                                                              |
| 5200003041      | 01.02.2017   | 62.937,09                                                                              |
| 5200006293      | 01.03.2017   | 62.937,09                                                                              |
| 5200009452      | 01.04.2017   | 62.937,09                                                                              |
| 5200014009      | 01.05.2017   | 62.937,09                                                                              |
| 5200018030      | 01.06.2017   | 62.937,09                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200021731      | 01.07.2017   | 62.937,09                                                                              |
| 5200024747      | 01.08.2017   | 62.937,09                                                                              |
| 5200028500      | 01.09.2017   | 62.937,09                                                                              |
| 5200032182      | 01.10.2017   | 62.937,09                                                                              |
| 5200035853      | 01.11.2017   | 62.937,09                                                                              |
| 5200040460      | 01.12.2017   | 62.937,09                                                                              |
| 5200014215      | 31.05.2016   | -62.937,09                                                                             |
| 5200016481      | 30.06.2016   | -62.937,09                                                                             |
| 5200020218      | 31.07.2016   | -62.937,09                                                                             |
| 5200023184      | 31.08.2016   | -62.937,09                                                                             |
| 5200026362      | 30.09.2016   | -62.937,09                                                                             |
| 5200029408      | 31.10.2016   | -62.937,09                                                                             |
| 5200032377      | 30.11.2016   | -62.937,09                                                                             |
| 5200034324      | 31.12.2016   | -62.937,09                                                                             |
| 5200002495      | 31.01.2017   | -62.937,09                                                                             |
| 5200005754      | 28.02.2017   | -62.937,09                                                                             |
| 5200008920      | 31.03.2017   | -62.937,09                                                                             |
| 5200013459      | 30.04.2017   | -62.937,09                                                                             |
| 5200017476      | 31.05.2017   | -62.937,09                                                                             |
| 5200021180      | 30.06.2017   | -62.937,09                                                                             |
| 5200024203      | 31.07.2017   | -62.937,09                                                                             |
| 5200027944      | 31.08.2017   | -62.937,09                                                                             |
| 5200031629      | 30.09.2017   | -62.937,09                                                                             |
| 5200035302      | 31.10.2017   | -62.937,09                                                                             |
| 5200039915      | 30.11.2017   | -62.937,09                                                                             |
| 5200042215      | 31.12.2017   | -62.937,09                                                                             |
| 5200004671      | 01.03.2015   | 62.860,17                                                                              |
| 5200004241      | 28.02.2015   | -62.860,17                                                                             |
| 4300297353      | 07.12.2017   | 62.771,00                                                                              |
| 5200026615      | 01.10.2013   | 62.691,09                                                                              |
| 5200026248      | 30.09.2013   | -62.691,09                                                                             |
| 4300313851      | 22.12.2017   | 62.625,62                                                                              |
| 4300314840      | 22.12.2017   | 62.625,62                                                                              |
| 5200001651      | 01.02.2014   | 62.586,30                                                                              |
| 5200001282      | 31.01.2014   | -62.586,30                                                                             |
| 5200028487      | 01.09.2017   | 62.566,17                                                                              |
| 5200027931      | 01.08.2017   | -62.566,17                                                                             |
| 5200040445      | 01.12.2017   | 62.531,50                                                                              |
| 5200039900      | 30.11.2017   | -62.531,50                                                                             |
| 5200032140      | 01.12.2015   | 62.502,15                                                                              |
| 5200031737      | 30.11.2015   | -62.502,15                                                                             |
| 5200032169      | 01.10.2017   | 62.350,00                                                                              |
| 5200031616      | 30.09.2017   | -62.350,00                                                                             |
| 5200029838      | 01.11.2016   | 62.078,11                                                                              |
| 5200029389      | 31.10.2016   | -62.078,11                                                                             |
| 5200010989      | 01.05.2016   | 62.038,06                                                                              |
| 5200010512      | 30.04.2016   | -62.038,06                                                                             |
| 5200032314      | 01.12.2016   | 62.030,33                                                                              |
| 5200032250      | 30.11.2016   | 62.030,33                                                                              |
| 5200032250      | 30.11.2016   | -62.030,33                                                                             |
| 5200032314      | 01.12.2016   | -62.030,33                                                                             |
| 5200000470      | 01.01.2013   | 61.882,05                                                                              |
| 5200030853      | 31.12.2012   | -61.882,05                                                                             |
| 5200028599      | 01.09.2017   | 61.774,65                                                                              |
| 5200028043      | 31.08.2017   | -61.774,65                                                                             |
| 5200033708      | 31.12.2015   | -61.586,99                                                                             |
| 4300291134      | 04.12.2017   | 61.565,05                                                                              |
| 4300291134      | 04.12.2017   | 61.565,05                                                                              |
| 4300291134      | 04.12.2017   | 61.565,05                                                                              |
| 5200040485      | 01.12.2017   | 61.405,56                                                                              |
| 5200039940      | 30.11.2017   | -61.405,56                                                                             |
| 5200018016      | 01.06.2017   | 60.913,74                                                                              |
| 5200017462      | 01.05.2017   | -60.913,74                                                                             |
| 5200000300      | 01.01.2016   | 60.802,88                                                                              |
| 5200033586      | 31.12.2015   | -60.802,88                                                                             |
| 4300315104      | 28.12.2017   | 60.707,35                                                                              |
| 5200015690      | 01.06.2013   | 60.666,52                                                                              |
| 5200015333      | 31.05.2013   | -60.666,52                                                                             |

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| 5200000398      | 01.01.2017   | 60.167,18                                                                              |
| 5200034305      | 31.12.2016   | -60.167,18                                                                             |
| 5200023630      | 01.09.2016   | 60.108,05                                                                              |
| 5200023172      | 31.08.2016   | -60.108,05                                                                             |
| 4300290608      | 04.12.2017   | 60.029,50                                                                              |
| 5200029346      | 01.11.2016   | 59.944,39                                                                              |
| 5200029287      | 31.10.2016   | 59.944,39                                                                              |
| 5200029287      | 31.10.2016   | -59.944,39                                                                             |
| 5200029346      | 01.11.2016   | -59.944,39                                                                             |
| 4300287957      | 28.11.2017   | 59.898,24                                                                              |
| 5200012056      | 01.05.2015   | 59.782,72                                                                              |
| 5200011643      | 30.04.2015   | -59.782,72                                                                             |
| 5200009145      | 01.05.2012   | 59.639,54                                                                              |
| 5200008867      | 30.04.2012   | -59.639,54                                                                             |
| 5200018400      | 01.08.2014   | 59.622,61                                                                              |
| 5200017977      | 31.07.2014   | -59.622,61                                                                             |
| 4300315487      | 29.12.2017   | 59.565,00                                                                              |
| 4300293551      | 06.12.2017   | 59.561,24                                                                              |
| 5200003177      | 01.02.2013   | 59.466,18                                                                              |
| 5200002838      | 31.01.2013   | -59.466,18                                                                             |
| 5200008683      | 01.04.2016   | 59.358,50                                                                              |
| 5200008199      | 31.03.2016   | -59.358,50                                                                             |
| 5200021717      | 01.07.2017   | 59.348,94                                                                              |
| 5200021166      | 30.06.2017   | -59.348,94                                                                             |
| 5200012066      | 01.05.2015   | 59.331,95                                                                              |
| 5200011653      | 30.04.2015   | -59.331,95                                                                             |
| 4300312875      | 22.12.2017   | 59.306,63                                                                              |
| 5200026233      | 01.10.2016   | 59.028,47                                                                              |
| 5200026170      | 30.09.2016   | 59.028,47                                                                              |
| 5200026170      | 30.09.2016   | -59.028,47                                                                             |
| 5200026233      | 01.10.2016   | -59.028,47                                                                             |
| 5200009838      | 01.05.2014   | 58.749,06                                                                              |
| 5200009416      | 30.04.2014   | -58.749,06                                                                             |
| 4300314844      | 22.12.2017   | 58.704,14                                                                              |
| 4300293545      | 06.12.2017   | 58.650,00                                                                              |
| 5200008691      | 01.04.2016   | 58.640,75                                                                              |
| 5200008207      | 31.03.2016   | -58.640,75                                                                             |
| 5200008674      | 01.04.2016   | 58.509,02                                                                              |
| 5200008190      | 31.03.2016   | -58.509,02                                                                             |
| 5200012057      | 01.05.2015   | 58.472,30                                                                              |
| 5200011644      | 30.04.2015   | -58.472,30                                                                             |
| 4300296362      | 05.12.2017   | 58.238,15                                                                              |
| 4300287592      | 21.11.2017   | 58.211,82                                                                              |
| 4300275241      | 15.11.2017   | 58.121,62                                                                              |
| 4300299663      | 08.12.2017   | 58.121,62                                                                              |
| 5200042145      | 31.12.2017   | 57.939,10                                                                              |
| 5200042145      | 31.12.2017   | -57.939,10                                                                             |
| 5200000364      | 01.01.2017   | 57.933,69                                                                              |
| 5200034271      | 31.12.2016   | 57.933,69                                                                              |
| 5200034271      | 31.12.2016   | -57.933,69                                                                             |
| 5200000364      | 01.01.2017   | -57.933,69                                                                             |
| 5200034843      | 31.10.2017   | 57.915,56                                                                              |
| 5200026392      | 01.10.2015   | 57.781,40                                                                              |
| 5200025978      | 30.09.2015   | -57.781,40                                                                             |
| 5200014793      | 01.07.2012   | 57.644,44                                                                              |
| 5200014503      | 30.06.2012   | -57.644,44                                                                             |
| 4300309305      | 11.12.2017   | 57.636,12                                                                              |
| 4300314789      | 14.12.2017   | 57.599,57                                                                              |
| 4300268695      | 10.11.2017   | 57.246,08                                                                              |
| 5200018014      | 01.06.2017   | 57.140,23                                                                              |
| 5200017460      | 31.05.2017   | -57.140,23                                                                             |
| 4300303881      | 16.12.2017   | 57.120,00                                                                              |
| 5200020250      | 01.09.2012   | 57.097,31                                                                              |
| 5200019964      | 31.08.2012   | -57.097,31                                                                             |
| 4300288675      | 27.11.2017   | 57.047,00                                                                              |
| 5200011000      | 01.05.2016   | 57.018,12                                                                              |
| 5200014682      | 01.06.2016   | 57.018,12                                                                              |
| 5200010523      | 30.04.2016   | -57.018,12                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

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| 5200014214      | 31.05.2016   | -57.018,12                                                                             |
| 5200008667      | 01.04.2016   | 57.000,00                                                                              |
| 5200010982      | 01.05.2016   | 57.000,00                                                                              |
| 5200014664      | 01.06.2016   | 57.000,00                                                                              |
| 5200008183      | 31.03.2016   | -57.000,00                                                                             |
| 5200010505      | 30.04.2016   | -57.000,00                                                                             |
| 5200014196      | 31.05.2016   | -57.000,00                                                                             |
| 4300312479      | 20.12.2017   | 56.998,95                                                                              |
| 5200029259      | 01.11.2013   | 56.913,24                                                                              |
| 5200028918      | 31.10.2013   | -56.913,24                                                                             |
| 5200006279      | 01.03.2017   | 56.696,40                                                                              |
| 5200005740      | 28.02.2017   | -56.696,40                                                                             |
| 5200020244      | 01.09.2012   | 56.683,22                                                                              |
| 5200019958      | 31.08.2012   | -56.683,22                                                                             |
| 4300286520      | 04.12.2017   | 56.640,00                                                                              |
| 5200008672      | 01.04.2016   | 56.572,48                                                                              |
| 5200008188      | 31.03.2016   | -56.572,48                                                                             |
| 5200017597      | 01.08.2012   | 56.540,09                                                                              |
| 5200017311      | 31.07.2012   | -56.540,09                                                                             |
| 5200013107      | 01.05.2013   | 56.492,38                                                                              |
| 5200012758      | 30.04.2013   | -56.492,38                                                                             |
| 5200021122      | 01.07.2017   | 56.464,40                                                                              |
| 5200021034      | 30.06.2017   | 56.464,40                                                                              |
| 5200021034      | 30.06.2017   | -56.464,40                                                                             |
| 5200021122      | 01.07.2017   | -56.464,40                                                                             |
| 4300298930      | 08.12.2017   | 56.337,00                                                                              |
| 5200018454      | 01.07.2013   | 56.318,56                                                                              |
| 5200018066      | 30.06.2013   | -56.318,56                                                                             |
| 4300275004      | 15.11.2017   | 56.235,90                                                                              |
| 4300293051      | 04.12.2017   | 56.041,34                                                                              |
| 4300301785      | 14.12.2017   | 56.026,66                                                                              |
| 5200005601      | 01.03.2016   | 56.008,52                                                                              |
| 5200005087      | 29.02.2016   | -56.008,52                                                                             |
| 4300312705      | 21.12.2017   | 55.889,75                                                                              |
| 5200013995      | 01.05.2017   | 55.820,78                                                                              |
| 5200013445      | 30.04.2017   | -55.820,78                                                                             |
| 4300313985      | 27.12.2017   | 55.817,75                                                                              |
| 4300315634      | 21.12.2017   | 55.778,32                                                                              |
| 5200000518      | 01.01.2017   | 55.687,36                                                                              |
| 5200006281      | 01.03.2017   | 55.528,03                                                                              |
| 5200005742      | 28.02.2017   | -55.528,03                                                                             |
| 5200014668      | 01.06.2016   | 55.480,51                                                                              |
| 5200014200      | 31.05.2016   | -55.480,51                                                                             |
| 5200010399      | 01.04.2013   | 55.326,68                                                                              |
| 5200010058      | 31.03.2013   | -55.326,68                                                                             |
| 4300306373      | 14.12.2017   | 55.260,74                                                                              |
| 4300315929      | 29.12.2017   | 55.260,74                                                                              |
| 5200028753      | 01.12.2012   | 55.199,48                                                                              |
| 5200028444      | 30.11.2012   | -55.199,48                                                                             |
| 5200035840      | 01.11.2017   | 55.152,36                                                                              |
| 5200035289      | 31.10.2017   | -55.152,36                                                                             |
| 5200002346      | 01.02.2012   | 55.129,51                                                                              |
| 5200002104      | 31.01.2012   | -55.129,51                                                                             |
| 5200024733      | 01.08.2017   | 55.053,90                                                                              |
| 5200024189      | 31.07.2017   | -55.053,90                                                                             |
| 5200000377      | 01.01.2014   | 54.974,08                                                                              |
| 5200033684      | 31.12.2013   | -54.974,08                                                                             |
| 5200013115      | 01.05.2013   | 54.837,72                                                                              |
| 5200012766      | 30.04.2013   | -54.837,72                                                                             |
| 5200009073      | 01.05.2012   | 54.828,20                                                                              |
| 5200008795      | 30.04.2012   | -54.828,20                                                                             |
| 5200023117      | 01.09.2015   | 54.816,77                                                                              |
| 5200022738      | 31.08.2015   | -54.816,77                                                                             |
| 5200023625      | 01.09.2016   | 54.774,77                                                                              |
| 5200023167      | 31.08.2016   | -54.774,77                                                                             |
| 5200028757      | 01.12.2012   | 54.694,55                                                                              |
| 5200028448      | 30.11.2012   | -54.694,55                                                                             |
| 5200004293      | 01.03.2014   | 54.520,51                                                                              |

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| 5200003894      | 28.02.2014   | -54.520,51                                                                             |
| 4300312111      | 22.12.2017   | 54.144,38                                                                              |
| 5200014943      | 01.06.2015   | 54.024,75                                                                              |
| 5200014553      | 31.05.2015   | -54.024,75                                                                             |
| 4800068920      | 20.12.2017   | 53.884,91                                                                              |
| 5200032822      | 01.12.2016   | 53.758,81                                                                              |
| 5200032358      | 30.11.2016   | -53.758,81                                                                             |
| 5200029834      | 01.11.2016   | 53.670,00                                                                              |
| 5200029385      | 31.10.2016   | -53.670,00                                                                             |
| 5200023917      | 01.09.2013   | 53.566,62                                                                              |
| 5200023565      | 31.08.2013   | -53.566,62                                                                             |
| 5200023913      | 01.09.2013   | 53.501,72                                                                              |
| 5200023561      | 31.08.2013   | -53.501,72                                                                             |
| 5200025812      | 31.10.2014   | 53.351,50                                                                              |
| 5200014662      | 01.06.2016   | 53.320,19                                                                              |
| 5200014194      | 31.05.2016   | -53.320,19                                                                             |
| 4300284934      | 23.11.2017   | 53.102,12                                                                              |
| 5200039842      | 01.12.2017   | 53.067,50                                                                              |
| 5200039747      | 30.11.2017   | 53.067,50                                                                              |
| 5200039747      | 30.11.2017   | -53.067,50                                                                             |
| 5200039842      | 01.12.2017   | -53.067,50                                                                             |
| 5200013111      | 01.05.2013   | 52.952,43                                                                              |
| 5200012762      | 30.04.2013   | -52.952,43                                                                             |
| 5200025935      | 01.11.2012   | 52.935,71                                                                              |
| 5200025630      | 31.10.2012   | -52.935,71                                                                             |
| 4300313387      | 14.12.2017   | 52.848,25                                                                              |
| 5200027831      | 01.09.2017   | 52.840,82                                                                              |
| 5200027757      | 31.08.2017   | 52.840,82                                                                              |
| 5200027757      | 31.08.2017   | -52.840,82                                                                             |
| 5200027831      | 01.09.2017   | -52.840,82                                                                             |
| 5200002701      | 31.01.2013   | -52.836,39                                                                             |
| 4300295992      | 06.12.2017   | 52.705,10                                                                              |
| 4300314842      | 22.12.2017   | 52.659,12                                                                              |
| 5200002402      | 01.02.2012   | 52.287,58                                                                              |
| 5200002160      | 31.01.2012   | -52.287,58                                                                             |
| 5200010984      | 01.05.2016   | 52.268,03                                                                              |
| 5200010507      | 30.04.2016   | -52.268,03                                                                             |
| 5200004204      | 01.03.2012   | 52.250,86                                                                              |
| 5200003932      | 29.02.2012   | -52.250,86                                                                             |
| 5200015483      | 01.07.2014   | 52.213,71                                                                              |
| 5200015055      | 30.06.2014   | -52.213,71                                                                             |
| 4300304479      | 07.12.2017   | 51.674,36                                                                              |
| 5200012514      | 01.06.2014   | 51.546,36                                                                              |
| 5200012069      | 31.05.2014   | -51.546,36                                                                             |
| 5200031516      | 01.10.2017   | 51.485,79                                                                              |
| 5200035228      | 01.11.2017   | 51.485,79                                                                              |
| 5200031445      | 30.09.2017   | 51.485,79                                                                              |
| 5200035149      | 31.10.2017   | 51.485,79                                                                              |
| 5200031445      | 30.09.2017   | -51.485,79                                                                             |
| 5200035149      | 31.10.2017   | -51.485,79                                                                             |
| 5200031516      | 01.10.2017   | -51.485,79                                                                             |
| 5200035228      | 01.11.2017   | -51.485,79                                                                             |
| 4300264618      | 03.11.2017   | 51.410,68                                                                              |
| 4300308735      | 18.12.2017   | 51.386,58                                                                              |
| 5200015688      | 01.06.2013   | 51.192,50                                                                              |
| 5200015331      | 31.05.2013   | -51.192,50                                                                             |
| 5200029262      | 01.11.2013   | 51.158,71                                                                              |
| 5200028921      | 31.10.2013   | -51.158,71                                                                             |
| 5200006273      | 01.03.2017   | 51.121,19                                                                              |
| 5200005734      | 28.02.2017   | -51.121,19                                                                             |
| 5200012122      | 01.06.2012   | 51.098,76                                                                              |
| 5200011848      | 31.05.2012   | -51.098,76                                                                             |
| 5200024079      | 01.08.2017   | 50.964,67                                                                              |
| 5200024007      | 31.07.2017   | 50.964,67                                                                              |
| 5200024007      | 31.07.2017   | -50.964,67                                                                             |
| 5200024079      | 01.08.2017   | -50.964,67                                                                             |
| 5200023908      | 01.09.2013   | 50.734,34                                                                              |
| 5200023556      | 31.08.2013   | -50.734,34                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300300289      | 12.12.2017   | 50.482,19                                                                              |
| 4300297395      | 06.12.2017   | 50.323,50                                                                              |
| 5200032820      | 01.12.2016   | 50.228,07                                                                              |
| 5200032356      | 30.11.2016   | -50.228,07                                                                             |
| 4300299336      | 11.12.2017   | 50.000,00                                                                              |
| 5200000476      | 01.01.2013   | 49.926,91                                                                              |
| 5200030859      | 31.12.2012   | -49.926,91                                                                             |
| 5200014837      | 01.07.2012   | 49.744,87                                                                              |
| 5200014547      | 30.06.2012   | -49.744,87                                                                             |
| 5200015691      | 01.06.2013   | 49.616,39                                                                              |
| 5200015334      | 31.05.2013   | -49.616,39                                                                             |
| 4300301241      | 08.12.2017   | 49.523,59                                                                              |
| 4300282104      | 23.11.2017   | 49.427,84                                                                              |
| 4300297297      | 07.12.2017   | 49.427,84                                                                              |
| 4300312073      | 19.12.2017   | 49.261,54                                                                              |
| 5200004270      | 01.03.2012   | 49.158,81                                                                              |
| 5200003998      | 29.02.2012   | -49.158,81                                                                             |
| 5200010401      | 01.04.2013   | 49.055,00                                                                              |
| 5200010060      | 31.03.2013   | -49.055,00                                                                             |
| 5200026804      | 01.10.2016   | 48.676,77                                                                              |
| 5200026351      | 30.09.2016   | -48.676,77                                                                             |
| 5200020663      | 01.08.2016   | 48.406,15                                                                              |
| 5200020198      | 31.07.2016   | -48.406,15                                                                             |
| 4300312724      | 21.12.2017   | 48.387,19                                                                              |
| 5200014801      | 01.07.2012   | 48.311,88                                                                              |
| 5200014511      | 30.06.2012   | -48.311,88                                                                             |
| 5200005600      | 01.03.2016   | 48.169,37                                                                              |
| 5200005086      | 29.02.2016   | -48.169,37                                                                             |
| 5200008670      | 01.04.2016   | 48.148,48                                                                              |
| 5200008186      | 31.03.2016   | -48.148,48                                                                             |
| 4300292069      | 03.12.2017   | 48.077,28                                                                              |
| 5200016931      | 01.07.2016   | 48.047,19                                                                              |
| 5200020678      | 01.08.2016   | 48.047,19                                                                              |
| 5200016476      | 30.06.2016   | -48.047,19                                                                             |
| 5200020213      | 31.07.2016   | -48.047,19                                                                             |
| 5200007550      | 01.03.2013   | 47.923,67                                                                              |
| 5200007219      | 28.02.2013   | -47.923,67                                                                             |
| 4300300465      | 13.12.2017   | 47.854,51                                                                              |
| 4300313072      | 27.12.2017   | 47.758,20                                                                              |
| 5200024846      | 01.08.2017   | 47.753,90                                                                              |
| 5200024302      | 31.07.2017   | -47.753,90                                                                             |
| 5200010502      | 01.04.2013   | 47.706,17                                                                              |
| 5200010161      | 31.03.2013   | -47.706,17                                                                             |
| 4300288430      | 29.11.2017   | 47.700,56                                                                              |
| 5200031799      | 01.12.2013   | 47.530,97                                                                              |
| 5200031444      | 30.11.2013   | -47.530,97                                                                             |
| 5200000481      | 01.01.2012   | 47.419,72                                                                              |
| 5200020010      | 31.12.2011   | -47.419,72                                                                             |
| 4300297339      | 08.12.2017   | 47.272,69                                                                              |
| 5200017698      | 01.07.2015   | 47.258,40                                                                              |
| 5200020405      | 01.08.2015   | 47.258,40                                                                              |
| 5200023174      | 01.09.2015   | 47.258,40                                                                              |
| 5200017346      | 30.06.2015   | -47.258,40                                                                             |
| 5200020038      | 31.07.2015   | -47.258,40                                                                             |
| 5200022795      | 31.08.2015   | -47.258,40                                                                             |
| 5200019049      | 30.11.2011   | 47.148,80                                                                              |
| 5200015630      | 30.09.2011   | 47.004,54                                                                              |
| 5200000315      | 01.01.2015   | 46.712,45                                                                              |
| 5200030990      | 31.12.2014   | -46.712,45                                                                             |
| 5200001547      | 01.02.2014   | 46.660,32                                                                              |
| 5200001178      | 31.01.2014   | -46.660,32                                                                             |
| 4300296274      | 12.12.2017   | 46.638,07                                                                              |
| 5200032283      | 01.10.2017   | 46.504,74                                                                              |
| 5200031730      | 30.09.2017   | -46.504,74                                                                             |
| 4300304131      | 14.12.2017   | 46.491,45                                                                              |
| 4300287600      | 24.11.2017   | 46.410,00                                                                              |
| 4300301242      | 08.12.2017   | 46.137,07                                                                              |
| 4300302809      | 13.12.2017   | 45.951,26                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200034425      | 31.12.2016   | -45.860,18                                                                             |
| 5200007542      | 01.03.2013   | 45.854,30                                                                              |
| 5200007211      | 28.02.2013   | -45.854,30                                                                             |
| 4300301932      | 08.12.2017   | 45.778,54                                                                              |
| 5200018021      | 01.06.2017   | 45.759,44                                                                              |
| 5200017467      | 31.05.2017   | -45.759,44                                                                             |
| 5200023728      | 01.10.2014   | 45.740,49                                                                              |
| 5200023403      | 30.09.2014   | -45.740,49                                                                             |
| 4300281118      | 10.11.2017   | 45.582,64                                                                              |
| 4300284885      | 21.11.2017   | 45.576,25                                                                              |
| 4300284912      | 21.11.2017   | 45.576,25                                                                              |
| 4300294637      | 07.12.2017   | 45.576,25                                                                              |
| 4300302837      | 14.12.2017   | 45.312,10                                                                              |
| 5200007102      | 28.02.2013   | 45.256,44                                                                              |
| 4300313026      | 27.12.2017   | 45.220,00                                                                              |
| 4300296052      | 06.12.2017   | 45.203,43                                                                              |
| 5200011945      | 31.05.2014   | 45.046,06                                                                              |
| 5200016928      | 01.07.2016   | 45.041,00                                                                              |
| 5200020675      | 01.08.2016   | 45.041,00                                                                              |
| 5200016473      | 30.06.2016   | -45.041,00                                                                             |
| 5200020210      | 31.07.2016   | -45.041,00                                                                             |
| 5200025943      | 01.11.2012   | 44.436,25                                                                              |
| 5200025638      | 31.10.2012   | -44.436,25                                                                             |
| 5200010988      | 01.05.2016   | 44.414,07                                                                              |
| 5200010511      | 30.04.2016   | -44.414,07                                                                             |
| 4300285920      | 28.11.2017   | 44.378,73                                                                              |
| 5200026357      | 01.11.2014   | 44.246,84                                                                              |
| 5200026004      | 31.10.2014   | -44.246,84                                                                             |
| 4300303389      | 14.12.2017   | 44.100,00                                                                              |
| 5200001775      | 01.02.2016   | 43.960,92                                                                              |
| 5200001291      | 31.01.2016   | -43.960,92                                                                             |
| 4300288182      | 30.11.2017   | 43.911,00                                                                              |
| 4300314811      | 01.12.2017   | 43.880,57                                                                              |
| 5200007883      | 01.04.2015   | 43.788,30                                                                              |
| 5200007481      | 31.03.2015   | -43.788,30                                                                             |
| 5200019769      | 31.07.2015   | 43.729,33                                                                              |
| 5200015788      | 01.06.2013   | 43.600,24                                                                              |
| 5200015431      | 31.05.2013   | -43.600,24                                                                             |
| 5200020251      | 01.09.2012   | 43.427,00                                                                              |
| 5200019965      | 31.08.2012   | -43.427,00                                                                             |
| 4300311852      | 22.12.2017   | 43.244,60                                                                              |
| 5200023934      | 01.09.2013   | 43.056,62                                                                              |
| 5200023582      | 31.08.2013   | -43.056,62                                                                             |
| 4300285927      | 28.11.2017   | 42.921,08                                                                              |
| 5200013205      | 01.05.2013   | 42.722,84                                                                              |
| 5200012856      | 30.04.2013   | -42.722,84                                                                             |
| 5200022260      | 01.10.2012   | 42.706,79                                                                              |
| 5200021966      | 30.09.2012   | -42.706,79                                                                             |
| 5200031276      | 30.09.2017   | 42.440,24                                                                              |
| 5200021295      | 01.08.2013   | 42.436,60                                                                              |
| 5200020940      | 31.07.2013   | -42.436,60                                                                             |
| 5200000528      | 01.01.2012   | 42.367,55                                                                              |
| 5200020057      | 31.12.2011   | -42.367,55                                                                             |
| 5200011655      | 31.05.2012   | 42.357,53                                                                              |
| 52000005144     | 28.02.2017   | 42.334,82                                                                              |
| 4300315745      | 27.12.2017   | 42.233,71                                                                              |
| 4300284915      | 21.11.2017   | 42.184,92                                                                              |
| 4300284918      | 21.11.2017   | 42.184,92                                                                              |
| 4300309721      | 12.12.2017   | 42.080,30                                                                              |
| 4300281100      | 10.11.2017   | 42.063,82                                                                              |
| 5200000303      | 01.01.2016   | 42.063,07                                                                              |
| 5200033589      | 31.12.2015   | -42.063,07                                                                             |
| 5200000532      | 01.01.2013   | 42.056,64                                                                              |
| 5200030915      | 31.12.2012   | -42.056,64                                                                             |
| 5200017599      | 01.08.2012   | 42.042,30                                                                              |
| 5200017313      | 31.07.2012   | -42.042,30                                                                             |
| 4300277541      | 21.11.2017   | 42.032,68                                                                              |
| 5200006722      | 01.04.2012   | 41.813,67                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006426      | 31.03.2012   | -41.813,67                                                                             |
| 5200000483      | 01.01.2012   | 41.800,00                                                                              |
| 5200020012      | 31.12.2011   | -41.800,00                                                                             |
| 5200006004      | 31.08.2008   | 41.742,06                                                                              |
| 5200001643      | 01.02.2014   | 41.738,99                                                                              |
| 5200001274      | 31.01.2014   | -41.738,99                                                                             |
| 4300276708      | 09.11.2017   | 41.667,45                                                                              |
| 5200008692      | 01.04.2016   | 41.520,01                                                                              |
| 5200008208      | 31.03.2016   | -41.520,01                                                                             |
| 5200016977      | 01.07.2016   | 41.343,16                                                                              |
| 5200016522      | 30.06.2016   | -41.343,16                                                                             |
| 5200003181      | 01.02.2013   | 41.259,67                                                                              |
| 5200002842      | 31.01.2013   | -41.259,67                                                                             |
| 4300250407      | 11.10.2017   | 41.245,20                                                                              |
| 5200033449      | 31.12.2015   | -41.146,29                                                                             |
| 5200002329      | 31.03.2009   | -41.085,76                                                                             |
| 4300293275      | 06.12.2017   | 40.894,31                                                                              |
| 5200003760      | 31.05.2009   | -40.533,49                                                                             |
| 5200003996      | 29.02.2016   | 40.437,63                                                                              |
| 4300299156      | 07.12.2017   | 40.435,03                                                                              |
| 5200015699      | 01.06.2013   | 40.173,80                                                                              |
| 5200015342      | 31.05.2013   | -40.173,80                                                                             |
| 4300282617      | 24.11.2017   | 39.957,23                                                                              |
| 4300315823      | 28.12.2017   | 39.840,00                                                                              |
| 4300288172      | 30.11.2017   | 39.781,37                                                                              |
| 5200027583      | 31.08.2017   | -39.771,16                                                                             |
| 5200028758      | 01.12.2012   | 39.718,11                                                                              |
| 5200028449      | 30.11.2012   | -39.718,11                                                                             |
| 5200041958      | 31.12.2017   | -39.589,87                                                                             |
| 5200008663      | 01.04.2016   | 39.485,01                                                                              |
| 5200008179      | 31.03.2016   | -39.485,01                                                                             |
| 4300306975      | 16.12.2017   | 39.448,50                                                                              |
| 4300309833      | 20.12.2017   | 39.448,50                                                                              |
| 5200008417      | 31.12.2009   | 39.445,27                                                                              |
| 5200014800      | 01.07.2012   | 39.325,16                                                                              |
| 5200014510      | 30.06.2012   | -39.325,16                                                                             |
| 4300150808      | 22.06.2017   | -39.200,00                                                                             |
| 4500002363      | 18.12.2017   | -39.177,18                                                                             |
| 5200002344      | 01.02.2012   | 39.054,72                                                                              |
| 5200002102      | 31.01.2012   | -39.054,72                                                                             |
| 4300311652      | 29.12.2017   | 39.000,00                                                                              |
| 5200000456      | 01.01.2012   | 38.887,46                                                                              |
| 5200019984      | 31.12.2011   | 38.887,46                                                                              |
| 5200019984      | 31.12.2011   | -38.887,46                                                                             |
| 5200000456      | 01.01.2012   | -38.887,46                                                                             |
| 5200034079      | 31.12.2016   | 38.842,29                                                                              |
| 5200017648      | 01.07.2015   | 38.765,90                                                                              |
| 5200017296      | 30.06.2015   | -38.765,90                                                                             |
| 6000307282      | 07.10.2014   | -38.738,16                                                                             |
| 4300187999      | 08.09.2017   | 38.702,40                                                                              |
| 4300284909      | 27.11.2017   | 38.471,49                                                                              |
| 4300287543      | 27.11.2017   | 38.467,07                                                                              |
| 4300274855      | 16.11.2017   | 38.200,00                                                                              |
| 5200007454      | 31.10.2008   | -38.188,69                                                                             |
| 4300303870      | 17.12.2017   | 38.164,16                                                                              |
| 5200003175      | 01.02.2013   | 38.125,00                                                                              |
| 5200002836      | 31.01.2013   | -38.125,00                                                                             |
| 4300306789      | 15.12.2017   | 38.004,44                                                                              |
| 4600001081      | 23.11.2016   | -37.945,00                                                                             |
| 5200001573      | 01.02.2014   | 37.899,12                                                                              |
| 5200001204      | 31.01.2014   | -37.899,12                                                                             |
| 5200001910      | 31.05.2001   | 37.834,28                                                                              |
| 5200002089      | 01.06.2001   | -37.834,28                                                                             |
| 4300282784      | 24.11.2017   | 37.794,40                                                                              |
| 5200021835      | 01.07.2017   | 37.747,08                                                                              |
| 5200021284      | 30.06.2017   | -37.747,08                                                                             |
| 5200016918      | 01.07.2016   | 37.733,09                                                                              |
| 5200016463      | 30.06.2016   | -37.733,09                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200029945      | 01.11.2016   | 37.685,54                                                                              |
| 5200029496      | 31.10.2016   | -37.685,54                                                                             |
| 4300304866      | 15.12.2017   | 37.658,50                                                                              |
| 4300312268      | 22.12.2017   | 37.623,99                                                                              |
| 4300313834      | 22.12.2017   | 37.623,99                                                                              |
| 5200016204      | 30.06.2016   | 37.596,58                                                                              |
| 4300278804      | 16.11.2017   | 37.452,23                                                                              |
| 5200031802      | 01.12.2013   | 37.449,41                                                                              |
| 5200031447      | 30.11.2013   | -37.449,41                                                                             |
| 4300312109      | 27.12.2017   | 37.437,79                                                                              |
| 5200020344      | 01.08.2015   | 37.409,73                                                                              |
| 5200019977      | 31.07.2015   | -37.409,73                                                                             |
| 5200042146      | 31.12.2017   | 37.371,94                                                                              |
| 5200042146      | 31.12.2017   | -37.371,94                                                                             |
| 5200003173      | 01.02.2013   | 37.351,81                                                                              |
| 5200002834      | 31.01.2013   | -37.351,81                                                                             |
| 5200025937      | 01.11.2012   | 37.338,97                                                                              |
| 5200025632      | 31.10.2012   | -37.338,97                                                                             |
| 4300307125      | 16.12.2017   | 37.332,55                                                                              |
| 5200000356      | 01.01.2014   | 37.312,13                                                                              |
| 5200033663      | 31.12.2013   | -37.312,13                                                                             |
| 5200020662      | 01.08.2016   | 37.180,28                                                                              |
| 5200020197      | 31.07.2016   | -37.180,28                                                                             |
| 4300315377      | 29.12.2017   | 37.168,14                                                                              |
| 5200008664      | 01.04.2016   | 37.116,81                                                                              |
| 5200008180      | 31.03.2016   | -37.116,81                                                                             |
| 5200032830      | 01.12.2016   | 37.033,45                                                                              |
| 5200032366      | 30.11.2016   | -37.033,45                                                                             |
| 5200007896      | 01.04.2015   | 36.958,51                                                                              |
| 5200007494      | 31.03.2015   | -36.958,51                                                                             |
| 5200006723      | 01.04.2012   | 36.760,71                                                                              |
| 5200006427      | 31.03.2012   | -36.760,71                                                                             |
| 4500002026      | 22.11.2017   | -36.742,44                                                                             |
| 4300297579      | 08.12.2017   | 36.735,30                                                                              |
| 4300309045      | 19.12.2017   | 36.705,31                                                                              |
| 5200010981      | 01.05.2016   | 36.570,09                                                                              |
| 5200010504      | 30.04.2016   | -36.570,09                                                                             |
| 4300279134      | 20.11.2017   | 36.549,09                                                                              |
| 4300315500      | 29.12.2017   | 36.491,27                                                                              |
| 5200006188      | 30.09.2007   | -36.455,89                                                                             |
| 5200005602      | 01.03.2016   | 36.379,24                                                                              |
| 5200005088      | 29.02.2016   | -36.379,24                                                                             |
| 4300296299      | 08.12.2017   | 36.365,52                                                                              |
| 4300308302      | 16.12.2017   | 36.212,18                                                                              |
| 5200020354      | 01.08.2015   | 36.158,51                                                                              |
| 5200019987      | 31.07.2015   | -36.158,51                                                                             |
| 5200035838      | 01.11.2017   | 36.135,70                                                                              |
| 5200035287      | 31.10.2017   | -36.135,70                                                                             |
| 4300288853      | 17.11.2017   | 36.122,08                                                                              |
| 4300306633      | 16.12.2017   | 36.088,42                                                                              |
| 4300305299      | 18.12.2017   | 36.076,68                                                                              |
| 4300278084      | 09.11.2017   | 36.072,85                                                                              |
| 5200011609      | 01.05.2015   | 36.012,44                                                                              |
| 5200011573      | 30.04.2015   | 36.012,44                                                                              |
| 5200011573      | 30.04.2015   | -36.012,44                                                                             |
| 5200011609      | 01.05.2015   | -36.012,44                                                                             |
| 5200012522      | 01.06.2014   | 35.972,80                                                                              |
| 5200012077      | 31.05.2014   | -35.972,80                                                                             |
| 5200018460      | 01.07.2013   | 35.956,30                                                                              |
| 5200018070      | 30.06.2013   | -35.956,30                                                                             |
| 5200026355      | 01.11.2014   | 35.721,45                                                                              |
| 5200026002      | 31.10.2014   | -35.721,45                                                                             |
| 5200000498      | 01.01.2012   | 35.707,10                                                                              |
| 5200020027      | 31.12.2011   | -35.707,10                                                                             |
| 4300286695      | 29.11.2017   | 35.700,00                                                                              |
| 4300287935      | 30.11.2017   | 35.700,00                                                                              |
| 5200003156      | 01.02.2017   | 35.423,25                                                                              |
| 5200002610      | 31.01.2017   | -35.423,25                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4600000427      | 03.05.2016   | 35.090,21                                                                              |
| 4300296595      | 06.12.2017   | 35.000,00                                                                              |
| 5200005144      | 28.02.2017   | -34.996,13                                                                             |
| 4300315598      | 16.12.2017   | 34.863,19                                                                              |
| 5200015482      | 01.07.2014   | 34.787,98                                                                              |
| 5200015054      | 30.06.2014   | -34.787,98                                                                             |
| 4300315307      | 27.12.2017   | 34.573,63                                                                              |
| 4300301238      | 08.12.2017   | 34.513,83                                                                              |
| 5200004201      | 01.03.2012   | 34.494,38                                                                              |
| 5200003929      | 29.02.2012   | -34.494,38                                                                             |
| 4300301881      | 02.12.2017   | 34.367,20                                                                              |
| 5200023637      | 01.09.2016   | 34.297,19                                                                              |
| 5200026810      | 01.10.2016   | 34.297,19                                                                              |
| 5200023179      | 31.08.2016   | -34.297,19                                                                             |
| 5200026357      | 30.09.2016   | -34.297,19                                                                             |
| 5200000316      | 01.01.2015   | 34.290,58                                                                              |
| 5200030991      | 31.12.2014   | -34.290,58                                                                             |
| 5200021129      | 01.09.2014   | 34.266,61                                                                              |
| 5200020696      | 31.08.2014   | -34.266,61                                                                             |
| 5200002369      | 01.02.2015   | 34.263,37                                                                              |
| 5200001946      | 31.01.2015   | -34.263,37                                                                             |
| 4300306708      | 16.12.2017   | 34.203,81                                                                              |
| 4300278887      | 21.11.2017   | 34.200,60                                                                              |
| 5200012521      | 01.06.2014   | 34.128,23                                                                              |
| 5200012076      | 31.05.2014   | -34.128,23                                                                             |
| 5200007064      | 01.04.2014   | 34.026,72                                                                              |
| 5200006660      | 31.03.2014   | -34.026,72                                                                             |
| 4300293757      | 27.12.2017   | 34.020,00                                                                              |
| 4300312201      | 06.12.2017   | 34.020,00                                                                              |
| 4300233851      | 29.09.2017   | -33.927,30                                                                             |
| 5200003286      | 01.02.2013   | 33.923,32                                                                              |
| 5200002946      | 31.01.2013   | -33.923,32                                                                             |
| 5200029900      | 01.11.2016   | 33.855,21                                                                              |
| 5200029451      | 31.10.2016   | -33.855,21                                                                             |
| 4800059543      | 10.11.2017   | 33.777,20                                                                              |
| 5200005668      | 30.04.2011   | -33.749,91                                                                             |
| 5200000320      | 01.01.2014   | 33.461,99                                                                              |
| 5200033625      | 31.12.2013   | 33.461,99                                                                              |
| 5200033625      | 31.12.2013   | -33.461,99                                                                             |
| 5200000320      | 01.01.2014   | -33.461,99                                                                             |
| 5200017113      | 30.06.2015   | -33.439,88                                                                             |
| 4300312865      | 21.12.2017   | 33.383,07                                                                              |
| 5200007446      | 01.04.2015   | 33.120,44                                                                              |
| 5200007403      | 31.03.2015   | 33.120,44                                                                              |
| 5200007403      | 31.03.2015   | -33.120,44                                                                             |
| 5200007446      | 01.04.2015   | -33.120,44                                                                             |
| 5200007065      | 01.04.2014   | 33.042,80                                                                              |
| 5200006661      | 31.03.2014   | -33.042,80                                                                             |
| 5200018489      | 01.07.2013   | 32.977,83                                                                              |
| 5200018091      | 30.06.2013   | -32.977,83                                                                             |
| 4300294069      | 04.12.2017   | 32.853,37                                                                              |
| 4300301989      | 08.12.2017   | 32.853,37                                                                              |
| 5200015480      | 01.07.2014   | 32.790,01                                                                              |
| 5200015052      | 30.06.2014   | -32.790,01                                                                             |
| 4300302322      | 04.12.2017   | 32.725,00                                                                              |
| 4300302322      | 04.12.2017   | 32.725,00                                                                              |
| 4300302322      | 04.12.2017   | 32.725,00                                                                              |
| 4300311851      | 22.12.2017   | 32.719,05                                                                              |
| 5200003138      | 01.05.2010   | 32.707,67                                                                              |
| 5200003106      | 30.04.2010   | 32.707,67                                                                              |
| 5200003106      | 30.04.2010   | -32.707,67                                                                             |
| 5200003138      | 01.05.2010   | -32.707,67                                                                             |
| 5200017636      | 01.07.2015   | 32.659,65                                                                              |
| 5200017284      | 30.06.2015   | -32.659,65                                                                             |
| 5200021128      | 01.09.2014   | 32.657,26                                                                              |
| 5200020695      | 31.08.2014   | -32.657,26                                                                             |
| 4300307632      | 17.12.2017   | 32.646,49                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200009791      | 31.03.2013   | 32.630,48                                                                              |
| 4300288306      | 02.11.2017   | 32.547,76                                                                              |
| 4300315684      | 27.12.2017   | 32.536,98                                                                              |
| 4300098757      | 19.04.2017   | 32.525,13                                                                              |
| 4300294034      | 05.12.2017   | 32.368,00                                                                              |
| 4300313353      | 22.12.2017   | 32.326,28                                                                              |
| 4300314843      | 22.12.2017   | 32.326,28                                                                              |
| 5200000438      | 01.01.2014   | 32.298,70                                                                              |
| 5200033745      | 31.12.2013   | -32.298,70                                                                             |
| 4300284911      | 27.11.2017   | 32.214,67                                                                              |
| 5200004676      | 01.03.2015   | 32.038,53                                                                              |
| 5200004246      | 28.02.2015   | -32.038,53                                                                             |
| 4300304781      | 15.12.2017   | 32.000,00                                                                              |
| 5200004903      | 31.07.2010   | -31.851,66                                                                             |
| 5200002306      | 30.06.2001   | 31.784,79                                                                              |
| 5200002493      | 01.07.2001   | -31.784,79                                                                             |
| 5200016913      | 01.07.2016   | 31.779,65                                                                              |
| 5200016458      | 30.06.2016   | -31.779,65                                                                             |
| 4300288510      | 30.11.2017   | 31.618,73                                                                              |
| 5200026483      | 01.10.2015   | 31.588,38                                                                              |
| 5200026069      | 30.09.2015   | -31.588,38                                                                             |
| 6000033587      | 03.02.2015   | -31.582,12                                                                             |
| 6000307283      | 07.10.2014   | -31.456,20                                                                             |
| 4300299062      | 11.12.2017   | 31.374,11                                                                              |
| 4300290398      | 04.12.2017   | -31.195,21                                                                             |
| 5200004295      | 01.03.2014   | 31.083,01                                                                              |
| 5200003896      | 28.02.2014   | -31.083,01                                                                             |
| 5200029023      | 01.12.2014   | 31.076,08                                                                              |
| 5200028660      | 30.11.2014   | -31.076,08                                                                             |
| 4000087329      | 15.03.2017   | 30.947,00                                                                              |
| 5200026901      | 01.10.2016   | 30.920,80                                                                              |
| 5200026448      | 30.09.2016   | -30.920,80                                                                             |
| 4300269920      | 10.11.2017   | 30.879,07                                                                              |
| 5200001129      | 01.02.2014   | 30.857,07                                                                              |
| 5200001118      | 31.01.2014   | 30.857,07                                                                              |
| 5200001118      | 31.01.2014   | -30.857,07                                                                             |
| 5200001129      | 01.02.2014   | -30.857,07                                                                             |
| 5200014885      | 01.07.2012   | 30.817,64                                                                              |
| 5200014595      | 30.06.2012   | -30.817,64                                                                             |
| 4300315390      | 29.12.2017   | 30.691,54                                                                              |
| 5200014473      | 01.06.2015   | 30.688,11                                                                              |
| 5200017248      | 01.07.2015   | 30.688,11                                                                              |
| 5200014439      | 31.05.2015   | 30.688,11                                                                              |
| 5200017213      | 30.06.2015   | 30.688,11                                                                              |
| 5200014439      | 31.05.2015   | -30.688,11                                                                             |
| 5200017213      | 30.06.2015   | -30.688,11                                                                             |
| 5200014473      | 01.06.2015   | -30.688,11                                                                             |
| 5200017248      | 01.07.2015   | -30.688,11                                                                             |
| 5200032938      | 01.12.2016   | 30.675,27                                                                              |
| 5200032474      | 30.11.2016   | -30.675,27                                                                             |
| 5200009382      | 01.06.2011   | 30.666,32                                                                              |
| 5200009349      | 31.05.2011   | 30.666,32                                                                              |
| 5200009349      | 31.05.2011   | -30.666,32                                                                             |
| 5200009382      | 01.06.2011   | -30.666,32                                                                             |
| 5200015648      | 31.10.2011   | -30.619,84                                                                             |
| 5200018555      | 01.07.2013   | 30.480,10                                                                              |
| 5200018157      | 30.06.2013   | -30.480,10                                                                             |
| 5200017636      | 01.08.2012   | 30.349,82                                                                              |
| 5200017350      | 31.07.2012   | -30.349,82                                                                             |
| 4300314276      | 27.12.2017   | 30.333,67                                                                              |
| 4300314278      | 27.12.2017   | 30.333,67                                                                              |
| 5200020283      | 01.09.2012   | 30.287,81                                                                              |
| 5200019997      | 31.08.2012   | -30.287,81                                                                             |
| 5200001543      | 01.02.2014   | 30.239,12                                                                              |
| 5200001174      | 31.01.2014   | -30.239,12                                                                             |
| 4300310625      | 20.12.2017   | 30.151,26                                                                              |
| 5200006310      | 01.03.2017   | 30.119,37                                                                              |
| 5200005771      | 28.02.2017   | -30.119,37                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300290709      | 04.12.2017   | 30.068,69                                                                              |
| 4300311659      | 29.12.2017   | 30.000,00                                                                              |
| 5200001056      | 31.01.2014   | 29.992,91                                                                              |
| 4300294390      | 07.12.2017   | 29.970,86                                                                              |
| 4300304637      | 14.12.2017   | 29.970,86                                                                              |
| 4300278690      | 20.11.2017   | 29.943,16                                                                              |
| 4300315311      | 27.12.2017   | 29.943,16                                                                              |
| 5200000421      | 01.01.2016   | 29.906,65                                                                              |
| 4300314182      | 28.12.2017   | 29.868,49                                                                              |
| 4300314182      | 28.12.2017   | 29.868,49                                                                              |
| 4300314182      | 28.12.2017   | 29.868,49                                                                              |
| 4300288853      | 17.11.2017   | 29.790,49                                                                              |
| 5200008534      | 31.03.2017   | -29.787,30                                                                             |
| 5200017638      | 01.07.2015   | 29.780,68                                                                              |
| 5200017286      | 30.06.2015   | -29.780,68                                                                             |
| 5200006392      | 01.03.2017   | 29.685,10                                                                              |
| 5200005853      | 28.02.2017   | -29.685,10                                                                             |
| 5200021705      | 01.07.2017   | 29.672,46                                                                              |
| 5200021154      | 30.06.2017   | -29.672,46                                                                             |
| 5200029839      | 01.11.2016   | 29.659,21                                                                              |
| 5200029390      | 31.10.2016   | -29.659,21                                                                             |
| 4300312991      | 27.12.2017   | 29.631,00                                                                              |
| 5200003606      | 31.05.2010   | 29.629,90                                                                              |
| 4300301788      | 06.12.2017   | 29.571,50                                                                              |
| 4300312949      | 21.12.2017   | 29.555,44                                                                              |
| 5200004321      | 01.03.2014   | 29.540,12                                                                              |
| 5200003922      | 28.02.2014   | -29.540,12                                                                             |
| 5200000380      | 01.01.2016   | 29.518,37                                                                              |
| 4300309661      | 20.12.2017   | 29.452,50                                                                              |
| 4300146743      | 16.06.2017   | 29.353,41                                                                              |
| 4300162225      | 10.07.2017   | -29.114,70                                                                             |
| 5200006268      | 01.03.2017   | 29.040,59                                                                              |
| 5200009426      | 01.04.2017   | 29.040,59                                                                              |
| 5200013983      | 01.05.2017   | 29.040,59                                                                              |
| 5200018004      | 01.06.2017   | 29.040,59                                                                              |
| 5200005729      | 28.02.2017   | -29.040,59                                                                             |
| 5200008894      | 31.03.2017   | -29.040,59                                                                             |
| 5200013433      | 30.04.2017   | -29.040,59                                                                             |
| 5200017450      | 31.05.2017   | -29.040,59                                                                             |
| 5200023726      | 01.09.2016   | 29.035,49                                                                              |
| 5200023268      | 31.08.2016   | -29.035,49                                                                             |
| 5200021798      | 30.09.2012   | -28.964,17                                                                             |
| 5200000444      | 01.01.2013   | 28.938,01                                                                              |
| 5200030827      | 31.12.2012   | 28.938,01                                                                              |
| 5200030827      | 31.12.2012   | -28.938,01                                                                             |
| 5200000444      | 01.01.2013   | -28.938,01                                                                             |
| 4300310511      | 20.12.2017   | 28.930,13                                                                              |
| 5200042322      | 31.12.2017   | -28.779,90                                                                             |
| 4300301998      | 11.12.2017   | 28.738,50                                                                              |
| 5200018404      | 01.08.2014   | 28.725,15                                                                              |
| 5200017981      | 31.07.2014   | -28.725,15                                                                             |
| 5200001778      | 01.02.2016   | 28.713,45                                                                              |
| 5200001294      | 31.01.2016   | -28.713,45                                                                             |
| 4300298637      | 08.12.2017   | 28.693,61                                                                              |
| 6000205210      | 06.07.2017   | 28.468,32                                                                              |
| 4800063401      | 28.11.2017   | 28.467,55                                                                              |
| 5200007890      | 01.04.2015   | 28.455,78                                                                              |
| 5200007488      | 31.03.2015   | -28.455,78                                                                             |
| 4500002469      | 29.12.2017   | -28.455,76                                                                             |
| 4300300201      | 12.12.2017   | 28.375,33                                                                              |
| 5200021304      | 01.08.2013   | 28.330,82                                                                              |
| 5200020949      | 31.07.2013   | -28.330,82                                                                             |
| 4300284472      | 27.11.2017   | 28.301,50                                                                              |
| 4300292117      | 04.12.2017   | 28.301,50                                                                              |
| 4300295447      | 06.12.2017   | 28.276,89                                                                              |
| 4300281297      | 22.11.2017   | 28.203,06                                                                              |
| 4300313601      | 27.12.2017   | 28.178,45                                                                              |
| 5000002440      | 31.12.2010   | 28.131,40                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008083      | 31.12.2010   | 28.131,40                                                                              |
| 5200007972      | 31.12.2010   | -28.131,40                                                                             |
| 5200008083      | 31.12.2010   | -28.131,40                                                                             |
| 4300301843      | 14.12.2017   | 28.108,18                                                                              |
| 5200005621      | 01.03.2016   | 28.063,09                                                                              |
| 5200005107      | 29.02.2016   | -28.063,09                                                                             |
| 4300254338      | 24.10.2017   | 28.032,59                                                                              |
| 5200026797      | 01.10.2016   | 28.027,75                                                                              |
| 5200026344      | 30.09.2016   | -28.027,75                                                                             |
| 5200006724      | 01.04.2012   | 28.027,47                                                                              |
| 5200006428      | 31.03.2012   | -28.027,47                                                                             |
| 4300307782      | 18.12.2017   | 27.883,13                                                                              |
| 4300293215      | 02.12.2017   | 27.879,33                                                                              |
| 5200007058      | 01.04.2014   | 27.444,81                                                                              |
| 5200006654      | 31.03.2014   | -27.444,81                                                                             |
| 4300306353      | 15.12.2017   | 27.403,80                                                                              |
| 5200008581      | 31.12.2008   | 27.374,78                                                                              |
| 4300302958      | 14.12.2017   | 27.352,66                                                                              |
| 5200035957      | 01.11.2017   | 27.312,92                                                                              |
| 5200035406      | 31.10.2017   | -27.312,92                                                                             |
| 4300299159      | 08.12.2017   | 27.100,11                                                                              |
| 5200002302      | 31.03.2008   | -27.039,17                                                                             |
| 2742251         | 01.08.1997   | 27.013,69                                                                              |
| 2742250         | 31.07.1997   | -27.013,69                                                                             |
| 5200037257      | 31.12.2001   | 26.974,06                                                                              |
| 5200017684      | 01.08.2012   | 26.891,20                                                                              |
| 5200017398      | 31.07.2012   | -26.891,20                                                                             |
| 4300281151      | 22.11.2017   | 26.809,06                                                                              |
| 4300288190      | 30.11.2017   | 26.780,50                                                                              |
| 4300306612      | 16.12.2017   | 26.763,89                                                                              |
| 5200002418      | 01.04.2010   | 26.729,83                                                                              |
| 5200002372      | 31.03.2010   | 26.729,83                                                                              |
| 5200002372      | 31.03.2010   | -26.729,83                                                                             |
| 5200002418      | 01.04.2010   | -26.729,83                                                                             |
| 5200017113      | 30.06.2015   | 26.721,81                                                                              |
| 4300239821      | 10.10.2017   | 26.718,33                                                                              |
| 4800064146      | 30.11.2017   | 26.659,73                                                                              |
| 5200026723      | 01.10.2013   | 26.626,85                                                                              |
| 5200026356      | 30.09.2013   | -26.626,85                                                                             |
| 5200023205      | 01.09.2015   | 26.519,04                                                                              |
| 5200022826      | 31.08.2015   | -26.519,04                                                                             |
| 5200017466      | 01.11.2011   | 26.481,94                                                                              |
| 5200017446      | 31.10.2011   | 26.481,94                                                                              |
| 5200017446      | 31.10.2011   | -26.481,94                                                                             |
| 5200017466      | 01.11.2011   | -26.481,94                                                                             |
| 5200021252      | 01.09.2014   | 26.478,24                                                                              |
| 5200020819      | 31.08.2014   | -26.478,24                                                                             |
| 5200009833      | 01.05.2014   | 26.476,21                                                                              |
| 5200009411      | 30.04.2014   | -26.476,21                                                                             |
| 5200006611      | 01.04.2014   | 26.434,10                                                                              |
| 5200006603      | 31.03.2014   | 26.434,10                                                                              |
| 5200006603      | 31.03.2014   | -26.434,10                                                                             |
| 5200006611      | 01.04.2014   | -26.434,10                                                                             |
| 5200019134      | 01.12.2011   | 26.433,78                                                                              |
| 5200019110      | 30.11.2011   | 26.433,78                                                                              |
| 5200019110      | 30.11.2011   | -26.433,78                                                                             |
| 5200019134      | 01.12.2011   | -26.433,78                                                                             |
| 5200000354      | 01.01.2014   | 26.373,08                                                                              |
| 5200033661      | 31.12.2013   | -26.373,08                                                                             |
| 5200008791      | 01.04.2016   | 26.328,41                                                                              |
| 5200008307      | 31.03.2016   | -26.328,41                                                                             |
| 5200032252      | 01.12.2015   | 26.305,68                                                                              |
| 5200031849      | 30.11.2015   | -26.305,68                                                                             |
| 4300278996      | 21.11.2017   | 26.302,24                                                                              |
| 5200019791      | 31.08.2012   | -26.286,44                                                                             |
| 4300266427      | 06.11.2017   | 26.195,34                                                                              |
| 4300299274      | 08.12.2017   | 26.195,34                                                                              |
| 5200031794      | 01.12.2013   | 26.112,87                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031439      | 30.11.2013   | -26.112,87                                                                             |
| 5200023629      | 01.09.2016   | 26.018,00                                                                              |
| 5200023171      | 31.08.2016   | -26.018,00                                                                             |
| 5200023730      | 01.10.2014   | 25.995,08                                                                              |
| 5200023405      | 30.09.2014   | -25.995,08                                                                             |
| 4300150374      | 10.06.2017   | 25.908,28                                                                              |
| 5200031361      | 01.12.2013   | 25.815,74                                                                              |
| 5200031348      | 30.11.2013   | 25.815,74                                                                              |
| 5200031348      | 30.11.2013   | -25.815,74                                                                             |
| 5200031361      | 01.12.2013   | -25.815,74                                                                             |
| 5200023918      | 01.09.2013   | 25.810,43                                                                              |
| 5200023566      | 31.08.2013   | -25.810,43                                                                             |
| 5200002798      | 01.02.2013   | 25.773,82                                                                              |
| 5200007159      | 01.03.2013   | 25.773,82                                                                              |
| 5200002780      | 31.01.2013   | 25.773,82                                                                              |
| 5200007147      | 28.02.2013   | 25.773,82                                                                              |
| 5200002780      | 31.01.2013   | -25.773,82                                                                             |
| 5200007147      | 28.02.2013   | -25.773,82                                                                             |
| 5200002798      | 01.02.2013   | -25.773,82                                                                             |
| 5200007159      | 01.03.2013   | -25.773,82                                                                             |
| 4300312725      | 21.12.2017   | 25.740,32                                                                              |
| 4300255569      | 25.10.2017   | 25.724,52                                                                              |
| 5200032837      | 01.12.2016   | 25.691,71                                                                              |
| 5200000413      | 01.01.2017   | 25.691,71                                                                              |
| 5200003037      | 01.02.2017   | 25.691,71                                                                              |
| 5200006289      | 01.03.2017   | 25.691,71                                                                              |
| 5200009447      | 01.04.2017   | 25.691,71                                                                              |
| 5200014005      | 01.05.2017   | 25.691,71                                                                              |
| 5200018026      | 01.06.2017   | 25.691,71                                                                              |
| 5200021727      | 01.07.2017   | 25.691,71                                                                              |
| 5200024743      | 01.08.2017   | 25.691,71                                                                              |
| 5200028496      | 01.09.2017   | 25.691,71                                                                              |
| 5200032178      | 01.10.2017   | 25.691,71                                                                              |
| 5200035849      | 01.11.2017   | 25.691,71                                                                              |
| 5200040456      | 01.12.2017   | 25.691,71                                                                              |
| 5200032373      | 30.11.2016   | -25.691,71                                                                             |
| 5200034320      | 31.12.2016   | -25.691,71                                                                             |
| 5200002491      | 31.01.2017   | -25.691,71                                                                             |
| 5200005750      | 28.02.2017   | -25.691,71                                                                             |
| 5200008915      | 31.03.2017   | -25.691,71                                                                             |
| 5200013455      | 30.04.2017   | -25.691,71                                                                             |
| 5200017472      | 31.05.2017   | -25.691,71                                                                             |
| 5200021176      | 30.06.2017   | -25.691,71                                                                             |
| 5200024199      | 31.07.2017   | -25.691,71                                                                             |
| 5200027940      | 31.08.2017   | -25.691,71                                                                             |
| 5200031625      | 30.09.2017   | -25.691,71                                                                             |
| 5200035298      | 31.10.2017   | -25.691,71                                                                             |
| 5200039911      | 30.11.2017   | -25.691,71                                                                             |
| 5200042211      | 31.12.2017   | -25.691,71                                                                             |
| 5200017343      | 31.10.2011   | -25.690,10                                                                             |
| 5200040556      | 01.12.2017   | 25.675,92                                                                              |
| 5200040011      | 30.11.2017   | -25.675,92                                                                             |
| 5200000341      | 01.01.2011   | 25.647,92                                                                              |
| 5200007922      | 31.12.2010   | 25.647,92                                                                              |
| 5200007922      | 31.12.2010   | -25.647,92                                                                             |
| 5200000341      | 01.01.2011   | -25.647,92                                                                             |
| 5200001648      | 01.02.2014   | 25.577,34                                                                              |
| 5200001279      | 31.01.2014   | -25.577,34                                                                             |
| 4300089893      | 25.04.2017   | 25.512,41                                                                              |
| 5200023505      | 01.09.2013   | 25.490,50                                                                              |
| 5200026156      | 01.10.2013   | 25.490,50                                                                              |
| 5200023494      | 31.08.2013   | 25.490,50                                                                              |
| 5200026144      | 30.09.2013   | 25.490,50                                                                              |
| 5200023494      | 31.08.2013   | -25.490,50                                                                             |
| 5200026144      | 30.09.2013   | -25.490,50                                                                             |
| 5200023505      | 01.09.2013   | -25.490,50                                                                             |
| 5200026156      | 01.10.2013   | -25.490,50                                                                             |
| 4300301253      | 08.12.2017   | 25.421,88                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001897      | 31.01.2012   | -25.232,93                                                                             |
| 5200004165      | 01.03.2015   | 25.183,24                                                                              |
| 5200004123      | 28.02.2015   | 25.183,24                                                                              |
| 5200004123      | 28.02.2015   | -25.183,24                                                                             |
| 5200004165      | 01.03.2015   | -25.183,24                                                                             |
| 5200012519      | 01.06.2014   | 25.167,01                                                                              |
| 5200012074      | 31.05.2014   | -25.167,01                                                                             |
| 5200018552      | 01.07.2013   | 25.108,80                                                                              |
| 5200018154      | 30.06.2013   | -25.108,80                                                                             |
| 5200013998      | 01.05.2017   | 25.043,86                                                                              |
| 5200013448      | 30.04.2017   | -25.043,86                                                                             |
| 4300292083      | 04.12.2017   | 25.041,41                                                                              |
| 4300296059      | 06.12.2017   | 25.032,00                                                                              |
| 5200017594      | 01.08.2012   | 24.977,77                                                                              |
| 5200017308      | 31.07.2012   | -24.977,77                                                                             |
| 5200003178      | 01.02.2013   | 24.935,15                                                                              |
| 5200002839      | 31.01.2013   | -24.935,15                                                                             |
| 5200000312      | 01.01.2015   | 24.929,45                                                                              |
| 5200030987      | 31.12.2014   | -24.929,45                                                                             |
| 5200028871      | 01.11.2013   | 24.896,03                                                                              |
| 5200028844      | 31.10.2013   | 24.896,03                                                                              |
| 5200028844      | 31.10.2013   | -24.896,03                                                                             |
| 5200028871      | 01.11.2013   | -24.896,03                                                                             |
| 6000041815      | 10.02.2015   | -24.865,29                                                                             |
| 5200009349      | 01.05.2014   | 24.847,16                                                                              |
| 5200009335      | 30.04.2014   | 24.847,16                                                                              |
| 5200009335      | 30.04.2014   | -24.847,16                                                                             |
| 5200009349      | 01.05.2014   | -24.847,16                                                                             |
| 5200007517      | 30.06.2002   | -24.764,37                                                                             |
| 4300150804      | 22.06.2017   | -24.690,25                                                                             |
| 5200015278      | 01.06.2013   | 24.523,53                                                                              |
| 5200015265      | 31.05.2013   | 24.523,53                                                                              |
| 5200015265      | 31.05.2013   | -24.523,53                                                                             |
| 5200015278      | 01.06.2013   | -24.523,53                                                                             |
| 5200020815      | 01.08.2013   | 24.495,95                                                                              |
| 5200020803      | 31.07.2013   | 24.495,95                                                                              |
| 5200020803      | 31.07.2013   | -24.495,95                                                                             |
| 5200020815      | 01.08.2013   | -24.495,95                                                                             |
| 5200023727      | 01.10.2014   | 24.480,17                                                                              |
| 5200023402      | 30.09.2014   | -24.480,17                                                                             |
| 4300284827      | 21.11.2017   | 24.424,37                                                                              |
| 4300284897      | 21.11.2017   | 24.424,37                                                                              |
| 5200000278      | 01.01.2015   | 24.396,09                                                                              |
| 5200001902      | 01.02.2015   | 24.396,09                                                                              |
| 5200030953      | 31.12.2014   | 24.396,09                                                                              |
| 5200001860      | 31.01.2015   | 24.396,09                                                                              |
| 5200030953      | 31.12.2014   | -24.396,09                                                                             |
| 5200001860      | 31.01.2015   | -24.396,09                                                                             |
| 5200000278      | 01.01.2015   | -24.396,09                                                                             |
| 5200001902      | 01.02.2015   | -24.396,09                                                                             |
| 4300299549      | 09.12.2017   | 24.385,96                                                                              |
| 4300276447      | 17.11.2017   | 24.347,40                                                                              |
| 4300311746      | 22.12.2017   | 24.347,40                                                                              |
| 5200002399      | 01.02.2012   | 24.331,32                                                                              |
| 5200002157      | 31.01.2012   | -24.331,32                                                                             |
| 4300310994      | 20.12.2017   | 24.250,00                                                                              |
| 4300302248      | 11.12.2017   | 24.242,87                                                                              |
| 4300231445      | 08.10.2017   | 24.162,74                                                                              |
| 4300281511      | 23.11.2017   | 24.156,00                                                                              |
| 5200040557      | 01.12.2017   | 24.070,88                                                                              |
| 5200040012      | 30.11.2017   | -24.070,88                                                                             |
| 4300217987      | 11.09.2017   | 24.049,90                                                                              |
| 4300293244      | 06.12.2017   | -23.969,20                                                                             |
| 4300297393      | 01.12.2017   | -23.969,20                                                                             |
| 5200001046      | 01.02.2010   | 23.801,17                                                                              |
| 5200001023      | 31.01.2010   | 23.801,17                                                                              |
| 5200001023      | 31.01.2010   | -23.801,17                                                                             |
| 5200001046      | 01.02.2010   | -23.801,17                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001670      | 01.03.2010   | 23.796,90                                                                              |
| 5200001645      | 28.02.2010   | 23.796,90                                                                              |
| 5200001645      | 28.02.2010   | -23.796,90                                                                             |
| 5200001670      | 01.03.2010   | -23.796,90                                                                             |
| 5200004794      | 01.03.2015   | 23.782,14                                                                              |
| 5200004364      | 28.02.2015   | -23.782,14                                                                             |
| 5200002365      | 01.02.2015   | 23.759,60                                                                              |
| 5200001942      | 31.01.2015   | -23.759,60                                                                             |
| 5200018002      | 01.07.2013   | 23.741,60                                                                              |
| 5200017987      | 30.06.2013   | 23.741,60                                                                              |
| 5200017987      | 30.06.2013   | -23.741,60                                                                             |
| 5200018002      | 01.07.2013   | -23.741,60                                                                             |
| 4300306636      | 16.12.2017   | 23.669,10                                                                              |
| 5200023351      | 01.10.2014   | 23.652,17                                                                              |
| 5200023338      | 30.09.2014   | 23.652,17                                                                              |
| 5200023338      | 30.09.2014   | -23.652,17                                                                             |
| 5200023351      | 01.10.2014   | -23.652,17                                                                             |
| 6000288872      | 12.10.2007   | 23.617,85                                                                              |
| 5200028490      | 01.09.2017   | 23.615,03                                                                              |
| 5200027934      | 31.08.2017   | -23.615,03                                                                             |
| 4300285887      | 22.11.2017   | 23.606,63                                                                              |
| 4300028121      | 27.02.2014   | -23.570,45                                                                             |
| 5200023992      | 01.09.2013   | 23.529,37                                                                              |
| 5200023640      | 31.08.2013   | -23.529,37                                                                             |
| 4300308237      | 18.12.2017   | 23.520,00                                                                              |
| 4300281608      | 23.11.2017   | 23.502,50                                                                              |
| 5200005542      | 31.08.2010   | 23.458,22                                                                              |
| 4300312957      | 22.12.2017   | 23.433,96                                                                              |
| 4300258531      | 23.10.2017   | -23.419,20                                                                             |
| 5200029021      | 01.12.2014   | 23.369,41                                                                              |
| 5200028658      | 30.11.2014   | -23.369,41                                                                             |
| 5200007884      | 01.04.2015   | 23.303,53                                                                              |
| 5200007482      | 31.03.2015   | -23.303,53                                                                             |
| 5200015064      | 01.06.2015   | 23.268,87                                                                              |
| 5200014674      | 31.05.2015   | -23.268,87                                                                             |
| 5200020706      | 31.07.2013   | -23.253,14                                                                             |
| 5200031433      | 01.12.2015   | -23.241,07                                                                             |
| 4300287629      | 24.11.2017   | 23.240,70                                                                              |
| 5200018520      | 01.08.2014   | 23.172,31                                                                              |
| 5200018097      | 31.07.2014   | -23.172,31                                                                             |
| 5200000473      | 01.01.2013   | 23.163,28                                                                              |
| 5200030856      | 31.12.2012   | -23.163,28                                                                             |
| 5200028404      | 01.12.2012   | 23.150,94                                                                              |
| 5200028389      | 30.11.2012   | 23.150,94                                                                              |
| 5200028389      | 30.11.2012   | -23.150,94                                                                             |
| 5200028404      | 01.12.2012   | -23.150,94                                                                             |
| 5200014775      | 01.06.2016   | 23.122,34                                                                              |
| 5200014307      | 31.05.2016   | -23.122,34                                                                             |
| 4300303523      | 11.12.2017   | 23.122,18                                                                              |
| 4300307090      | 16.12.2017   | 23.104,14                                                                              |
| 5200032148      | 01.12.2015   | 23.077,08                                                                              |
| 5200031745      | 30.11.2015   | -23.077,08                                                                             |
| 5200003030      | 01.02.2017   | 23.076,29                                                                              |
| 5200002484      | 31.01.2017   | -23.076,29                                                                             |
| 4300278607      | 20.11.2017   | 23.070,10                                                                              |
| 5200003117      | 30.04.2008   | 23.026,91                                                                              |
| 5200029126      | 01.12.2014   | 22.998,53                                                                              |
| 5200028763      | 30.11.2014   | -22.998,53                                                                             |
| 4300289433      | 01.12.2017   | 22.982,47                                                                              |
| 4300285590      | 01.12.2017   | 22.918,92                                                                              |
| 5200000858      | 31.01.2010   | 22.904,96                                                                              |
| 4300276768      | 10.11.2017   | 22.851,13                                                                              |
| 5200012060      | 01.05.2015   | 22.826,37                                                                              |
| 5200011647      | 30.04.2015   | -22.826,37                                                                             |
| 4300296802      | 06.12.2017   | 22.728,63                                                                              |
| 4300308138      | 18.12.2017   | 22.728,63                                                                              |
| 4000192598      | 17.06.2015   | 22.687,34                                                                              |
| 5200025929      | 01.11.2014   | 22.676,96                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200025913      | 31.10.2014   | 22.676,96                                                                              |
| 5200025913      | 31.10.2014   | -22.676,96                                                                             |
| 5200025929      | 01.11.2014   | -22.676,96                                                                             |
| 5200020353      | 01.08.2015   | 22.662,42                                                                              |
| 5200019986      | 31.07.2015   | -22.662,42                                                                             |
| 5200032143      | 01.12.2015   | 22.528,40                                                                              |
| 5200000297      | 01.01.2016   | 22.528,40                                                                              |
| 5200001772      | 01.02.2016   | 22.528,40                                                                              |
| 5200005616      | 01.03.2016   | 22.528,40                                                                              |
| 5200008686      | 01.04.2016   | 22.528,40                                                                              |
| 5200010999      | 01.05.2016   | 22.528,40                                                                              |
| 5200031740      | 30.11.2015   | -22.528,40                                                                             |
| 5200033583      | 31.12.2015   | -22.528,40                                                                             |
| 5200001288      | 31.01.2016   | -22.528,40                                                                             |
| 5200005102      | 29.02.2016   | -22.528,40                                                                             |
| 5200008202      | 31.03.2016   | -22.528,40                                                                             |
| 5200010522      | 30.04.2016   | -22.528,40                                                                             |
| 4300281528      | 24.11.2017   | 22.450,93                                                                              |
| 5200020658      | 01.08.2016   | 22.416,51                                                                              |
| 5200020193      | 31.07.2016   | -22.416,51                                                                             |
| 5200021135      | 01.09.2014   | 22.377,68                                                                              |
| 5200020702      | 31.08.2014   | -22.377,68                                                                             |
| 4300286729      | 28.11.2017   | 22.373,04                                                                              |
| 5200023207      | 01.09.2015   | 22.354,76                                                                              |
| 5200022828      | 31.08.2015   | -22.354,76                                                                             |
| 5200029346      | 01.11.2013   | 22.328,43                                                                              |
| 5200029005      | 31.10.2013   | -22.328,43                                                                             |
| 5200020607      | 01.09.2014   | 22.274,18                                                                              |
| 5200020593      | 31.08.2014   | 22.274,18                                                                              |
| 5200020593      | 31.08.2014   | -22.274,18                                                                             |
| 5200020607      | 01.09.2014   | -22.274,18                                                                             |
| 4300302578      | 15.12.2017   | 22.255,38                                                                              |
| 5200012003      | 01.06.2014   | 22.193,15                                                                              |
| 5200014992      | 01.07.2014   | 22.193,15                                                                              |
| 5200011990      | 31.05.2014   | 22.193,15                                                                              |
| 5200014977      | 30.06.2014   | 22.193,15                                                                              |
| 5200011990      | 31.05.2014   | -22.193,15                                                                             |
| 5200014977      | 30.06.2014   | -22.193,15                                                                             |
| 5200012003      | 01.06.2014   | -22.193,15                                                                             |
| 5200014992      | 01.07.2014   | -22.193,15                                                                             |
| 5200020436      | 01.08.2015   | 22.181,63                                                                              |
| 5200020069      | 31.07.2015   | -22.181,63                                                                             |
| 5200009984      | 01.04.2013   | 22.175,65                                                                              |
| 5200009970      | 31.03.2013   | 22.175,65                                                                              |
| 5200009970      | 31.03.2013   | -22.175,65                                                                             |
| 5200009984      | 01.04.2013   | -22.175,65                                                                             |
| 4300299268      | 08.12.2017   | 22.162,56                                                                              |
| 5200029322      | 01.11.2015   | 22.154,29                                                                              |
| 5200028914      | 31.10.2015   | -22.154,29                                                                             |
| 4300263274      | 06.11.2017   | 22.149,71                                                                              |
| 5200012159      | 01.05.2015   | 22.100,67                                                                              |
| 5200011746      | 30.04.2015   | -22.100,67                                                                             |
| 5200003803      | 01.03.2014   | 21.981,63                                                                              |
| 5200003794      | 28.02.2014   | 21.981,63                                                                              |
| 5200003794      | 28.02.2014   | -21.981,63                                                                             |
| 5200003803      | 01.03.2014   | -21.981,63                                                                             |
| 4300281168      | 22.11.2017   | 21.979,26                                                                              |
| 4300302879      | 11.12.2017   | 21.931,70                                                                              |
| 5200012683      | 01.05.2013   | 21.884,65                                                                              |
| 5200012674      | 30.04.2013   | 21.884,65                                                                              |
| 5200012674      | 30.04.2013   | -21.884,65                                                                             |
| 5200012683      | 01.05.2013   | -21.884,65                                                                             |
| 4300074457      | 24.03.2016   | -21.870,00                                                                             |
| 4300283932      | 22.11.2017   | 21.855,00                                                                              |
| 5200023120      | 01.09.2015   | 21.841,55                                                                              |
| 5200022741      | 31.08.2015   | -21.841,55                                                                             |
| 4300303410      | 13.12.2017   | 21.652,05                                                                              |
| 5200021382      | 01.08.2013   | 21.647,51                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200021027      | 31.07.2013   | -21.647,51                                                                             |
| 5200028464      | 30.11.2014   | 21.633,14                                                                              |
| 5200021323      | 01.08.2013   | 21.625,19                                                                              |
| 5200020968      | 31.07.2013   | -21.625,19                                                                             |
| 5200042323      | 31.12.2017   | -21.615,49                                                                             |
| 4300301239      | 08.12.2017   | 21.573,87                                                                              |
| 4300314857      | 26.12.2017   | 21.569,10                                                                              |
| 4300311826      | 22.12.2017   | 21.537,61                                                                              |
| 5200019905      | 31.12.2011   | 21.492,15                                                                              |
| 5200006841      | 31.10.2010   | -21.491,16                                                                             |
| 4300311089      | 20.12.2017   | 21.485,35                                                                              |
| 4300293506      | 06.12.2017   | 21.479,52                                                                              |
| 5200001540      | 01.02.2014   | 21.472,73                                                                              |
| 5200001171      | 31.01.2014   | -21.472,73                                                                             |
| 5200026013      | 30.09.2013   | -21.469,57                                                                             |
| 4300310627      | 21.12.2017   | 21.452,84                                                                              |
| 4300310630      | 21.12.2017   | 21.452,84                                                                              |
| 4300313876      | 21.12.2017   | 21.452,84                                                                              |
| 4300315231      | 21.12.2017   | 21.452,84                                                                              |
| 5200007601      | 01.12.2010   | 21.385,07                                                                              |
| 5200007572      | 30.11.2010   | 21.385,07                                                                              |
| 5200007572      | 30.11.2010   | -21.385,07                                                                             |
| 5200007601      | 01.12.2010   | -21.385,07                                                                             |
| 5200017730      | 01.07.2015   | 21.371,20                                                                              |
| 5200017378      | 30.06.2015   | -21.371,20                                                                             |
| 5200017600      | 01.08.2012   | 21.369,05                                                                              |
| 5200017314      | 31.07.2012   | -21.369,05                                                                             |
| 4300160762      | 06.07.2017   | -21.362,88                                                                             |
| 5200033707      | 31.12.2015   | -21.361,89                                                                             |
| 5200026388      | 01.10.2015   | 21.345,86                                                                              |
| 5200025974      | 30.09.2015   | -21.345,86                                                                             |
| 4300311449      | 21.12.2017   | 21.334,32                                                                              |
| 5200011108      | 01.05.2016   | 21.310,85                                                                              |
| 5200010631      | 30.04.2016   | -21.310,85                                                                             |
| 5200028619      | 01.12.2014   | 21.253,55                                                                              |
| 5200028575      | 30.11.2014   | 21.253,55                                                                              |
| 5200028575      | 30.11.2014   | -21.253,55                                                                             |
| 5200028619      | 01.12.2014   | -21.253,55                                                                             |
| 5200016207      | 30.06.2016   | -21.215,92                                                                             |
| 4300275317      | 09.11.2017   | 21.203,56                                                                              |
| 4300286011      | 28.11.2017   | 21.175,63                                                                              |
| 5200014937      | 01.06.2015   | 21.158,25                                                                              |
| 5200014547      | 31.05.2015   | -21.158,25                                                                             |
| 4300311719      | 22.12.2017   | 21.073,57                                                                              |
| 5200011055      | 01.05.2016   | 21.053,03                                                                              |
| 5200010578      | 30.04.2016   | -21.053,03                                                                             |
| 5200000858      | 31.01.2009   | -21.012,75                                                                             |
| 5200040448      | 01.12.2017   | 20.977,33                                                                              |
| 5200039903      | 30.11.2017   | -20.977,33                                                                             |
| 5200000883      | 01.02.2011   | 20.957,17                                                                              |
| 5200000853      | 31.01.2011   | 20.957,17                                                                              |
| 5200000853      | 31.01.2011   | -20.957,17                                                                             |
| 5200000883      | 01.02.2011   | -20.957,17                                                                             |
| 5200012185      | 01.05.2015   | 20.957,12                                                                              |
| 5200011772      | 30.04.2015   | -20.957,12                                                                             |
| 5200011003      | 01.05.2016   | 20.938,30                                                                              |
| 5200010526      | 30.04.2016   | -20.938,30                                                                             |
| 4300299229      | 07.12.2017   | 20.913,94                                                                              |
| 4300268414      | 09.11.2017   | 20.910,39                                                                              |
| 5200032060      | 30.11.2016   | 20.905,54                                                                              |
| 5200012069      | 01.05.2015   | 20.905,17                                                                              |
| 5200011656      | 30.04.2015   | -20.905,17                                                                             |
| 5200013993      | 01.05.2017   | 20.893,80                                                                              |
| 5200013443      | 30.04.2017   | -20.893,80                                                                             |
| 5200017906      | 01.08.2014   | 20.883,34                                                                              |
| 5200017895      | 31.07.2014   | 20.883,34                                                                              |
| 5200017895      | 31.07.2014   | -20.883,34                                                                             |
| 5200017906      | 01.08.2014   | -20.883,34                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300301248      | 08.12.2017   | 20.835,72                                                                              |
| 5200014667      | 01.06.2016   | 20.816,71                                                                              |
| 5200014199      | 31.05.2016   | -20.816,71                                                                             |
| 5200022266      | 01.10.2012   | 20.804,00                                                                              |
| 5200021972      | 30.09.2012   | -20.804,00                                                                             |
| 5200026391      | 01.10.2015   | 20.763,20                                                                              |
| 5200014686      | 01.06.2016   | 20.763,20                                                                              |
| 5200025977      | 30.09.2015   | -20.763,20                                                                             |
| 5200014218      | 31.05.2016   | -20.763,20                                                                             |
| 4300304281      | 04.12.2017   | 20.748,07                                                                              |
| 5200031278      | 30.09.2017   | 20.742,80                                                                              |
| 4600000127      | 09.02.2017   | 20.741,71                                                                              |
| 4300299157      | 06.12.2017   | 20.734,08                                                                              |
| 5200000302      | 31.01.2009   | 20.689,12                                                                              |
| 4300280070      | 23.11.2017   | 20.670,59                                                                              |
| 5200013136      | 01.05.2013   | 20.631,71                                                                              |
| 5200012787      | 30.04.2013   | -20.631,71                                                                             |
| 5200001904      | 01.02.2016   | 20.606,85                                                                              |
| 5200001420      | 31.01.2016   | -20.606,85                                                                             |
| 2825674         | 28.02.1993   | 20.562,17                                                                              |
| 2825675         | 01.03.1993   | -20.562,17                                                                             |
| 5200001749      | 31.01.2015   | -20.533,11                                                                             |
| 5200025582      | 01.11.2012   | 20.425,52                                                                              |
| 5200025571      | 31.10.2012   | 20.425,52                                                                              |
| 5200025571      | 31.10.2012   | -20.425,52                                                                             |
| 5200025582      | 01.11.2012   | -20.425,52                                                                             |
| 5200001623      | 31.01.2002   | 20.412,53                                                                              |
| 5200001786      | 01.02.2002   | -20.412,53                                                                             |
| 5200006924      | 31.10.2007   | -20.392,53                                                                             |
| 5200002370      | 01.02.2015   | 20.387,52                                                                              |
| 5200001947      | 31.01.2015   | -20.387,52                                                                             |
| 4300273963      | 16.11.2017   | 20.375,45                                                                              |
| 4300095680      | 08.05.2017   | 20.331,68                                                                              |
| 5200003749      | 28.02.2014   | -20.304,72                                                                             |
| 4800069577      | 27.12.2017   | 20.230,00                                                                              |
| 5200021134      | 01.09.2014   | 20.182,70                                                                              |
| 5200020701      | 31.08.2014   | -20.182,70                                                                             |
| 4300281516      | 23.11.2017   | 20.176,00                                                                              |
| 5200008689      | 01.04.2016   | 20.175,48                                                                              |
| 5200008205      | 31.03.2016   | -20.175,48                                                                             |
| 5200022471      | 31.08.2015   | 20.144,85                                                                              |
| 6000367780      | 25.11.2015   | -20.110,69                                                                             |
| 5200018409      | 01.08.2014   | 20.057,78                                                                              |
| 5200017986      | 31.07.2014   | -20.057,78                                                                             |
| 4300313252      | 18.12.2017   | 20.000,00                                                                              |
| 5200007984      | 01.04.2015   | 19.986,82                                                                              |
| 5200007582      | 31.03.2015   | -19.986,82                                                                             |
| 4800068232      | 18.12.2017   | 19.976,63                                                                              |
| 5200008417      | 31.12.2009   | -19.851,46                                                                             |
| 5200033566      | 31.12.2013   | -19.815,54                                                                             |
| 4300300525      | 13.12.2017   | 19.813,50                                                                              |
| 4300284166      | 22.11.2017   | 19.795,65                                                                              |
| 4300310951      | 20.12.2017   | 19.795,65                                                                              |
| 4300089895      | 25.04.2017   | 19.762,00                                                                              |
| 5200012118      | 01.06.2012   | 19.719,74                                                                              |
| 5200011844      | 31.05.2012   | -19.719,74                                                                             |
| 5200012065      | 01.05.2015   | 19.710,10                                                                              |
| 5200011652      | 30.04.2015   | -19.710,10                                                                             |
| 4300314404      | 28.12.2017   | 19.650,00                                                                              |
| 5200015522      | 01.07.2014   | 19.569,08                                                                              |
| 5200015094      | 30.06.2014   | -19.569,08                                                                             |
| 5200029204      | 01.11.2015   | 19.551,95                                                                              |
| 5200028796      | 31.10.2015   | -19.551,95                                                                             |
| 5200030763      | 31.12.2012   | -19.549,56                                                                             |
| 4300307830      | 18.12.2017   | 19.434,34                                                                              |
| 4300251523      | 23.10.2017   | 19.337,50                                                                              |
| 5200018012      | 01.06.2017   | 19.269,67                                                                              |
| 5200017458      | 31.05.2017   | -19.269,67                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300300596      | 13.12.2017   | 19.260,15                                                                              |
| 4300313334      | 22.12.2017   | 19.235,09                                                                              |
| 5200012633      | 30.04.2013   | -19.233,24                                                                             |
| 4300240036      | 10.10.2017   | 19.219,26                                                                              |
| 5200018488      | 01.08.2014   | 19.213,73                                                                              |
| 5200018065      | 31.07.2014   | -19.213,73                                                                             |
| 4300315332      | 21.12.2017   | 19.211,85                                                                              |
| 5200031456      | 01.12.2015   | -19.204,50                                                                             |
| 4300300694      | 11.12.2017   | 19.199,90                                                                              |
| 5200003182      | 01.02.2013   | 19.177,14                                                                              |
| 5200002843      | 31.01.2013   | -19.177,14                                                                             |
| 5200020725      | 01.08.2016   | 19.161,47                                                                              |
| 5200020260      | 31.07.2016   | -19.161,47                                                                             |
| 5200020671      | 01.08.2016   | 19.143,13                                                                              |
| 5200020206      | 31.07.2016   | -19.143,13                                                                             |
| 5200009067      | 01.05.2012   | 19.095,60                                                                              |
| 5200008789      | 30.04.2012   | -19.095,60                                                                             |
| 5200009544      | 01.04.2017   | 19.078,98                                                                              |
| 5200009012      | 31.03.2017   | -19.078,98                                                                             |
| 5200032229      | 01.12.2015   | 19.074,70                                                                              |
| 5200031826      | 30.11.2015   | -19.074,70                                                                             |
| 4800063415      | 28.11.2017   | 19.065,18                                                                              |
| 4500001336      | 21.07.2014   | 18.987,17                                                                              |
| 4300298679      | 12.12.2017   | 18.973,88                                                                              |
| 5200015760      | 01.10.2011   | 18.958,00                                                                              |
| 5200015737      | 30.09.2011   | 18.958,00                                                                              |
| 5200015737      | 30.09.2011   | -18.958,00                                                                             |
| 5200015760      | 01.10.2011   | -18.958,00                                                                             |
| 5200029267      | 01.11.2013   | 18.956,61                                                                              |
| 5200028926      | 31.10.2013   | -18.956,61                                                                             |
| 4300312165      | 15.12.2017   | 18.930,62                                                                              |
| 4300276831      | 13.11.2017   | 18.929,94                                                                              |
| 5200005938      | 31.08.2009   | 18.920,06                                                                              |
| 4600001108      | 01.09.2009   | -18.911,98                                                                             |
| 5200029846      | 01.11.2016   | 18.830,87                                                                              |
| 5200029397      | 31.10.2016   | -18.830,87                                                                             |
| 4300295411      | 06.12.2017   | 18.742,12                                                                              |
| 4300293709      | 04.12.2017   | 18.739,07                                                                              |
| 4300162387      | 21.08.2017   | 18.686,75                                                                              |
| 5200015785      | 01.06.2013   | 18.678,30                                                                              |
| 5200015428      | 31.05.2013   | -18.678,30                                                                             |
| 4300307893      | 19.12.2017   | 18.633,53                                                                              |
| 4300296251      | 11.12.2017   | 18.604,65                                                                              |
| 4300265463      | 06.11.2017   | 18.592,74                                                                              |
| 4300299307      | 12.12.2017   | 18.592,74                                                                              |
| 5200007573      | 01.03.2013   | 18.567,78                                                                              |
| 5200007242      | 28.02.2013   | -18.567,78                                                                             |
| 5200002778      | 30.04.2006   | -18.551,89                                                                             |
| 4300238596      | 16.10.2017   | 18.544,80                                                                              |
| 4300270106      | 10.11.2017   | 18.474,75                                                                              |
| 5200007864      | 31.12.2010   | -18.456,13                                                                             |
| 5200016915      | 01.07.2016   | 18.453,22                                                                              |
| 5200016460      | 30.06.2016   | -18.453,22                                                                             |
| 5200014935      | 01.06.2015   | 18.429,66                                                                              |
| 5200014545      | 31.05.2015   | -18.429,66                                                                             |
| 5200001756      | 01.02.2016   | 18.371,17                                                                              |
| 5200001272      | 31.01.2016   | -18.371,17                                                                             |
| 5200014107      | 01.05.2017   | 18.360,74                                                                              |
| 5200013557      | 30.04.2017   | -18.360,74                                                                             |
| 5200012563      | 01.08.2011   | 18.358,83                                                                              |
| 5200012523      | 31.07.2011   | 18.358,83                                                                              |
| 5200012523      | 31.07.2011   | -18.358,83                                                                             |
| 5200012563      | 01.08.2011   | -18.358,83                                                                             |
| 4300315697      | 20.12.2017   | 18.353,80                                                                              |
| 5200005622      | 01.03.2016   | 18.271,07                                                                              |
| 5200005108      | 29.02.2016   | -18.271,07                                                                             |
| 5200007551      | 01.03.2013   | 18.244,35                                                                              |
| 5200007220      | 28.02.2013   | -18.244,35                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000487      | 01.01.2012   | 18.197,73                                                                              |
| 5200020016      | 31.12.2011   | -18.197,73                                                                             |
| 5200012063      | 01.05.2015   | 18.169,68                                                                              |
| 5200011650      | 30.04.2015   | -18.169,68                                                                             |
| 4800067280      | 14.12.2017   | 18.164,69                                                                              |
| 4300289673      | 12.12.2017   | 18.163,63                                                                              |
| 5200017937      | 30.06.2013   | 18.128,68                                                                              |
| 5200014621      | 31.12.2002   | -18.108,21                                                                             |
| 5200000229      | 30.04.2001   | 18.102,21                                                                              |
| 5200000402      | 01.05.2001   | -18.102,21                                                                             |
| 4300294122      | 01.12.2017   | 18.064,05                                                                              |
| 5200007246      | 31.03.2015   | -18.062,19                                                                             |
| 6000030941      | 30.01.2009   | 18.038,58                                                                              |
| 6000319504      | 02.11.2007   | 18.035,20                                                                              |
| 5200002341      | 01.02.2012   | 18.013,29                                                                              |
| 5200002099      | 31.01.2012   | -18.013,29                                                                             |
| 5200020458      | 01.08.2015   | 17.972,68                                                                              |
| 5200020091      | 31.07.2015   | -17.972,68                                                                             |
| 5200031797      | 01.12.2013   | 17.963,61                                                                              |
| 5200031442      | 30.11.2013   | -17.963,61                                                                             |
| 4300263486      | 01.11.2017   | 17.960,29                                                                              |
| 4300290794      | 01.12.2017   | 17.960,29                                                                              |
| 4300292340      | 05.12.2017   | 17.960,29                                                                              |
| 5200001747      | 31.01.2015   | 17.941,52                                                                              |
| 5200023233      | 01.09.2015   | 17.919,84                                                                              |
| 5200022854      | 31.08.2015   | -17.919,84                                                                             |
| 5200034079      | 31.12.2016   | -17.919,00                                                                             |
| 4300298333      | 08.12.2017   | 17.892,84                                                                              |
| 5200003714      | 29.02.2012   | -17.892,39                                                                             |
| 5200000784      | 31.01.2011   | -17.869,77                                                                             |
| 5200028552      | 31.10.2015   | -17.822,67                                                                             |
| 4300313078      | 27.12.2017   | 17.807,13                                                                              |
| 5200003974      | 31.07.2001   | 17.792,49                                                                              |
| 5200004128      | 01.08.2001   | -17.792,49                                                                             |
| 4300301320      | 12.12.2017   | 17.707,20                                                                              |
| 4800064143      | 30.11.2017   | 17.699,04                                                                              |
| 5200017100      | 31.07.2012   | 17.689,34                                                                              |
| 5200001038      | 31.01.2016   | -17.611,75                                                                             |
| 4300308790      | 18.12.2017   | 17.608,80                                                                              |
| 5200004386      | 01.03.2014   | 17.605,82                                                                              |
| 5200003987      | 28.02.2014   | -17.605,82                                                                             |
| 5200007885      | 01.04.2015   | 17.581,77                                                                              |
| 5200007483      | 31.03.2015   | -17.581,77                                                                             |
| 5200032205      | 01.12.2015   | 17.565,44                                                                              |
| 5200031802      | 30.11.2015   | -17.565,44                                                                             |
| 5200000358      | 01.01.2014   | 17.531,97                                                                              |
| 5200033665      | 31.12.2013   | -17.531,97                                                                             |
| 5200036539      | 30.11.2001   | 17.496,02                                                                              |
| 5200036721      | 01.12.2001   | -17.496,02                                                                             |
| 4300298415      | 08.12.2017   | 17.487,05                                                                              |
| 5200027593      | 31.08.2017   | -17.481,60                                                                             |
| 5200020773      | 01.08.2016   | 17.338,35                                                                              |
| 5200020308      | 31.07.2016   | -17.338,35                                                                             |
| 4300274890      | 16.11.2017   | 17.273,56                                                                              |
| 5200012198      | 01.06.2012   | 17.254,23                                                                              |
| 5200011924      | 31.05.2012   | -17.254,23                                                                             |
| 5200040521      | 01.12.2017   | 17.212,53                                                                              |
| 5200039976      | 30.11.2017   | -17.212,53                                                                             |
| 4300290933      | 01.12.2017   | 17.208,00                                                                              |
| 6000057346      | 24.02.2015   | -17.164,33                                                                             |
| 5200032818      | 01.12.2016   | 17.155,90                                                                              |
| 5200032354      | 30.11.2016   | -17.155,90                                                                             |
| 5200006709      | 30.09.2008   | 17.144,09                                                                              |
| 5200017070      | 31.05.2017   | -17.123,54                                                                             |
| 5200005742      | 01.03.2016   | 17.117,64                                                                              |
| 5200005228      | 29.02.2016   | -17.117,64                                                                             |
| 5200034404      | 31.12.2016   | -17.075,00                                                                             |
| 5200042284      | 31.12.2017   | -17.027,00                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006282      | 01.03.2017   | 17.014,17                                                                              |
| 5200005743      | 28.02.2017   | -17.014,17                                                                             |
| 5200026509      | 01.10.2015   | 16.983,03                                                                              |
| 5200026095      | 30.09.2015   | -16.983,03                                                                             |
| 5200005889      | 01.05.2011   | 16.954,04                                                                              |
| 5200005843      | 30.04.2011   | 16.954,04                                                                              |
| 5200005843      | 30.04.2011   | -16.954,04                                                                             |
| 5200005889      | 01.05.2011   | -16.954,04                                                                             |
| 4300278950      | 21.11.2017   | 16.930,94                                                                              |
| 4300307726      | 18.12.2017   | 16.930,20                                                                              |
| 5200006859      | 31.05.2002   | -16.915,39                                                                             |
| 5200028747      | 31.10.2013   | -16.909,56                                                                             |
| 5200032145      | 01.12.2015   | 16.867,13                                                                              |
| 5200031742      | 30.11.2015   | -16.867,13                                                                             |
| 5200007897      | 01.04.2015   | 16.843,68                                                                              |
| 5200007495      | 31.03.2015   | -16.843,68                                                                             |
| 4300281134      | 22.11.2017   | 16.822,59                                                                              |
| 4300294088      | 07.12.2017   | 16.815,83                                                                              |
| 5200028761      | 01.12.2012   | 16.796,75                                                                              |
| 5200028452      | 30.11.2012   | -16.796,75                                                                             |
| 4300299185      | 11.12.2017   | 16.766,80                                                                              |
| 5200001829      | 01.02.2016   | 16.718,49                                                                              |
| 5200001345      | 31.01.2016   | -16.718,49                                                                             |
| 5200020666      | 01.08.2016   | 16.710,30                                                                              |
| 5200020201      | 31.07.2016   | -16.710,30                                                                             |
| 4300299615      | 08.12.2017   | 16.669,40                                                                              |
| 5200031888      | 01.12.2013   | 16.667,39                                                                              |
| 5200031533      | 30.11.2013   | -16.667,39                                                                             |
| 4300312219      | 27.12.2017   | 16.666,65                                                                              |
| 4300302132      | 14.12.2017   | 16.660,00                                                                              |
| 5200009842      | 01.05.2014   | 16.648,27                                                                              |
| 5200012525      | 01.06.2014   | 16.648,27                                                                              |
| 5200009420      | 30.04.2014   | -16.648,27                                                                             |
| 5200012080      | 31.05.2014   | -16.648,27                                                                             |
| 5200023119      | 01.09.2015   | 16.647,02                                                                              |
| 5200022740      | 31.08.2015   | -16.647,02                                                                             |
| 5200026464      | 01.11.2014   | 16.639,84                                                                              |
| 5200026111      | 31.10.2014   | -16.639,84                                                                             |
| 5200008534      | 31.03.2017   | 16.630,10                                                                              |
| 5200006725      | 01.04.2012   | 16.627,30                                                                              |
| 5200006429      | 31.03.2012   | -16.627,30                                                                             |
| 4300299186      | 12.12.2017   | 16.621,92                                                                              |
| 5200014666      | 01.06.2016   | 16.601,20                                                                              |
| 5200014198      | 31.05.2016   | -16.601,20                                                                             |
| 5200035836      | 01.11.2017   | 16.597,84                                                                              |
| 5200035285      | 31.10.2017   | -16.597,84                                                                             |
| 5200001965      | 31.03.2006   | -16.567,16                                                                             |
| 5200018132      | 01.06.2017   | 16.558,25                                                                              |
| 5200017578      | 31.05.2017   | -16.558,25                                                                             |
| 4300306626      | 16.12.2017   | 16.503,87                                                                              |
| 4300307106      | 14.12.2017   | 16.447,36                                                                              |
| 5200023678      | 01.09.2016   | 16.424,99                                                                              |
| 5200023220      | 31.08.2016   | -16.424,99                                                                             |
| 5200010409      | 01.04.2013   | 16.420,00                                                                              |
| 5200010068      | 31.03.2013   | -16.420,00                                                                             |
| 5200010885      | 01.07.2011   | 16.404,74                                                                              |
| 5200010847      | 30.06.2011   | 16.404,74                                                                              |
| 5200010847      | 30.06.2011   | -16.404,74                                                                             |
| 5200010885      | 01.07.2011   | -16.404,74                                                                             |
| 4300271432      | 07.11.2017   | 16.347,42                                                                              |
| 5200018492      | 01.08.2014   | 16.298,10                                                                              |
| 5200018069      | 31.07.2014   | -16.298,10                                                                             |
| 4300313838      | 22.12.2017   | 16.297,64                                                                              |
| 4300313923      | 22.12.2017   | 16.297,64                                                                              |
| 5200017027      | 01.07.2016   | 16.293,18                                                                              |
| 5200016572      | 30.06.2016   | -16.293,18                                                                             |
| 5200013113      | 01.05.2013   | 16.287,08                                                                              |
| 5200012764      | 30.04.2013   | -16.287,08                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200035921      | 01.11.2017   | 16.268,93                                                                              |
| 5200035370      | 31.10.2017   | -16.268,93                                                                             |
| 4300298884      | 11.12.2017   | 16.252,78                                                                              |
| 5200010408      | 01.04.2013   | 16.243,58                                                                              |
| 5200010067      | 31.03.2013   | -16.243,58                                                                             |
| 5200025941      | 01.11.2012   | 16.231,32                                                                              |
| 5200025636      | 31.10.2012   | -16.231,32                                                                             |
| 5200008068      | 30.11.2009   | -16.183,39                                                                             |
| 5200021713      | 01.07.2017   | 16.163,60                                                                              |
| 5200021162      | 30.06.2017   | -16.163,60                                                                             |
| 4300288556      | 27.11.2017   | 16.157,74                                                                              |
| 4300288019      | 30.11.2017   | 16.156,16                                                                              |
| 5200003017      | 01.02.2017   | 16.135,12                                                                              |
| 5200002471      | 31.01.2017   | -16.135,12                                                                             |
| 4300281142      | 22.11.2017   | 16.118,12                                                                              |
| 4600000770      | 18.08.2014   | -16.113,28                                                                             |
| 5200022905      | 31.08.2016   | 16.111,49                                                                              |
| 4300302759      | 14.12.2017   | 16.099,23                                                                              |
| 5200006265      | 01.03.2017   | 16.090,58                                                                              |
| 5200005726      | 28.02.2017   | -16.090,58                                                                             |
| 4300279793      | 21.11.2017   | 16.084,40                                                                              |
| 5200008006      | 01.04.2015   | 16.065,90                                                                              |
| 5200007604      | 31.03.2015   | -16.065,90                                                                             |
| 5200002496      | 01.02.2015   | 16.065,57                                                                              |
| 5200002073      | 31.01.2015   | -16.065,57                                                                             |
| 4300228265      | 30.10.2017   | 16.063,31                                                                              |
| 5200001968      | 31.03.2006   | 16.051,74                                                                              |
| 4300311399      | 21.12.2017   | 16.047,76                                                                              |
| 5200028485      | 01.09.2017   | 16.043,04                                                                              |
| 5200027929      | 31.08.2017   | -16.043,04                                                                             |
| 4300281485      | 23.11.2017   | 16.002,45                                                                              |
| 5200000440      | 01.01.2014   | 15.962,51                                                                              |
| 5200033747      | 31.12.2013   | -15.962,51                                                                             |
| 4800063970      | 29.11.2017   | 15.944,53                                                                              |
| 5200007549      | 01.03.2013   | 15.935,51                                                                              |
| 5200007218      | 28.02.2013   | -15.935,51                                                                             |
| 5200010499      | 01.04.2013   | 15.837,40                                                                              |
| 5200010158      | 31.03.2013   | -15.837,40                                                                             |
| 2701466         | 01.01.2001   | 15.821,31                                                                              |
| 2701465         | 31.12.2000   | -15.821,31                                                                             |
| 4300313461      | 14.12.2017   | 15.782,73                                                                              |
| 5200003253      | 01.02.2013   | 15.763,62                                                                              |
| 5200002913      | 31.01.2013   | -15.763,62                                                                             |
| 4300304652      | 14.12.2017   | 15.711,66                                                                              |
| 4300312518      | 27.12.2017   | -15.711,66                                                                             |
| 4300259543      | 30.10.2017   | 15.708,00                                                                              |
| 5200003091      | 01.02.2017   | 15.649,20                                                                              |
| 5200002545      | 31.01.2017   | -15.649,20                                                                             |
| 4600000802      | 27.08.2014   | -15.564,81                                                                             |
| 5200026359      | 01.11.2014   | 15.534,87                                                                              |
| 5200026006      | 31.10.2014   | -15.534,87                                                                             |
| 5200026622      | 01.10.2013   | 15.497,30                                                                              |
| 5200000360      | 01.01.2014   | 15.497,30                                                                              |
| 5200001550      | 01.02.2014   | 15.497,30                                                                              |
| 5200004301      | 01.03.2014   | 15.497,30                                                                              |
| 5200026255      | 30.09.2013   | -15.497,30                                                                             |
| 5200033667      | 31.12.2013   | -15.497,30                                                                             |
| 5200001181      | 31.01.2014   | -15.497,30                                                                             |
| 5200003902      | 28.02.2014   | -15.497,30                                                                             |
| 5200001553      | 01.02.2014   | 15.478,70                                                                              |
| 5200001184      | 31.01.2014   | -15.478,70                                                                             |
| 4300295939      | 12.12.2017   | 15.443,38                                                                              |
| 5200009072      | 01.05.2012   | 15.437,50                                                                              |
| 5200008794      | 30.04.2012   | -15.437,50                                                                             |
| 4300306627      | 16.12.2017   | 15.422,40                                                                              |
| 4300285476      | 27.11.2017   | 15.420,91                                                                              |
| 5200009839      | 01.05.2014   | 15.390,80                                                                              |
| 5200018407      | 01.08.2014   | 15.390,80                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200009417      | 30.04.2014   | -15.390,80                                                                             |
| 5200017984      | 31.07.2014   | -15.390,80                                                                             |
| 5200028314      | 30.11.2012   | -15.379,21                                                                             |
| 6000065806      | 27.02.2009   | -15.363,82                                                                             |
| 4300286692      | 29.11.2017   | 15.342,02                                                                              |
| 5200023110      | 01.09.2015   | 15.324,29                                                                              |
| 5200022731      | 31.08.2015   | -15.324,29                                                                             |
| 4500002136      | 30.11.2017   | -15.316,39                                                                             |
| 4300308098      | 18.12.2017   | 15.314,22                                                                              |
| 4300304932      | 15.12.2017   | 15.301,00                                                                              |
| 4300312913      | 22.12.2017   | 15.301,00                                                                              |
| 4300312917      | 22.12.2017   | 15.301,00                                                                              |
| 4300313609      | 27.12.2017   | 15.301,00                                                                              |
| 5200001911      | 31.05.2001   | 15.291,42                                                                              |
| 5200002090      | 01.06.2001   | -15.291,42                                                                             |
| 5200007635      | 01.03.2013   | 15.284,32                                                                              |
| 5200007304      | 28.02.2013   | -15.284,32                                                                             |
| 5200041959      | 31.12.2017   | -15.264,66                                                                             |
| 4300290685      | 01.12.2017   | 15.255,10                                                                              |
| 4300308678      | 18.12.2017   | 15.248,66                                                                              |
| 4300284137      | 22.11.2017   | 15.245,15                                                                              |
| 5200001586      | 29.02.2008   | -15.243,38                                                                             |
| 6000044320      | 12.02.2013   | 15.242,75                                                                              |
| 5200015719      | 01.06.2013   | 15.234,68                                                                              |
| 5200015362      | 31.05.2013   | -15.234,68                                                                             |
| 5200000510      | 01.01.2017   | 15.215,61                                                                              |
| 5200015577      | 01.07.2014   | 15.176,16                                                                              |
| 5200015149      | 30.06.2014   | -15.176,16                                                                             |
| 5200006007      | 31.08.2008   | -15.151,06                                                                             |
| 5200002496      | 01.03.2011   | 15.134,17                                                                              |
| 5200002464      | 28.02.2011   | 15.134,17                                                                              |
| 5200002464      | 28.02.2011   | -15.134,17                                                                             |
| 5200002496      | 01.03.2011   | -15.134,17                                                                             |
| 4300305069      | 13.12.2017   | 15.095,15                                                                              |
| 5200028818      | 01.12.2012   | 15.074,24                                                                              |
| 5200028509      | 30.11.2012   | -15.074,24                                                                             |
| 4300311622      | 29.12.2017   | 15.000,00                                                                              |
| 4300300354      | 12.12.2017   | 15.000,00                                                                              |
| 4300269844      | 10.11.2017   | 14.994,00                                                                              |
| 5200006719      | 01.04.2012   | 14.992,31                                                                              |
| 5200006423      | 31.03.2012   | -14.992,31                                                                             |
| 4300309036      | 19.12.2017   | 14.985,00                                                                              |
| 5200029856      | 01.11.2016   | 14.968,99                                                                              |
| 5200029407      | 31.10.2016   | -14.968,99                                                                             |
| 5200026364      | 01.11.2014   | 14.919,28                                                                              |
| 5200026011      | 31.10.2014   | -14.919,28                                                                             |
| 5200034370      | 31.12.2016   | -14.899,08                                                                             |
| 4300308650      | 16.12.2017   | 14.877,61                                                                              |
| 5200007055      | 01.04.2014   | 14.860,61                                                                              |
| 5200006651      | 31.03.2014   | -14.860,61                                                                             |
| 5200006621      | 30.09.2009   | -14.859,18                                                                             |
| 4000384508      | 17.12.2010   | 14.843,62                                                                              |
| 5200007084      | 01.04.2014   | 14.837,80                                                                              |
| 5200006680      | 31.03.2014   | -14.837,80                                                                             |
| 4300287605      | 25.11.2017   | 14.819,62                                                                              |
| 4300202675      | 08.09.2017   | 14.816,44                                                                              |
| 4300306537      | 13.12.2017   | 14.815,50                                                                              |
| 5200017639      | 01.07.2015   | 14.785,04                                                                              |
| 5200017287      | 30.06.2015   | -14.785,04                                                                             |
| 5200014101      | 01.09.2011   | 14.776,27                                                                              |
| 5200014069      | 31.08.2011   | 14.776,27                                                                              |
| 5200014069      | 31.08.2011   | -14.776,27                                                                             |
| 5200014101      | 01.09.2011   | -14.776,27                                                                             |
| 4300302758      | 14.12.2017   | 14.768,71                                                                              |
| 5200000311      | 01.01.2015   | 14.726,87                                                                              |
| 5200030986      | 31.12.2014   | -14.726,87                                                                             |
| 4300310473      | 19.12.2017   | 14.621,07                                                                              |
| 4300313660      | 27.12.2017   | 14.600,00                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4600001032      | 03.11.2015   | 14.540,96                                                                              |
| 5200027588      | 31.08.2017   | -14.516,48                                                                             |
| 5200005652      | 01.03.2016   | 14.493,20                                                                              |
| 5200005138      | 29.02.2016   | -14.493,20                                                                             |
| 4300309974      | 23.12.2017   | 14.448,68                                                                              |
| 4300273764      | 14.11.2017   | 14.448,22                                                                              |
| 5200029031      | 01.12.2014   | 14.433,30                                                                              |
| 5200000319      | 01.01.2015   | 14.433,30                                                                              |
| 5200028668      | 30.11.2014   | -14.433,30                                                                             |
| 5200030994      | 31.12.2014   | -14.433,30                                                                             |
| 4300290821      | 01.12.2017   | 14.414,40                                                                              |
| 4300286170      | 27.11.2017   | 14.402,06                                                                              |
| 4300307038      | 14.12.2017   | 14.372,24                                                                              |
| 5200002905      | 28.02.2002   | 14.345,24                                                                              |
| 5200003079      | 01.03.2002   | -14.345,24                                                                             |
| 5200000860      | 31.01.2010   | -14.314,78                                                                             |
| 5200022289      | 01.10.2012   | 14.281,91                                                                              |
| 5200021995      | 30.09.2012   | -14.281,91                                                                             |
| 5200001462      | 28.02.2007   | -14.252,71                                                                             |
| 5200002350      | 01.02.2012   | 14.235,93                                                                              |
| 5200002108      | 31.01.2012   | -14.235,93                                                                             |
| 5200005388      | 01.09.2001   | 14.231,75                                                                              |
| 5200005234      | 31.08.2001   | -14.231,75                                                                             |
| 5200005497      | 31.08.2007   | -14.231,40                                                                             |
| 5200004677      | 01.03.2015   | 14.223,87                                                                              |
| 5200004247      | 28.02.2015   | -14.223,87                                                                             |
| 6000049410      | 17.02.2015   | -14.206,31                                                                             |
| 4300239030      | 05.10.2017   | 14.205,54                                                                              |
| 4300295747      | 08.12.2017   | 14.181,83                                                                              |
| 4300293351      | 05.12.2017   | 14.167,47                                                                              |
| 4300299989      | 04.12.2017   | 14.150,51                                                                              |
| 5200026389      | 01.10.2015   | 14.147,88                                                                              |
| 5200025975      | 30.09.2015   | -14.147,88                                                                             |
| 4300281165      | 22.11.2017   | 14.066,73                                                                              |
| 5200020434      | 01.08.2015   | 14.048,65                                                                              |
| 5200020067      | 31.07.2015   | -14.048,65                                                                             |
| 5200000358      | 01.01.2016   | 14.043,80                                                                              |
| 5200001843      | 01.02.2016   | 14.043,80                                                                              |
| 5200005679      | 01.03.2016   | 14.043,80                                                                              |
| 5200008748      | 01.04.2016   | 14.043,80                                                                              |
| 5200011064      | 01.05.2016   | 14.043,80                                                                              |
| 5200014742      | 01.06.2016   | 14.043,80                                                                              |
| 5200016986      | 01.07.2016   | 14.043,80                                                                              |
| 5200020735      | 01.08.2016   | 14.043,80                                                                              |
| 5200001359      | 31.01.2016   | -14.043,80                                                                             |
| 5200005165      | 29.02.2016   | -14.043,80                                                                             |
| 5200008264      | 31.03.2016   | -14.043,80                                                                             |
| 5200010587      | 30.04.2016   | -14.043,80                                                                             |
| 5200014274      | 31.05.2016   | -14.043,80                                                                             |
| 5200016531      | 30.06.2016   | -14.043,80                                                                             |
| 5200020270      | 31.07.2016   | -14.043,80                                                                             |
| 4800066594      | 12.12.2017   | 14.011,02                                                                              |
| 4300312189      | 14.12.2017   | 13.983,84                                                                              |
| 5200014934      | 01.06.2015   | 13.983,06                                                                              |
| 5200014544      | 31.05.2015   | -13.983,06                                                                             |
| 4300278046      | 27.11.2017   | 13.968,11                                                                              |
| 5200010983      | 01.05.2016   | 13.902,98                                                                              |
| 5200010506      | 30.04.2016   | -13.902,98                                                                             |
| 5200005627      | 30.04.2002   | -13.861,75                                                                             |
| 5200007068      | 01.04.2014   | 13.845,40                                                                              |
| 5200006664      | 31.03.2014   | -13.845,40                                                                             |
| 5000002451      | 31.12.2017   | 13.812,01                                                                              |
| 5200000378      | 01.01.2016   | 13.810,41                                                                              |
| 4300304470      | 18.12.2017   | 13.775,08                                                                              |
| 4300315754      | 29.12.2017   | 13.754,68                                                                              |
| 4300304560      | 14.12.2017   | 13.747,36                                                                              |
| 4300281724      | 23.11.2017   | 13.737,36                                                                              |
| 5200023795      | 01.10.2014   | 13.710,46                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023470      | 30.09.2014   | -13.710,46                                                                             |
| 5200007892      | 01.04.2015   | 13.699,58                                                                              |
| 5200007490      | 31.03.2015   | -13.699,58                                                                             |
| 4300267366      | 07.11.2017   | 13.699,33                                                                              |
| 4300310427      | 07.12.2017   | 13.699,33                                                                              |
| 4300010709      | 16.01.2017   | 13.685,00                                                                              |
| 4300206727      | 29.08.2017   | 13.683,55                                                                              |
| 5200026855      | 01.10.2016   | 13.678,76                                                                              |
| 5200026402      | 30.09.2016   | -13.678,76                                                                             |
| 5200017750      | 01.07.2015   | 13.673,34                                                                              |
| 5200017398      | 30.06.2015   | -13.673,34                                                                             |
| 5200013998      | 31.08.2011   | -13.671,96                                                                             |
| 4300297007      | 07.12.2017   | 13.600,63                                                                              |
| 4300303205      | 13.12.2017   | 13.595,27                                                                              |
| 4800060973      | 17.11.2017   | 13.557,10                                                                              |
| 5200010501      | 01.04.2013   | 13.536,34                                                                              |
| 5200010160      | 31.03.2013   | -13.536,34                                                                             |
| 5200013202      | 01.05.2013   | 13.532,92                                                                              |
| 5200012853      | 30.04.2013   | -13.532,92                                                                             |
| 5200029200      | 01.11.2015   | 13.514,62                                                                              |
| 5200028792      | 31.10.2015   | -13.514,62                                                                             |
| 5200014309      | 30.06.2012   | -13.507,09                                                                             |
| 5200026792      | 01.10.2016   | 13.481,69                                                                              |
| 5200026339      | 30.09.2016   | -13.481,69                                                                             |
| 4300163278      | 21.08.2017   | 13.479,82                                                                              |
| 5200018025      | 01.06.2017   | 13.427,13                                                                              |
| 5200021726      | 01.07.2017   | 13.427,13                                                                              |
| 5200017471      | 31.05.2017   | -13.427,13                                                                             |
| 5200021175      | 30.06.2017   | -13.427,13                                                                             |
| 5200015486      | 01.07.2014   | 13.411,03                                                                              |
| 5200015058      | 30.06.2014   | -13.411,03                                                                             |
| 5200032177      | 01.10.2017   | 13.407,01                                                                              |
| 5200031624      | 30.09.2017   | -13.407,01                                                                             |
| 5200029852      | 01.11.2016   | 13.384,69                                                                              |
| 5200032836      | 01.12.2016   | 13.384,69                                                                              |
| 5200000412      | 01.01.2017   | 13.384,69                                                                              |
| 5200003036      | 01.02.2017   | 13.384,69                                                                              |
| 5200006288      | 01.03.2017   | 13.384,69                                                                              |
| 5200009446      | 01.04.2017   | 13.384,69                                                                              |
| 5200014004      | 01.05.2017   | 13.384,69                                                                              |
| 5200024742      | 01.08.2017   | 13.384,69                                                                              |
| 5200028495      | 01.09.2017   | 13.384,69                                                                              |
| 5200035848      | 01.11.2017   | 13.384,69                                                                              |
| 5200040455      | 01.12.2017   | 13.384,69                                                                              |
| 5200029403      | 31.10.2016   | -13.384,69                                                                             |
| 5200032372      | 30.11.2016   | -13.384,69                                                                             |
| 5200034319      | 31.12.2016   | -13.384,69                                                                             |
| 5200002490      | 31.01.2017   | -13.384,69                                                                             |
| 5200005749      | 28.02.2017   | -13.384,69                                                                             |
| 5200008914      | 31.03.2017   | -13.384,69                                                                             |
| 5200013454      | 30.04.2017   | -13.384,69                                                                             |
| 5200024198      | 31.07.2017   | -13.384,69                                                                             |
| 5200027939      | 31.08.2017   | -13.384,69                                                                             |
| 5200035297      | 31.10.2017   | -13.384,69                                                                             |
| 5200039910      | 30.11.2017   | -13.384,69                                                                             |
| 5200042210      | 31.12.2017   | -13.384,69                                                                             |
| 4300271499      | 07.11.2017   | 13.368,63                                                                              |
| 5200009935      | 01.05.2014   | 13.324,89                                                                              |
| 5200009513      | 30.04.2014   | -13.324,89                                                                             |
| 4300301351      | 13.12.2017   | 13.321,91                                                                              |
| 4300275213      | 06.11.2017   | 13.318,25                                                                              |
| 4300309340      | 21.12.2017   | 13.318,25                                                                              |
| 6000268192      | 13.08.2010   | 13.318,23                                                                              |
| 5200007972      | 31.12.2010   | 13.287,78                                                                              |
| 5000002440      | 31.12.2010   | -13.287,78                                                                             |
| 4300303502      | 13.12.2017   | 13.280,40                                                                              |
| 4800067431      | 15.12.2017   | 13.259,40                                                                              |
| 5200029124      | 01.12.2014   | 13.257,58                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200028761      | 30.11.2014   | -13.257,58                                                                             |
| 4300311749      | 22.12.2017   | 13.257,55                                                                              |
| 4300309776      | 20.12.2017   | 13.250,65                                                                              |
| 5200031297      | 30.11.2013   | -13.248,08                                                                             |
| 5200002349      | 01.02.2012   | 13.242,30                                                                              |
| 5200002107      | 31.01.2012   | -13.242,30                                                                             |
| 5200042187      | 31.12.2017   | -13.225,64                                                                             |
| 5200000477      | 01.01.2013   | 13.207,01                                                                              |
| 5200030860      | 31.12.2012   | -13.207,01                                                                             |
| 4300160853      | 08.09.2017   | 13.184,84                                                                              |
| 5200005597      | 01.03.2016   | 13.171,37                                                                              |
| 5200005083      | 29.02.2016   | -13.171,37                                                                             |
| 6000275723      | 07.09.2015   | 13.116,86                                                                              |
| 4300281712      | 23.11.2017   | 13.102,73                                                                              |
| 4300272462      | 14.11.2017   | 13.098,22                                                                              |
| 4300286799      | 27.11.2017   | 13.094,92                                                                              |
| 4300302135      | 13.12.2017   | 13.083,43                                                                              |
| 5200005081      | 01.08.2010   | 13.063,29                                                                              |
| 5200005640      | 01.09.2010   | 13.063,29                                                                              |
| 5200005039      | 31.07.2010   | 13.063,29                                                                              |
| 5200005615      | 31.08.2010   | 13.063,29                                                                              |
| 5200005039      | 31.07.2010   | -13.063,29                                                                             |
| 5200005615      | 31.08.2010   | -13.063,29                                                                             |
| 5200005081      | 01.08.2010   | -13.063,29                                                                             |
| 5200005640      | 01.09.2010   | -13.063,29                                                                             |
| 4300297608      | 06.12.2017   | 13.058,81                                                                              |
| 4300269317      | 01.12.2017   | -13.058,26                                                                             |
| 5200004305      | 01.03.2014   | 13.050,00                                                                              |
| 5200018410      | 01.08.2014   | 13.050,00                                                                              |
| 5200026367      | 01.11.2014   | 13.050,00                                                                              |
| 5200003906      | 28.02.2014   | -13.050,00                                                                             |
| 5200017987      | 31.07.2014   | -13.050,00                                                                             |
| 5200026014      | 31.10.2014   | -13.050,00                                                                             |
| 4300202677      | 08.09.2017   | 13.043,47                                                                              |
| 4300307880      | 16.12.2017   | 13.030,50                                                                              |
| 5200014671      | 01.06.2016   | 13.010,89                                                                              |
| 5200014203      | 31.05.2016   | -13.010,89                                                                             |
| 4300307655      | 16.12.2017   | 13.009,74                                                                              |
| 4300288083      | 30.11.2017   | 12.987,15                                                                              |
| 4300315193      | 29.12.2017   | 12.965,35                                                                              |
| 5200009830      | 01.05.2014   | 12.959,78                                                                              |
| 5200009408      | 30.04.2014   | -12.959,78                                                                             |
| 4300300615      | 13.12.2017   | 12.945,12                                                                              |
| 5200007365      | 31.10.2009   | 12.936,35                                                                              |
| 5200023626      | 01.09.2016   | 12.929,06                                                                              |
| 5200023168      | 31.08.2016   | -12.929,06                                                                             |
| 4300276739      | 17.11.2017   | 12.913,60                                                                              |
| 5200000431      | 01.01.2015   | 12.889,81                                                                              |
| 5200031106      | 31.12.2014   | -12.889,81                                                                             |
| 5200003716      | 01.06.2010   | 12.877,16                                                                              |
| 5200003687      | 31.05.2010   | 12.877,16                                                                              |
| 5200003687      | 31.05.2010   | -12.877,16                                                                             |
| 5200003716      | 01.06.2010   | -12.877,16                                                                             |
| 5200012116      | 01.06.2012   | 12.875,93                                                                              |
| 5200011842      | 31.05.2012   | -12.875,93                                                                             |
| 5200032918      | 01.12.2016   | 12.875,00                                                                              |
| 5200032454      | 30.11.2016   | -12.875,00                                                                             |
| 4300286127      | 27.11.2017   | 12.871,57                                                                              |
| 4300298487      | 08.12.2017   | 12.861,06                                                                              |
| 4300255906      | 28.10.2016   | 12.857,18                                                                              |
| 4300267868      | 07.11.2016   | -12.857,18                                                                             |
| 4300297527      | 08.12.2017   | 12.847,00                                                                              |
| 4300299075      | 11.12.2017   | 12.840,04                                                                              |
| 4300300849      | 13.12.2017   | 12.840,04                                                                              |
| 4300311829      | 22.12.2017   | 12.819,03                                                                              |
| 4300297700      | 07.12.2017   | 12.778,22                                                                              |
| 4300298995      | 08.12.2017   | 12.766,49                                                                              |
| 2704993         | 31.03.2001   | 12.765,80                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2704994         | 01.04.2001   | -12.765,80                                                                             |
| 5200001596      | 28.02.2009   | 12.736,88                                                                              |
| 4300298606      | 08.12.2017   | 12.734,97                                                                              |
| 4300312833      | 27.12.2017   | 12.727,05                                                                              |
| 4300298979      | 11.12.2017   | 12.724,46                                                                              |
| 4800060974      | 17.11.2017   | 12.723,89                                                                              |
| 4300308025      | 18.12.2017   | 12.720,00                                                                              |
| 4300311433      | 21.12.2017   | 12.720,00                                                                              |
| 4300311439      | 21.12.2017   | 12.720,00                                                                              |
| 4300293561      | 04.12.2017   | 12.703,45                                                                              |
| 2786881         | 30.06.1993   | 12.696,26                                                                              |
| 2786882         | 01.07.1993   | -12.696,26                                                                             |
| 2775910         | 31.10.1999   | 12.685,00                                                                              |
| 2775911         | 01.11.1999   | -12.685,00                                                                             |
| 4300305179      | 15.12.2017   | 12.682,44                                                                              |
| 4300299260      | 08.12.2017   | 12.682,43                                                                              |
| 5200026432      | 01.11.2014   | 12.665,02                                                                              |
| 5200026079      | 31.10.2014   | -12.665,02                                                                             |
| 4300277777      | 20.11.2017   | 12.650,91                                                                              |
| 4800069140      | 22.12.2017   | 12.648,11                                                                              |
| 4300298602      | 08.12.2017   | 12.640,40                                                                              |
| 5200004304      | 01.03.2014   | 12.617,64                                                                              |
| 5200003905      | 28.02.2014   | -12.617,64                                                                             |
| 4300276746      | 17.11.2017   | 12.598,37                                                                              |
| 5200042190      | 31.12.2017   | -12.570,00                                                                             |
| 5200009226      | 31.05.2011   | 12.546,74                                                                              |
| 4300313805      | 27.12.2017   | 12.525,00                                                                              |
| 5200012649      | 01.06.2014   | 12.496,85                                                                              |
| 5200012204      | 31.05.2014   | -12.496,85                                                                             |
| 5200028751      | 01.12.2012   | 12.486,68                                                                              |
| 5200028442      | 30.11.2012   | -12.486,68                                                                             |
| 5200021248      | 01.09.2014   | 12.486,33                                                                              |
| 5200020815      | 31.08.2014   | -12.486,33                                                                             |
| 4300308112      | 18.12.2017   | 12.472,28                                                                              |
| 4300293272      | 06.12.2017   | 12.444,95                                                                              |
| 6000362126      | 24.11.2016   | -12.439,41                                                                             |
| 4300315028      | 29.12.2017   | 12.434,73                                                                              |
| 4300207283      | 30.08.2017   | 12.397,02                                                                              |
| 4300311830      | 22.12.2017   | 12.377,72                                                                              |
| 5200004401      | 01.07.2010   | 12.328,62                                                                              |
| 5200004373      | 30.06.2010   | 12.328,62                                                                              |
| 5200004373      | 30.06.2010   | -12.328,62                                                                             |
| 5200004401      | 01.07.2010   | -12.328,62                                                                             |
| 4300313378      | 21.12.2017   | 12.327,62                                                                              |
| 6000334514      | 16.10.2012   | 12.304,17                                                                              |
| 5200029032      | 31.10.2016   | -12.264,03                                                                             |
| 5200025828      | 30.09.2016   | -12.258,56                                                                             |
| 5200009436      | 01.04.2017   | 12.214,92                                                                              |
| 5200008904      | 31.03.2017   | -12.214,92                                                                             |
| 4300293276      | 06.12.2017   | -12.207,81                                                                             |
| 5200017646      | 01.07.2015   | 12.199,45                                                                              |
| 5200017294      | 30.06.2015   | -12.199,45                                                                             |
| 4300068933      | 20.03.2017   | 12.167,83                                                                              |
| 5200003996      | 29.02.2016   | -12.166,55                                                                             |
| 5200008579      | 31.12.2008   | -12.158,14                                                                             |
| 4300309382      | 16.12.2017   | 12.131,56                                                                              |
| 5200000362      | 01.01.2014   | 12.108,60                                                                              |
| 5200033669      | 31.12.2013   | -12.108,60                                                                             |
| 5200004079      | 01.04.2011   | 12.100,86                                                                              |
| 5200004038      | 31.03.2011   | 12.100,86                                                                              |
| 5200004038      | 31.03.2011   | -12.100,86                                                                             |
| 5200004079      | 01.04.2011   | -12.100,86                                                                             |
| 5200014866      | 01.07.2012   | 12.084,28                                                                              |
| 5200014576      | 30.06.2012   | -12.084,28                                                                             |
| 4300296789      | 07.12.2017   | 12.080,90                                                                              |
| 4300303476      | 13.12.2017   | 12.061,13                                                                              |
| 4300309805      | 20.12.2017   | 12.022,35                                                                              |
| 4300301634      | 14.12.2017   | 12.000,00                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300292089      | 04.12.2017   | 12.000,00                                                                              |
| 5200004090      | 31.05.2005   | 11.998,64                                                                              |
| 5200012524      | 01.06.2014   | 11.992,05                                                                              |
| 5200012079      | 31.05.2014   | -11.992,05                                                                             |
| 4300304422      | 14.12.2017   | 11.973,56                                                                              |
| 5200000519      | 01.01.2017   | 11.958,82                                                                              |
| 5200034426      | 31.12.2016   | -11.958,82                                                                             |
| 6000065262      | 03.03.2015   | -11.935,39                                                                             |
| 4300306616      | 16.12.2017   | 11.934,52                                                                              |
| 5200023753      | 31.07.2017   | -11.934,29                                                                             |
| 5200007067      | 01.04.2014   | 11.920,92                                                                              |
| 5200006663      | 31.03.2014   | -11.920,92                                                                             |
| 5200009841      | 01.05.2014   | 11.895,48                                                                              |
| 5200009419      | 30.04.2014   | -11.895,48                                                                             |
| 2787136         | 31.07.1993   | 11.879,76                                                                              |
| 2787137         | 02.08.1993   | -11.879,76                                                                             |
| 4300272734      | 15.11.2017   | 11.859,37                                                                              |
| 5200015485      | 01.07.2014   | 11.854,60                                                                              |
| 5200015057      | 30.06.2014   | -11.854,60                                                                             |
| 5200001549      | 01.02.2014   | 11.852,22                                                                              |
| 5200001180      | 31.01.2014   | -11.852,22                                                                             |
| 4300281173      | 22.11.2017   | 11.834,99                                                                              |
| 5200018516      | 01.08.2014   | 11.830,00                                                                              |
| 5200018093      | 31.07.2014   | -11.830,00                                                                             |
| 4300272154      | 13.11.2017   | 11.801,84                                                                              |
| 4300300879      | 06.12.2017   | 11.781,95                                                                              |
| 5200014871      | 01.07.2012   | 11.777,85                                                                              |
| 5200014581      | 30.06.2012   | -11.777,85                                                                             |
| 4300298752      | 09.12.2017   | 11.777,20                                                                              |
| 5200023822      | 01.10.2014   | 11.758,95                                                                              |
| 5200023497      | 30.09.2014   | -11.758,95                                                                             |
| 5200007157      | 01.04.2014   | 11.756,28                                                                              |
| 5200006753      | 31.03.2014   | -11.756,28                                                                             |
| 4300272750      | 15.11.2017   | 11.734,73                                                                              |
| 4300312091      | 21.12.2017   | 11.709,07                                                                              |
| 5200026394      | 01.10.2015   | 11.674,00                                                                              |
| 5200025980      | 30.09.2015   | -11.674,00                                                                             |
| 5200000493      | 01.01.2012   | 11.672,64                                                                              |
| 5200020022      | 31.12.2011   | -11.672,64                                                                             |
| 4300278116      | 16.11.2017   | 11.670,00                                                                              |
| 4300293677      | 05.12.2017   | 11.663,35                                                                              |
| 4300271400      | 13.11.2017   | 11.658,04                                                                              |
| 5200006949      | 01.11.2010   | 11.635,21                                                                              |
| 5200006919      | 31.10.2010   | 11.635,21                                                                              |
| 5200006919      | 31.10.2010   | -11.635,21                                                                             |
| 5200006949      | 01.11.2010   | -11.635,21                                                                             |
| 5200020341      | 01.08.2015   | 11.627,46                                                                              |
| 5200019974      | 31.07.2015   | -11.627,46                                                                             |
| 5200014826      | 30.06.2014   | -11.623,44                                                                             |
| 4300309716      | 20.12.2017   | 11.611,78                                                                              |
| 4300311319      | 21.12.2017   | 11.606,02                                                                              |
| 4300302192      | 06.12.2017   | 11.602,50                                                                              |
| 4300302733      | 14.12.2017   | 11.596,53                                                                              |
| 4300300979      | 12.12.2017   | 11.595,07                                                                              |
| 4300268280      | 06.11.2017   | 11.592,24                                                                              |
| 4300312870      | 21.12.2017   | 11.565,97                                                                              |
| 5200017667      | 01.08.2012   | 11.555,98                                                                              |
| 5200017381      | 31.07.2012   | -11.555,98                                                                             |
| 4300294031      | 07.12.2017   | 11.543,00                                                                              |
| 5200032248      | 01.10.2017   | 11.535,31                                                                              |
| 5200031695      | 30.09.2017   | -11.535,31                                                                             |
| 5200012073      | 01.05.2015   | 11.530,54                                                                              |
| 5200011660      | 30.04.2015   | -11.530,54                                                                             |
| 4300291723      | 01.12.2017   | 11.506,82                                                                              |
| 5200009803      | 31.10.2001   | 11.504,54                                                                              |
| 5200010151      | 01.11.2001   | -11.504,54                                                                             |
| 4300301247      | 08.12.2017   | 11.479,74                                                                              |
| 4300302215      | 10.12.2017   | 11.479,74                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300310665      | 14.12.2017   | 11.476,84                                                                              |
| 5200006277      | 01.03.2017   | 11.476,78                                                                              |
| 5200005738      | 28.02.2017   | -11.476,78                                                                             |
| 5200003928      | 31.03.2011   | -11.467,22                                                                             |
| 5200010976      | 01.05.2016   | 11.462,68                                                                              |
| 5200010499      | 30.04.2016   | -11.462,68                                                                             |
| 5200004128      | 01.08.2001   | 11.439,83                                                                              |
| 5200003974      | 31.07.2001   | -11.439,83                                                                             |
| 5200022258      | 01.10.2012   | 11.435,54                                                                              |
| 5200021964      | 30.09.2012   | -11.435,54                                                                             |
| 5200032159      | 01.10.2017   | 11.422,23                                                                              |
| 5200031606      | 30.09.2017   | -11.422,23                                                                             |
| 5200022303      | 01.10.2012   | 11.400,00                                                                              |
| 5200025984      | 01.11.2012   | 11.400,00                                                                              |
| 5200022009      | 30.09.2012   | -11.400,00                                                                             |
| 5200025679      | 31.10.2012   | -11.400,00                                                                             |
| 4300313303      | 26.12.2017   | 11.385,85                                                                              |
| 5200007540      | 01.03.2013   | 11.385,67                                                                              |
| 5200007209      | 28.02.2013   | -11.385,67                                                                             |
| 4300293465      | 01.12.2017   | 11.376,05                                                                              |
| 5200000345      | 01.01.2016   | 11.372,61                                                                              |
| 4800060970      | 17.11.2017   | 11.367,42                                                                              |
| 5200012550      | 01.06.2014   | 11.364,89                                                                              |
| 5200015505      | 01.07.2014   | 11.364,89                                                                              |
| 5200012105      | 31.05.2014   | -11.364,89                                                                             |
| 5200015077      | 30.06.2014   | -11.364,89                                                                             |
| 5200028477      | 01.09.2017   | 11.363,10                                                                              |
| 5200027921      | 31.08.2017   | -11.363,10                                                                             |
| 4300300382      | 05.12.2017   | 11.325,20                                                                              |
| 5200001035      | 31.01.2016   | 11.319,44                                                                              |
| 4300277821      | 07.11.2017   | 11.288,96                                                                              |
| 4300312784      | 27.12.2017   | 11.277,77                                                                              |
| 2740997         | 01.07.1997   | 11.274,64                                                                              |
| 2740996         | 30.06.1997   | -11.274,64                                                                             |
| 4300300714      | 13.12.2017   | 11.264,52                                                                              |
| 5200009860      | 01.05.2014   | 11.258,39                                                                              |
| 5200009438      | 30.04.2014   | -11.258,39                                                                             |
| 5200012651      | 01.06.2014   | 11.252,42                                                                              |
| 5200012206      | 31.05.2014   | -11.252,42                                                                             |
| 4800060218      | 14.11.2017   | 11.251,69                                                                              |
| 4300309072      | 19.12.2017   | 11.251,60                                                                              |
| 4300286610      | 28.11.2017   | 11.242,40                                                                              |
| 4300309417      | 18.12.2017   | 11.221,70                                                                              |
| 4300288181      | 15.11.2017   | 11.213,68                                                                              |
| 5200015573      | 01.07.2014   | 11.204,85                                                                              |
| 5200015145      | 30.06.2014   | -11.204,85                                                                             |
| 4300301249      | 08.12.2017   | 11.204,22                                                                              |
| 4300286609      | 29.11.2017   | 11.196,40                                                                              |
| 5200035827      | 01.11.2017   | 11.193,24                                                                              |
| 5200040432      | 01.12.2017   | 11.193,24                                                                              |
| 5200035276      | 31.10.2017   | -11.193,24                                                                             |
| 5200039887      | 30.11.2017   | -11.193,24                                                                             |
| 4300298647      | 08.12.2017   | 11.187,00                                                                              |
| 5200006757      | 01.04.2012   | 11.175,94                                                                              |
| 5200006461      | 31.03.2012   | -11.175,94                                                                             |
| 4300163661      | 08.07.2017   | 11.175,89                                                                              |
| 6000054195      | 19.02.2015   | -11.162,05                                                                             |
| 4800066590      | 12.12.2017   | 11.161,28                                                                              |
| 5200029323      | 01.11.2015   | 11.158,29                                                                              |
| 5200028915      | 31.10.2015   | -11.158,29                                                                             |
| 6000073124      | 10.03.2015   | -11.143,22                                                                             |
| 4800068339      | 19.12.2017   | 11.139,01                                                                              |
| 4300296281      | 08.12.2017   | 11.110,39                                                                              |
| 4800059555      | 10.11.2017   | 11.096,80                                                                              |
| 4300274157      | 13.11.2017   | 11.095,20                                                                              |
| 4300309808      | 19.12.2017   | 11.078,73                                                                              |
| 5200000458      | 01.01.2012   | 11.075,24                                                                              |
| 5200019986      | 31.12.2011   | -11.075,24                                                                             |

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| 4300308129      | 16.12.2017   | 11.062,14                                                                              |
| 5200005668      | 01.03.2016   | 11.060,49                                                                              |
| 5200005154      | 29.02.2016   | -11.060,49                                                                             |
| 5200022532      | 01.09.2015   | 11.032,08                                                                              |
| 5200006621      | 30.09.2009   | 11.025,63                                                                              |
| 4300293016      | 04.12.2017   | 11.002,15                                                                              |
| 5200000419      | 01.01.2017   | 10.991,29                                                                              |
| 5200034326      | 31.12.2016   | -10.991,29                                                                             |
| 4300307945      | 18.12.2017   | 10.984,80                                                                              |
| 4300308476      | 18.12.2017   | 10.952,90                                                                              |
| 6000003599      | 08.01.2010   | -10.939,81                                                                             |
| 4300308650      | 16.12.2017   | 10.928,78                                                                              |
| 5200005624      | 01.03.2016   | 10.921,99                                                                              |
| 5200005110      | 29.02.2016   | -10.921,99                                                                             |
| 4300112947      | 01.06.2017   | 10.921,81                                                                              |
| 4300309085      | 19.12.2017   | 10.915,80                                                                              |
| 5200000401      | 01.01.2017   | 10.909,70                                                                              |
| 5200034308      | 31.12.2016   | -10.909,70                                                                             |
| 5200000509      | 01.01.2012   | 10.908,23                                                                              |
| 5200020038      | 31.12.2011   | -10.908,23                                                                             |
| 5200023449      | 31.08.2013   | 10.900,13                                                                              |
| 5200014949      | 01.06.2015   | 10.881,48                                                                              |
| 5200014559      | 31.05.2015   | -10.881,48                                                                             |
| 5200001876      | 01.02.2016   | 10.874,10                                                                              |
| 5200001392      | 31.01.2016   | -10.874,10                                                                             |
| 5200006282      | 01.10.2010   | 10.867,69                                                                              |
| 5200006252      | 30.09.2010   | 10.867,69                                                                              |
| 5200006252      | 30.09.2010   | -10.867,69                                                                             |
| 5200006282      | 01.10.2010   | -10.867,69                                                                             |
| 5200012280      | 30.11.2004   | -10.824,70                                                                             |
| 4800059091      | 08.11.2017   | 10.822,88                                                                              |
| 4300313724      | 27.12.2017   | 10.810,00                                                                              |
| 5200035958      | 01.11.2017   | 10.802,29                                                                              |
| 5200035407      | 31.10.2017   | -10.802,29                                                                             |
| 4300311624      | 29.12.2017   | 10.800,00                                                                              |
| 4300298334      | 08.12.2017   | 10.782,73                                                                              |
| 4300288661      | 10.11.2017   | 10.776,94                                                                              |
| 6000058972      | 28.02.2017   | 10.776,43                                                                              |
| 4300283672      | 21.11.2017   | 10.768,60                                                                              |
| 5200029206      | 01.11.2015   | 10.766,07                                                                              |
| 5200028798      | 31.10.2015   | -10.766,07                                                                             |
| 4300300791      | 13.12.2017   | 10.731,80                                                                              |
| 5200012767      | 31.12.2004   | 10.729,05                                                                              |
| 5200005998      | 01.10.2001   | 10.688,80                                                                              |
| 5200005839      | 30.09.2001   | -10.688,80                                                                             |
| 6000296765      | 24.09.2015   | 10.676,91                                                                              |
| 4300313723      | 27.12.2017   | 10.672,00                                                                              |
| 4300308094      | 18.12.2017   | 10.668,59                                                                              |
| 5200023792      | 01.10.2014   | 10.668,40                                                                              |
| 5200023467      | 30.09.2014   | -10.668,40                                                                             |
| 4300297504      | 08.12.2017   | 10.667,16                                                                              |
| 5200028471      | 01.09.2017   | 10.658,47                                                                              |
| 5200027915      | 31.08.2017   | -10.658,47                                                                             |
| 5200042282      | 31.12.2017   | -10.636,92                                                                             |
| 4300307953      | 16.12.2017   | 10.629,16                                                                              |
| 5200015224      | 31.05.2013   | -10.622,63                                                                             |
| 5200006275      | 01.03.2017   | 10.552,96                                                                              |
| 5200005736      | 28.02.2017   | -10.552,96                                                                             |
| 5200004474      | 30.06.2008   | -10.549,05                                                                             |
| 5200010151      | 01.11.2001   | 10.536,64                                                                              |
| 5200009803      | 31.10.2001   | -10.536,64                                                                             |
| 5200014819      | 01.07.2012   | 10.514,45                                                                              |
| 5200014529      | 30.06.2012   | -10.514,45                                                                             |
| 5200014681      | 01.06.2016   | 10.514,40                                                                              |
| 5200014213      | 31.05.2016   | -10.514,40                                                                             |
| 4300291679      | 02.12.2017   | 10.511,35                                                                              |
| 5200031386      | 30.11.2015   | 10.504,69                                                                              |
| 5200007940      | 31.12.2007   | -10.503,76                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 21.4.a**  
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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200024729      | 01.08.2017   | 10.496,68                                                                              |
| 5200024185      | 31.07.2017   | -10.496,68                                                                             |
| 4000400975      | 19.12.2011   | -10.461,34                                                                             |
| 5200011103      | 01.05.2016   | 10.450,00                                                                              |
| 5200010626      | 30.04.2016   | -10.450,00                                                                             |
| 4300305340      | 16.12.2017   | 10.444,93                                                                              |
| 4800068334      | 19.12.2017   | 10.433,09                                                                              |
| 4300288942      | 20.11.2017   | 10.407,89                                                                              |
| 5200004316      | 01.03.2014   | 10.392,19                                                                              |
| 5200003917      | 28.02.2014   | -10.392,19                                                                             |
| 5200004163      | 30.06.2009   | -10.357,25                                                                             |
| 5200006393      | 01.03.2017   | 10.346,59                                                                              |
| 5200005854      | 28.02.2017   | -10.346,59                                                                             |
| 5200008148      | 30.11.2008   | 10.345,50                                                                              |
| 5200005593      | 01.03.2016   | 10.320,15                                                                              |
| 5200008662      | 01.04.2016   | 10.320,15                                                                              |
| 5200014659      | 01.06.2016   | 10.320,15                                                                              |
| 5200023621      | 01.09.2016   | 10.320,15                                                                              |
| 5200029833      | 01.11.2016   | 10.320,15                                                                              |
| 5200000394      | 01.01.2017   | 10.320,15                                                                              |
| 5200009423      | 01.04.2017   | 10.320,15                                                                              |
| 5200013980      | 01.05.2017   | 10.320,15                                                                              |
| 5200018001      | 01.06.2017   | 10.320,15                                                                              |
| 5200021701      | 01.07.2017   | 10.320,15                                                                              |
| 5200024717      | 01.08.2017   | 10.320,15                                                                              |
| 5200028469      | 01.09.2017   | 10.320,15                                                                              |
| 5200032152      | 01.10.2017   | 10.320,15                                                                              |
| 5200035823      | 01.11.2017   | 10.320,15                                                                              |
| 5200040429      | 01.12.2017   | 10.320,15                                                                              |
| 5200005079      | 29.02.2016   | -10.320,15                                                                             |
| 5200008178      | 31.03.2016   | -10.320,15                                                                             |
| 5200014191      | 31.05.2016   | -10.320,15                                                                             |
| 5200023163      | 31.08.2016   | -10.320,15                                                                             |
| 5200029384      | 31.10.2016   | -10.320,15                                                                             |
| 5200034301      | 31.12.2016   | -10.320,15                                                                             |
| 5200008891      | 31.03.2017   | -10.320,15                                                                             |
| 5200013430      | 30.04.2017   | -10.320,15                                                                             |
| 5200017447      | 31.05.2017   | -10.320,15                                                                             |
| 5200021150      | 30.06.2017   | -10.320,15                                                                             |
| 5200024173      | 31.07.2017   | -10.320,15                                                                             |
| 5200027913      | 31.08.2017   | -10.320,15                                                                             |
| 5200031599      | 30.09.2017   | -10.320,15                                                                             |
| 5200035272      | 31.10.2017   | -10.320,15                                                                             |
| 5200039884      | 30.11.2017   | -10.320,15                                                                             |
| 5200042184      | 31.12.2017   | -10.320,15                                                                             |
| 5200006808      | 01.04.2012   | 10.313,39                                                                              |
| 5200006512      | 31.03.2012   | -10.313,39                                                                             |
| 5200018097      | 01.06.2017   | 10.274,15                                                                              |
| 5200017543      | 31.05.2017   | -10.274,15                                                                             |
| 5200023134      | 01.09.2015   | 10.273,39                                                                              |
| 5200022755      | 31.08.2015   | -10.273,39                                                                             |
| 6000192541      | 16.06.2010   | -10.251,27                                                                             |
| 5200020369      | 01.08.2015   | 10.248,03                                                                              |
| 5200020002      | 31.07.2015   | -10.248,03                                                                             |
| 4300150108      | 14.06.2017   | 10.244,53                                                                              |
| 5200006709      | 30.09.2008   | -10.227,09                                                                             |
| 5200013999      | 01.05.2017   | 10.225,00                                                                              |
| 5200018020      | 01.06.2017   | 10.225,00                                                                              |
| 5200013449      | 30.04.2017   | -10.225,00                                                                             |
| 5200017466      | 31.05.2017   | -10.225,00                                                                             |
| 4300284522      | 21.11.2017   | 10.205,76                                                                              |
| 5200006225      | 31.03.2012   | -10.205,44                                                                             |
| 5200004665      | 01.03.2015   | 10.203,20                                                                              |
| 5200004235      | 28.02.2015   | -10.203,20                                                                             |
| 4300300286      | 12.12.2017   | 10.195,92                                                                              |
| 5200035882      | 01.11.2017   | 10.191,37                                                                              |
| 5200035331      | 31.10.2017   | -10.191,37                                                                             |
| 5200026387      | 01.10.2015   | 10.180,96                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200025973      | 30.09.2015   | -10.180,96                                                                             |
| 6000315015      | 14.10.2014   | -10.180,82                                                                             |
| 4300086839      | 13.04.2016   | 10.173,77                                                                              |
| 5200025763      | 30.09.2015   | 10.173,65                                                                              |
| 5200010406      | 01.04.2013   | 10.167,70                                                                              |
| 5200010065      | 31.03.2013   | -10.167,70                                                                             |
| 4800063415      | 28.11.2017   | 10.136,66                                                                              |
| 5200023632      | 01.09.2016   | 10.133,94                                                                              |
| 5200023174      | 31.08.2016   | -10.133,94                                                                             |
| 5200002361      | 01.02.2012   | 10.130,37                                                                              |
| 5200002119      | 31.01.2012   | -10.130,37                                                                             |
| 5200008007      | 01.04.2015   | 10.116,51                                                                              |
| 5200007605      | 31.03.2015   | -10.116,51                                                                             |
| 5200020667      | 01.08.2016   | 10.081,58                                                                              |
| 5200020202      | 31.07.2016   | -10.081,58                                                                             |
| 4300273633      | 14.11.2017   | 10.068,91                                                                              |
| 4300302871      | 08.12.2017   | 10.068,91                                                                              |
| 5200004090      | 31.05.2005   | -10.029,52                                                                             |
| 4300303949      | 14.12.2017   | 10.023,57                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



## II. Trade accounts payable to affiliated companies attributable to the Operating Unit Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002336      | 31.12.2017   | 464.310,34                                                                             |
| 5200042111      | 31.12.2017   | 380.500,37                                                                             |
| 5200042043      | 31.12.2017   | 242.946,26                                                                             |
| 5200042063      | 31.12.2017   | 232.111,99                                                                             |
| 5200042090      | 31.12.2017   | 230.855,81                                                                             |
| 5000002291      | 31.12.2017   | 220.869,31                                                                             |
| 5200042133      | 31.12.2017   | 144.563,50                                                                             |
| 5200042091      | 31.12.2017   | 142.713,53                                                                             |
| 5200042119      | 31.12.2017   | 108.168,98                                                                             |
| 5200042064      | 31.12.2017   | 95.191,20                                                                              |
| 5000002367      | 31.12.2017   | 94.184,28                                                                              |
| 5200042141      | 31.12.2017   | 93.566,24                                                                              |
| 5000002376      | 31.12.2017   | 76.776,56                                                                              |
| 5200042095      | 31.12.2017   | 72.596,53                                                                              |
| 5200042098      | 31.12.2017   | 60.564,11                                                                              |
| 5200042099      | 31.12.2017   | -57.313,14                                                                             |
| 5200042085      | 31.12.2017   | 47.385,60                                                                              |
| 5200042134      | 31.12.2017   | 45.820,16                                                                              |
| 4300057396      | 08.03.2017   | 43.725,36                                                                              |
| 5200042100      | 31.12.2017   | 38.356,69                                                                              |
| 5000002374      | 31.12.2017   | 37.133,51                                                                              |
| 5000002320      | 31.12.2017   | 36.061,73                                                                              |
| 5000002377      | 31.12.2017   | 35.489,23                                                                              |
| 5200042048      | 31.12.2017   | 34.483,87                                                                              |
| 5200042069      | 31.12.2017   | 33.443,35                                                                              |
| 5200042047      | 31.12.2017   | 31.220,00                                                                              |
| 5200042089      | 31.12.2017   | 30.724,71                                                                              |
| 5000002322      | 31.12.2017   | 30.260,73                                                                              |
| 5200042120      | 31.12.2017   | 27.467,77                                                                              |
| 5000002329      | 31.12.2017   | 27.360,93                                                                              |
| 5000002362      | 31.12.2017   | 26.111,63                                                                              |
| 5200042071      | 31.12.2017   | 24.908,59                                                                              |
| 5200042042      | 31.12.2017   | 24.030,57                                                                              |
| 4300212061      | 05.09.2017   | 22.947,86                                                                              |
| 5200042135      | 31.12.2017   | 22.767,05                                                                              |
| 5000002331      | 31.12.2017   | 22.124,36                                                                              |
| 5200042112      | 31.12.2017   | 21.192,20                                                                              |
| 5200042082      | 31.12.2017   | 19.265,46                                                                              |
| 5000002363      | 31.12.2017   | 19.165,54                                                                              |
| 5200042143      | 31.12.2017   | 18.733,59                                                                              |
| 5200042049      | 31.12.2017   | 18.634,69                                                                              |
| 5200042050      | 31.12.2017   | 17.136,06                                                                              |
| 5000002365      | 31.12.2017   | 13.823,25                                                                              |
| 5200042094      | 31.12.2017   | 10.208,00                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

## III. Other liabilities to third parties attributable to the Operating Unit Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 3200000803      | 31.12.2014   | 302.551,77                                                                             |
| 3200000734      | 31.12.2012   | -298.797,91                                                                            |
| 2600202665      | 24.10.2017   | 87.395,43                                                                              |
| 6000087667      | 24.03.2017   | 77.494,11                                                                              |
| 3200000510      | 31.12.2005   | 71.924,10                                                                              |
| 2500001281      | 28.11.2017   | 53.193,97                                                                              |
| 3200000606      | 31.12.2008   | -43.907,11                                                                             |
| 3200000766      | 31.12.2013   | -42.379,79                                                                             |
| 2500001329      | 08.12.2017   | 42.333,50                                                                              |
| 6000394502      | 13.12.2017   | 40.946,53                                                                              |
| 3200000538      | 31.12.2006   | -39.190,68                                                                             |
| 3200000625      | 31.12.2009   | 38.157,09                                                                              |
| 7800010169      | 31.12.2017   | 35.552,96                                                                              |
| 2500001397      | 21.12.2017   | 35.338,01                                                                              |
| 2500001405      | 22.12.2017   | 33.680,53                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000094520      | 23.03.2017   | 30.085,99                                                                              |
| 6000376044      | 28.11.2017   | 26.227,77                                                                              |
| 6000270882      | 31.08.2017   | 24.935,97                                                                              |
| 2500001280      | 28.11.2017   | 21.561,89                                                                              |
| 6000384013      | 04.12.2017   | 16.323,27                                                                              |
| 6000095793      | 31.03.2017   | 14.300,05                                                                              |
| 6000369207      | 30.11.2016   | 12.660,66                                                                              |
| 2500001099      | 02.11.2017   | 11.545,50                                                                              |
| 6000380333      | 01.12.2017   | 10.802,38                                                                              |
| 6000300676      | 27.09.2013   | 10.143,25                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

## IV. Order commitments

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------|--------------|---------------------------------------------------------------------------|
|                 | 31.12.2017   | 17.896.091,71                                                             |

## V. Obligation to accept delivery

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------|--------------|---------------------------------------------------------------------------|
|                 | 31.12.2017   | 4.180.640,00                                                              |

## VI. Rental and leasing obligations

| Document number | Contract term | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------|---------------|---------------------------------------------------------------------------|
| 605031          | 30.06.2019    | 371.788,56                                                                |
| 637984          | 30.09.2021    | 73.051,63                                                                 |
| 516648          | 30.06.2022    | 51.563,74                                                                 |
| 639455          | 31.08.2025    | 25.465,60                                                                 |
| 639455          | 31.08.2025    | 25.465,60                                                                 |
| 639455          | 31.08.2025    | 25.465,60                                                                 |
| 639455          | 01.02.2025    | 23.366,48                                                                 |
| 639455          | 31.08.2025    | 23.330,46                                                                 |
| 639455          | 31.08.2025    | 23.330,46                                                                 |
| 639455          | 31.08.2025    | 23.330,46                                                                 |
| 639455          | 31.08.2025    | 23.330,46                                                                 |
| 639455          | 31.08.2025    | 23.330,46                                                                 |
| 639455          | 31.08.2025    | 23.330,46                                                                 |
| 639455          | 31.08.2025    | 23.330,46                                                                 |
| 639455          | 31.08.2025    | 23.330,46                                                                 |
| 684258          | 28.09.2018    | 20.071,80                                                                 |

## VII. Leasing obligations

| Leased Asset /Contract | Contract term |
|------------------------|---------------|
| DA-RN 465              | 24.10.2021    |
| DA-AR 142              | 23.10.2021    |
| DA-ED 777              | 01.05.2021    |
| DA-TJ 120              | 28.05.2021    |
| DA-NN 779              | 01.06.2021    |
| DA-MB 139              | 03.04.2021    |
| DA-MC 263              | 29.08.2021    |
| DA-JS 282              | 30.03.2021    |
| DA-MH 535              | 30.08.2021    |
| DA-AJ 430              | 02.03.2021    |
| DA-LX 531              | 16.02.2021    |
| DA-UG 900              | 15.01.2021    |
| DA-MT 253              | 28.02.2021    |
| DA-FW 880              | 01.12.2020    |
| DA-CH 180              | 13.10.2020    |
| DA-OM 209              | 02.05.2020    |
| DA-CK 417              | 19.02.2021    |
| DA-TA 842              | 10.12.2020    |
| DA-IV 883              | 30.11.2020    |
| DA-PU 444              | 18.02.2020    |
| DA-MM 894              | 25.05.2019    |
| DA-MP 180              | 23.06.2019    |

## **Annex 21.4.b**

### Uncertain Liabilities Life Science

**I. Accrued provisions for pensions and other post-employment benefits attributable to the Operating Unit Life Science**

| Actuarial report, Reference | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------------------|------------|----------------------------------------------------------------------------------------|
| M0195.0.00 – ako/sg         | 23.01.2018 | 24.885.075,69                                                                          |
| M0195.0.00 – ako/sg         | 24.01.2018 | 538.924,00                                                                             |

**II. Provisions for personnel expenses**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002077      | 31.12.2017   | 5.951.100,03                                                                           |
| 5000001035      | 30.06.2017   | 5.108.815,07                                                                           |
| 5000001674      | 31.10.2017   | 3.760.322,00                                                                           |
| 5000000196      | 05.02.2015   | -2.212.946,10                                                                          |
| 5000000533      | 31.03.2017   | 2.084.752,83                                                                           |
| 5000000196      | 05.02.2015   | -1.852.142,95                                                                          |
| 5000001029      | 30.06.2017   | 1.734.851,28                                                                           |
| 5000002520      | 31.12.2017   | 1.700.000,00                                                                           |
| 7800002740      | 30.04.2017   | -1.366.318,35                                                                          |
| 5000000332      | 10.03.2015   | -1.210.650,95                                                                          |
| 5000001443      | 30.09.2017   | -1.198.159,43                                                                          |
| 5000000332      | 10.03.2015   | 1.143.642,05                                                                           |
| 5000001479      | 30.09.2017   | 1.005.381,11                                                                           |
| 7800000958      | 28.02.2017   | 917.855,71                                                                             |
| 5000001648      | 31.10.2017   | 868.599,80                                                                             |
| 5000001904      | 01.12.2017   | 868.599,80                                                                             |
| 5000000654      | 30.04.2017   | 852.647,49                                                                             |
| 5000001179      | 31.07.2017   | 852.294,71                                                                             |
| 5000001312      | 31.08.2017   | 852.294,71                                                                             |
| 5000002247      | 31.12.2017   | -832.173,60                                                                            |
| 5000000196      | 05.02.2015   | -790.583,09                                                                            |
| 5000000487      | 30.04.2016   | 683.544,91                                                                             |
| 5000001831      | 31.12.2015   | 679.895,31                                                                             |
| 5000000466      | 14.03.2017   | 529.281,89                                                                             |
| 5000001842      | 31.12.2009   | 489.286,60                                                                             |
| 5000000196      | 05.02.2015   | -430.425,65                                                                            |
| 7800000958      | 28.02.2017   | -419.853,26                                                                            |
| 5000000763      | 30.06.2016   | 419.493,76                                                                             |
| 7800000958      | 28.02.2017   | 416.596,48                                                                             |
| 7800000958      | 28.02.2017   | -416.596,48                                                                            |
| 5000000361      | 02.03.2017   | -414.098,09                                                                            |
| 5000000361      | 02.03.2017   | 413.717,64                                                                             |
| 5000001888      | 31.12.2015   | 401.882,48                                                                             |
| 5000001888      | 31.12.2015   | -401.882,48                                                                            |
| 7800001594      | 31.03.2016   | 397.193,23                                                                             |
| 5000000196      | 05.02.2015   | -359.253,80                                                                            |
| 5000002387      | 31.12.2017   | 353.709,10                                                                             |
| 5000000379      | 03.03.2016   | 349.861,17                                                                             |
| 5000000252      | 03.03.2016   | -345.581,74                                                                            |
| 5000002121      | 31.12.2017   | -325.855,40                                                                            |
| 5000002388      | 31.12.2017   | 324.175,65                                                                             |
| 5000001175      | 30.09.2016   | 310.621,11                                                                             |
| 5000000355      | 31.03.2015   | -302.960,38                                                                            |
| 5000000466      | 14.03.2017   | -295.591,36                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000481      | 14.04.2016   | -293.256,70                                                                            |
| 5000000221      | 14.02.2017   | 292.703,86                                                                             |
| 5000002356      | 31.12.2017   | 288.010,76                                                                             |
| 5000000338      | 31.03.2015   | -286.532,20                                                                            |
| 5000000338      | 31.03.2015   | 285.280,94                                                                             |
| 5000001320      | 21.10.2013   | 281.159,29                                                                             |
| 5000000368      | 26.03.2014   | -278.680,04                                                                            |
| 5000001476      | 30.09.2017   | -274.622,88                                                                            |
| 5000002180      | 31.12.2017   | 266.634,69                                                                             |
| 5000002180      | 31.12.2017   | -266.634,69                                                                            |
| 5000000498      | 17.04.2013   | 246.218,24                                                                             |
| 5000002342      | 31.12.2017   | 243.116,85                                                                             |
| 5000002342      | 31.12.2017   | -243.116,85                                                                            |
| 5000001001      | 30.06.2017   | 240.980,73                                                                             |
| 5000000332      | 10.03.2015   | -234.954,66                                                                            |
| 7800004288      | 31.07.2013   | 234.412,20                                                                             |
| 7800004288      | 31.07.2013   | -234.412,20                                                                            |
| 5000001847      | 31.12.2016   | 231.538,15                                                                             |
| 5000002077      | 31.12.2017   | 231.491,31                                                                             |
| 7800000861      | 28.02.2015   | 228.594,55                                                                             |
| 7800001333      | 28.02.2014   | 224.958,07                                                                             |
| 5000001775      | 31.12.2014   | 222.522,28                                                                             |
| 5000000332      | 10.03.2015   | 221.972,37                                                                             |
| 5000001768      | 31.12.2016   | 211.000,00                                                                             |
| 5000002077      | 31.12.2017   | 192.132,91                                                                             |
| 5000001512      | 01.08.2011   | 190.945,85                                                                             |
| 7800000845      | 29.02.2012   | 184.948,60                                                                             |
| 7800000096      | 31.01.2017   | 183.203,91                                                                             |
| 7800000096      | 31.01.2017   | -183.203,91                                                                            |
| 7800007002      | 30.11.2010   | 175.404,83                                                                             |
| 7800000861      | 28.02.2015   | 175.371,51                                                                             |
| 5000002122      | 31.12.2017   | -171.451,46                                                                            |
| 5000000466      | 14.03.2017   | -170.000,43                                                                            |
| 5000000221      | 14.02.2017   | -169.588,15                                                                            |
| 5000002391      | 31.12.2017   | 166.425,34                                                                             |
| 5000001477      | 30.09.2017   | -166.397,05                                                                            |
| 5000001828      | 31.12.2015   | 166.214,80                                                                             |
| 7800000777      | 28.02.2011   | 164.797,33                                                                             |
| 7800001229      | 28.02.2013   | 163.514,29                                                                             |
| 7800001229      | 28.02.2013   | -163.514,29                                                                            |
| 7800001333      | 28.02.2014   | 160.075,98                                                                             |
| 5000000481      | 14.04.2016   | -159.999,34                                                                            |
| 5000000355      | 31.03.2015   | -159.530,57                                                                            |
| 7800000857      | 28.02.2010   | 159.112,76                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001806      | 31.12.2014   | 156.238,48                                                                             |
| 5000001806      | 31.12.2014   | -156.238,48                                                                            |
| 5000000196      | 05.02.2015   | -153.192,37                                                                            |
| 7800000124      | 31.01.2014   | 148.937,66                                                                             |
| 5000000157      | 22.02.2016   | -147.928,64                                                                            |
| 7800000083      | 31.01.2016   | 143.634,46                                                                             |
| 7800000202      | 31.01.2015   | 138.577,35                                                                             |
| 5000001009      | 30.06.2017   | 134.390,32                                                                             |
| 5000001454      | 14.09.2017   | 132.953,79                                                                             |
| 5000001722      | 01.11.2017   | 131.679,73                                                                             |
| 5000000196      | 05.02.2015   | 129.668,91                                                                             |
| 5000001226      | 01.08.2017   | 125.277,95                                                                             |
| 5000000361      | 02.03.2017   | -124.521,22                                                                            |
| 5000000361      | 02.03.2017   | 123.381,25                                                                             |
| 5000002361      | 31.12.2017   | 119.329,42                                                                             |
| 5000001849      | 31.12.2016   | -118.891,88                                                                            |
| 5000000761      | 30.06.2016   | 117.141,04                                                                             |
| 5000000797      | 16.05.2017   | 116.743,89                                                                             |
| 5000000338      | 31.03.2015   | -113.981,54                                                                            |
| 5000000338      | 31.03.2015   | 113.458,24                                                                             |
| 5000000661      | 18.04.2017   | 110.063,03                                                                             |
| 5000001177      | 30.09.2016   | 109.237,32                                                                             |
| 5000000481      | 31.03.2017   | 103.009,62                                                                             |
| 5000001149      | 14.09.2016   | 102.963,08                                                                             |
| 5000000466      | 14.03.2017   | 102.837,05                                                                             |
| 7800007002      | 30.11.2010   | 102.340,24                                                                             |
| 5000002395      | 31.12.2017   | 101.211,62                                                                             |
| 5000002416      | 31.12.2017   | -101.211,62                                                                            |
| 5000001882      | 31.12.2016   | 100.745,20                                                                             |
| 5000001882      | 31.12.2016   | -100.745,20                                                                            |
| 5000000240      | 10.03.2015   | -96.161,43                                                                             |
| 5000000361      | 02.03.2017   | -94.333,87                                                                             |
| 5000000361      | 02.03.2017   | 94.172,84                                                                              |
| 5000000098      | 14.01.2015   | 92.049,90                                                                              |
| 5000001722      | 31.12.2016   | 91.661,95                                                                              |
| 7800002612      | 30.04.2017   | -85.794,53                                                                             |
| 5000000379      | 03.03.2016   | 85.703,21                                                                              |
| 5000000252      | 03.03.2016   | -85.517,38                                                                             |
| 5000000301      | 26.03.2013   | -83.543,74                                                                             |
| 5000000379      | 03.03.2016   | 82.778,36                                                                              |
| 5000000252      | 03.03.2016   | -81.207,89                                                                             |
| 7800000958      | 28.02.2017   | 80.942,34                                                                              |
| 7800000958      | 28.02.2017   | -80.942,34                                                                             |
| 5000000361      | 02.03.2017   | -80.321,28                                                                             |
| 5000000361      | 02.03.2017   | 80.248,18                                                                              |
| 7800000861      | 28.02.2015   | 78.085,39                                                                              |
| 5000000221      | 14.02.2017   | -78.007,85                                                                             |
| 5000001757      | 14.11.2017   | -77.649,63                                                                             |
| 7800001594      | 31.03.2016   | 76.779,91                                                                              |
| 5000002112      | 14.12.2017   | -75.773,52                                                                             |
| 5000001722      | 01.11.2017   | -75.722,59                                                                             |
| 5000001914      | 31.12.2013   | 75.299,10                                                                              |
| 5000001454      | 14.09.2017   | -75.087,34                                                                             |
| 5000001007      | 16.08.2016   | -74.498,80                                                                             |
| 7800001333      | 28.02.2014   | 74.232,11                                                                              |
| 7800010169      | 31.12.2017   | 74.147,40                                                                              |
| 7800010169      | 31.12.2017   | -74.147,40                                                                             |
| 5000000485      | 31.03.2017   | 73.889,01                                                                              |
| 5000000240      | 10.03.2015   | -73.305,36                                                                             |
| 5000001291      | 15.08.2017   | -72.007,48                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001727      | 31.12.2016   | 71.960,19                                                                              |
| 5000002180      | 31.12.2017   | 70.872,05                                                                              |
| 5000002180      | 31.12.2017   | -70.872,05                                                                             |
| 7800008162      | 31.10.2017   | 70.712,81                                                                              |
| 7800009364      | 30.11.2017   | 69.854,00                                                                              |
| 7800007359      | 30.09.2017   | 68.830,17                                                                              |
| 7800007359      | 30.09.2017   | -68.830,17                                                                             |
| 5000000379      | 03.03.2016   | 67.849,23                                                                              |
| 5000001226      | 01.08.2017   | -67.619,93                                                                             |
| 5000000252      | 03.03.2016   | -67.018,84                                                                             |
| 5000000797      | 16.05.2017   | -66.756,34                                                                             |
| 7800006349      | 31.08.2017   | 66.647,97                                                                              |
| 7800006349      | 31.08.2017   | -66.647,97                                                                             |
| 5000000702      | 25.06.2015   | -66.517,07                                                                             |
| 5000000124      | 05.02.2016   | -66.452,26                                                                             |
| 5000000906      | 14.06.2017   | -66.392,40                                                                             |
| 5000001436      | 25.11.2015   | -66.266,56                                                                             |
| 5000000118      | 16.01.2017   | -66.154,10                                                                             |
| 5000000875      | 21.07.2015   | -66.073,47                                                                             |
| 5000001398      | 17.11.2015   | -65.922,99                                                                             |
| 5000000592      | 28.05.2015   | -65.848,14                                                                             |
| 5000001142      | 29.09.2015   | -65.811,56                                                                             |
| 5000001042      | 31.08.2015   | -65.728,02                                                                             |
| 5000000685      | 14.06.2016   | -65.688,06                                                                             |
| 5000000350      | 10.03.2015   | -65.464,23                                                                             |
| 5000001391      | 15.11.2016   | -65.257,24                                                                             |
| 5000001713      | 29.12.2015   | -65.146,36                                                                             |
| 5000002429      | 31.12.2017   | -65.062,25                                                                             |
| 5000001149      | 14.09.2016   | -65.056,71                                                                             |
| 5000001234      | 14.10.2016   | -64.904,99                                                                             |
| 5000001653      | 14.12.2016   | -64.847,25                                                                             |
| 5000000896      | 14.07.2016   | -64.801,90                                                                             |
| 5000000661      | 18.04.2017   | -64.572,97                                                                             |
| 5000000583      | 17.05.2016   | -63.757,87                                                                             |
| 5000000596      | 28.05.2015   | -63.106,75                                                                             |
| 7800005440      | 31.07.2017   | 63.106,15                                                                              |
| 5000000737      | 30.06.2016   | -62.730,30                                                                             |
| 5000000332      | 10.03.2015   | 62.708,97                                                                              |
| 5000000264      | 15.03.2016   | -62.424,92                                                                             |
| 5000000157      | 22.02.2016   | -62.100,76                                                                             |
| 5000000196      | 05.02.2015   | 62.045,02                                                                              |
| 5000000350      | 10.03.2015   | 61.829,24                                                                              |
| 7800007002      | 30.11.2010   | 61.228,62                                                                              |
| 5000001766      | 13.11.2012   | 61.097,45                                                                              |
| 5000001969      | 01.12.2012   | -61.097,45                                                                             |
| 5000001266      | 30.09.2013   | 60.597,76                                                                              |
| 5000002390      | 31.12.2017   | -59.348,60                                                                             |
| 5000000355      | 31.03.2015   | -58.561,65                                                                             |
| 5000000466      | 14.03.2017   | -57.432,15                                                                             |
| 5000000221      | 14.02.2017   | 56.869,18                                                                              |
| 7800000096      | 31.01.2017   | 56.853,37                                                                              |
| 7800000096      | 31.01.2017   | -56.853,37                                                                             |
| 5000000466      | 14.03.2017   | -56.806,90                                                                             |
| 5000000481      | 14.04.2016   | -56.688,03                                                                             |
| 7800004553      | 30.06.2017   | 56.604,98                                                                              |
| 7800004553      | 30.06.2017   | -56.604,98                                                                             |
| 5000000338      | 31.03.2015   | -56.064,45                                                                             |
| 5000000338      | 31.03.2015   | 55.819,56                                                                              |
| 7800002740      | 30.04.2017   | 55.567,09                                                                              |
| 7800002740      | 30.04.2017   | -55.567,09                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800003663      | 31.05.2017   | 55.393,18                                                                              |
| 5000000240      | 10.03.2015   | -54.941,00                                                                             |
| 5000000368      | 26.03.2014   | -54.498,79                                                                             |
| 5000001320      | 21.10.2013   | 54.203,91                                                                              |
| 7800009295      | 31.12.2016   | 53.973,91                                                                              |
| 7800000096      | 31.01.2017   | 53.866,20                                                                              |
| 7800000096      | 31.01.2017   | -53.866,20                                                                             |
| 7800000958      | 28.02.2017   | 53.647,90                                                                              |
| 7800000958      | 28.02.2017   | -53.647,90                                                                             |
| 7800001980      | 31.03.2017   | 53.638,34                                                                              |
| 7800001980      | 31.03.2017   | -53.638,34                                                                             |
| 7800003517      | 31.05.2016   | 52.997,89                                                                              |
| 7800007440      | 31.10.2016   | 52.962,14                                                                              |
| 7800008381      | 30.11.2016   | 52.726,23                                                                              |
| 7800003831      | 30.06.2012   | 52.171,21                                                                              |
| 7800006461      | 31.08.2016   | 51.938,13                                                                              |
| 7800006461      | 31.08.2016   | -51.938,13                                                                             |
| 7800006816      | 30.09.2016   | 51.853,92                                                                              |
| 7800001594      | 31.03.2016   | 51.360,34                                                                              |
| 7800002963      | 31.05.2012   | 50.799,88                                                                              |
| 7800005497      | 31.07.2016   | 50.645,90                                                                              |
| 7800002402      | 30.04.2016   | 50.583,46                                                                              |
| 7800004096      | 30.06.2016   | 50.522,86                                                                              |
| 7800008626      | 31.12.2015   | 50.482,65                                                                              |
| 7800002262      | 30.04.2012   | 50.441,74                                                                              |
| 7800003467      | 31.05.2015   | 50.398,73                                                                              |
| 7800000083      | 31.01.2016   | 50.304,37                                                                              |
| 7800001462      | 29.02.2016   | 50.093,78                                                                              |
| 7800002458      | 30.04.2015   | 49.978,99                                                                              |
| 5000001849      | 31.12.2016   | 49.966,55                                                                              |
| 7800007031      | 31.10.2015   | 49.895,51                                                                              |
| 7800004386      | 31.07.2012   | 49.790,74                                                                              |
| 7800008408      | 30.11.2015   | 49.633,78                                                                              |
| 7800003913      | 30.06.2015   | 49.386,45                                                                              |
| 7800005470      | 31.08.2015   | 49.187,25                                                                              |
| 7800006139      | 30.09.2015   | 49.167,51                                                                              |
| 7800001555      | 31.03.2012   | 49.061,81                                                                              |
| 7800007370      | 31.12.2011   | 48.743,53                                                                              |
| 7800005158      | 31.07.2015   | 48.734,61                                                                              |
| 7800000138      | 31.01.2012   | 48.530,35                                                                              |
| 7800000845      | 29.02.2012   | 48.325,87                                                                              |
| 5000000533      | 31.03.2017   | 47.840,70                                                                              |
| 7800001827      | 31.03.2015   | 47.507,46                                                                              |
| 7800000202      | 31.01.2015   | 47.500,45                                                                              |
| 7800006921      | 30.11.2011   | 47.484,30                                                                              |
| 5000000498      | 17.04.2013   | 47.473,88                                                                              |
| 7800008422      | 31.12.2014   | 47.275,23                                                                              |
| 7800008422      | 31.12.2014   | -47.275,23                                                                             |
| 7800000861      | 28.02.2015   | 47.068,36                                                                              |
| 7800006204      | 31.10.2011   | 47.009,72                                                                              |
| 7800000083      | 31.01.2016   | 46.948,32                                                                              |
| 7800005087      | 31.08.2012   | 46.777,74                                                                              |
| 7800002416      | 30.04.2014   | 46.577,98                                                                              |
| 7800003754      | 30.06.2014   | 46.519,73                                                                              |
| 7800006663      | 31.10.2014   | 46.147,56                                                                              |
| 7800003029      | 31.05.2014   | 46.004,24                                                                              |
| 7800007421      | 30.11.2014   | 45.981,95                                                                              |
| 7800005662      | 30.09.2011   | 45.825,88                                                                              |
| 7800005913      | 30.09.2014   | 45.742,07                                                                              |
| 7800005140      | 31.08.2014   | 45.659,56                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000501      | 19.04.2013   | 45.650,47                                                                              |
| 7800003386      | 30.06.2011   | 45.566,65                                                                              |
| 7800001549      | 31.03.2014   | 45.478,28                                                                              |
| 7800004657      | 31.07.2014   | 45.467,62                                                                              |
| 7800004681      | 31.08.2011   | 45.390,18                                                                              |
| 7800004288      | 31.07.2013   | 45.190,81                                                                              |
| 7800004288      | 31.07.2013   | -45.190,81                                                                             |
| 7800004091      | 31.07.2011   | 44.947,29                                                                              |
| 7800000124      | 31.01.2014   | 44.801,31                                                                              |
| 7800005734      | 30.09.2012   | 44.696,69                                                                              |
| 7800000202      | 31.01.2015   | 44.616,48                                                                              |
| 7800002599      | 30.04.2011   | 44.249,65                                                                              |
| 7800006412      | 31.10.2012   | 44.211,73                                                                              |
| 7800002727      | 31.05.2011   | 43.931,59                                                                              |
| 7800000124      | 31.01.2014   | 43.709,88                                                                              |
| 7800007579      | 30.11.2012   | 43.259,83                                                                              |
| 5000000481      | 14.04.2016   | -42.434,72                                                                             |
| 7800001333      | 28.02.2014   | 42.198,33                                                                              |
| 5000000653      | 30.04.2017   | -41.439,32                                                                             |
| 5000001883      | 31.12.2016   | -41.235,33                                                                             |
| 7800007992      | 31.12.2013   | 40.952,36                                                                              |
| 5000001095      | 30.06.2012   | 40.886,51                                                                              |
| 5000001095      | 30.06.2012   | -40.886,51                                                                             |
| 7800007788      | 31.12.2012   | 40.818,86                                                                              |
| 7800001562      | 31.03.2011   | 40.753,43                                                                              |
| 7800004553      | 30.06.2017   | 40.336,71                                                                              |
| 7800004553      | 30.06.2017   | -40.336,71                                                                             |
| 7800000777      | 28.02.2011   | 40.333,79                                                                              |
| 5000001172      | 29.09.2015   | 40.245,01                                                                              |
| 5000001415      | 23.11.2015   | 40.107,56                                                                              |
| 7800006487      | 31.10.2013   | 40.104,12                                                                              |
| 7800007127      | 30.11.2013   | 40.063,98                                                                              |
| 7800003663      | 31.05.2017   | 39.876,58                                                                              |
| 7800002740      | 30.04.2017   | 39.855,46                                                                              |
| 7800002740      | 30.04.2017   | -39.855,46                                                                             |
| 5000001172      | 29.09.2015   | -39.807,29                                                                             |
| 7800006349      | 31.08.2017   | 39.804,38                                                                              |
| 7800006349      | 31.08.2017   | -39.804,38                                                                             |
| 5000000221      | 14.02.2017   | -39.797,08                                                                             |
| 5000001415      | 23.11.2015   | -39.744,52                                                                             |
| 7800005704      | 30.09.2013   | 39.687,63                                                                              |
| 7800000133      | 31.01.2011   | 39.672,43                                                                              |
| 7800005440      | 31.07.2017   | 39.623,75                                                                              |
| 7800005514      | 31.08.2013   | 39.350,28                                                                              |
| 7800008162      | 31.10.2017   | 38.975,85                                                                              |
| 7800002892      | 31.05.2013   | 38.777,82                                                                              |
| 7800007359      | 30.09.2017   | 38.771,49                                                                              |
| 7800007359      | 30.09.2017   | -38.771,49                                                                             |
| 7800001980      | 31.03.2017   | 38.704,66                                                                              |
| 7800001980      | 31.03.2017   | -38.704,66                                                                             |
| 5000001010      | 30.06.2017   | 38.683,48                                                                              |
| 7800000958      | 28.02.2017   | 38.602,28                                                                              |
| 7800000958      | 28.02.2017   | -38.602,28                                                                             |
| 7800007278      | 31.12.2010   | 38.358,05                                                                              |
| 7800000099      | 31.01.2013   | 38.332,69                                                                              |
| 7800004288      | 31.07.2013   | 38.237,53                                                                              |
| 7800004288      | 31.07.2013   | -38.237,53                                                                             |
| 7800000096      | 31.01.2017   | 38.226,82                                                                              |
| 7800000096      | 31.01.2017   | -38.226,82                                                                             |
| 5000001123      | 16.09.2015   | 37.980,87                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001123      | 16.09.2015   | -37.915,89                                                                             |
| 7800001229      | 28.02.2013   | 37.699,31                                                                              |
| 7800001229      | 28.02.2013   | -37.699,31                                                                             |
| 7800001901      | 31.03.2013   | 37.440,90                                                                              |
| 7800001901      | 31.03.2013   | -37.440,90                                                                             |
| 5000000158      | 22.02.2016   | 37.321,42                                                                              |
| 7800003663      | 30.06.2013   | 37.282,28                                                                              |
| 7800002692      | 30.04.2013   | 37.177,50                                                                              |
| 5000000158      | 22.02.2016   | -37.131,38                                                                             |
| 7800010169      | 31.12.2017   | 36.275,69                                                                              |
| 7800010169      | 31.12.2017   | -36.275,69                                                                             |
| 7800009364      | 30.11.2017   | 36.240,38                                                                              |
| 7800000845      | 29.02.2012   | 36.208,78                                                                              |
| 7800001229      | 28.02.2013   | 35.920,42                                                                              |
| 7800001229      | 28.02.2013   | -35.920,42                                                                             |
| 7800007002      | 30.11.2010   | 35.477,81                                                                              |
| 7800002402      | 30.04.2016   | 34.466,86                                                                              |
| 7800004096      | 30.06.2016   | 34.345,54                                                                              |
| 7800003517      | 31.05.2016   | 34.319,56                                                                              |
| 5000001878      | 30.09.2011   | -34.055,25                                                                             |
| 5000000661      | 01.06.2015   | 33.885,61                                                                              |
| 5000002930      | 31.12.2011   | 33.864,57                                                                              |
| 5000000661      | 01.06.2015   | -33.834,77                                                                             |
| 7800001462      | 29.02.2016   | 33.650,44                                                                              |
| 7800006461      | 31.08.2016   | 33.590,08                                                                              |
| 7800006461      | 31.08.2016   | -33.590,08                                                                             |
| 7800001594      | 31.03.2016   | 33.562,29                                                                              |
| 7800007440      | 31.10.2016   | 33.440,21                                                                              |
| 5000002112      | 14.12.2017   | -33.289,64                                                                             |
| 7800007421      | 30.11.2014   | 33.284,13                                                                              |
| 7800006816      | 30.09.2016   | 33.226,59                                                                              |
| 7800000083      | 31.01.2016   | 33.167,41                                                                              |
| 5000001454      | 14.09.2017   | -33.140,32                                                                             |
| 7800005497      | 31.07.2016   | 33.039,62                                                                              |
| 5000000466      | 14.03.2017   | -33.030,09                                                                             |
| 5000002247      | 31.12.2017   | 32.995,77                                                                              |
| 5000000221      | 14.02.2017   | -32.949,18                                                                             |
| 7800006663      | 31.10.2014   | 32.811,52                                                                              |
| 7800005913      | 30.09.2014   | 32.788,35                                                                              |
| 7800005140      | 31.08.2014   | 32.727,26                                                                              |
| 7800000777      | 28.02.2011   | 32.519,47                                                                              |
| 7800005969      | 31.10.2010   | 32.208,19                                                                              |
| 7800004657      | 31.07.2014   | 32.180,38                                                                              |
| 7800008422      | 31.12.2014   | 32.173,38                                                                              |
| 7800008422      | 31.12.2014   | -32.173,38                                                                             |
| 7800003754      | 30.06.2014   | 32.114,05                                                                              |
| 5000000252      | 03.03.2016   | -31.866,76                                                                             |
| 5000000321      | 31.03.2016   | 31.838,35                                                                              |
| 7800003029      | 31.05.2014   | 31.797,59                                                                              |
| 5000000243      | 11.03.2015   | -31.681,33                                                                             |
| 7800003913      | 30.06.2015   | 31.665,20                                                                              |
| 5000000243      | 11.03.2015   | 31.554,74                                                                              |
| 7800001229      | 28.02.2013   | 31.524,53                                                                              |
| 7800001229      | 28.02.2013   | -31.524,53                                                                             |
| 7800000133      | 31.01.2011   | 31.519,11                                                                              |
| 7800003467      | 31.05.2015   | 31.499,10                                                                              |
| 7800002458      | 30.04.2015   | 31.450,93                                                                              |
| 7800009295      | 31.12.2016   | 31.417,77                                                                              |
| 5000001757      | 14.11.2017   | -31.200,08                                                                             |
| 5000001722      | 01.11.2017   | -31.158,42                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001437      | 30.09.2017   | 31.095,00                                                                              |
| 7800005470      | 31.08.2015   | 31.050,11                                                                              |
| 7800005158      | 31.07.2015   | 30.998,88                                                                              |
| 5000001226      | 01.08.2017   | -30.977,32                                                                             |
| 5000000481      | 14.04.2016   | -30.928,85                                                                             |
| 7800002416      | 30.04.2014   | 30.880,77                                                                              |
| 5000000355      | 31.03.2015   | -30.836,82                                                                             |
| 7800007031      | 31.10.2015   | 30.802,81                                                                              |
| 7800000857      | 28.02.2010   | 30.761,25                                                                              |
| 7800008381      | 30.11.2016   | 30.695,36                                                                              |
| 7800006139      | 30.09.2015   | 30.435,30                                                                              |
| 7800001827      | 31.03.2015   | 30.067,27                                                                              |
| 5000001898      | 14.11.2017   | 29.913,02                                                                              |
| 7800000861      | 28.02.2015   | 29.863,41                                                                              |
| 5000001898      | 14.11.2017   | -29.851,59                                                                             |
| 5000001291      | 15.08.2017   | -29.772,41                                                                             |
| 7800000202      | 31.01.2015   | 29.578,62                                                                              |
| 7800005734      | 30.09.2012   | 29.136,93                                                                              |
| 7800008408      | 30.11.2015   | 29.097,88                                                                              |
| 5000000946      | 27.06.2017   | 29.070,00                                                                              |
| 5000001721      | 29.12.2015   | 29.048,23                                                                              |
| 5000001721      | 29.12.2015   | -28.840,04                                                                             |
| 7800008626      | 31.12.2015   | 28.794,41                                                                              |
| 7800001549      | 31.03.2014   | 28.764,79                                                                              |
| 5000000157      | 22.02.2016   | -28.596,65                                                                             |
| 5000000157      | 22.02.2016   | -28.516,90                                                                             |
| 7800005664      | 30.09.2010   | 28.375,17                                                                              |
| 5000000906      | 14.06.2017   | -28.136,72                                                                             |
| 5000000797      | 16.05.2017   | -28.101,82                                                                             |
| 5000000416      | 13.03.2012   | -27.727,49                                                                             |
| 5000000661      | 18.04.2017   | -27.366,39                                                                             |
| 5000001529      | 31.08.2011   | 27.267,08                                                                              |
| 5000001732      | 30.09.2011   | 27.267,08                                                                              |
| 5000002075      | 31.10.2011   | 27.267,08                                                                              |
| 5000002285      | 30.11.2011   | 27.267,08                                                                              |
| 5000000355      | 31.03.2015   | -27.161,24                                                                             |
| 5000000762      | 30.06.2015   | 27.081,22                                                                              |
| 5000000762      | 30.06.2015   | -26.950,44                                                                             |
| 5000000379      | 03.03.2016   | 26.756,94                                                                              |
| 7800001333      | 28.02.2014   | 26.269,68                                                                              |
| 5000000660      | 01.06.2015   | -25.878,63                                                                             |
| 5000001454      | 14.09.2017   | 25.831,63                                                                              |
| 5000000660      | 01.06.2015   | 25.702,64                                                                              |
| 5000001722      | 01.11.2017   | 25.582,95                                                                              |
| 5000000477      | 31.03.2017   | 25.425,19                                                                              |
| 5000000196      | 05.02.2015   | 25.217,49                                                                              |
| 7800010169      | 31.12.2017   | 25.138,38                                                                              |
| 7800010169      | 31.12.2017   | -25.138,38                                                                             |
| 7800009364      | 30.11.2017   | 25.071,25                                                                              |
| 7800008162      | 31.10.2017   | 24.984,72                                                                              |
| 7800006349      | 31.08.2017   | 24.813,23                                                                              |
| 7800006349      | 31.08.2017   | -24.813,23                                                                             |
| 7800007359      | 30.09.2017   | 24.507,77                                                                              |
| 7800007359      | 30.09.2017   | -24.507,77                                                                             |
| 5000000599      | 17.05.2016   | 24.460,40                                                                              |
| 5000000706      | 23.06.2016   | -24.460,40                                                                             |
| 5000000706      | 23.06.2016   | 24.460,38                                                                              |
| 5000000599      | 17.05.2016   | -24.433,88                                                                             |
| 5000001226      | 01.08.2017   | 24.338,80                                                                              |
| 5000000361      | 02.03.2017   | -24.067,93                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000692      | 14.06.2016   | -24.020,93                                                                             |
| 5000000692      | 14.06.2016   | 24.009,69                                                                              |
| 5000000361      | 02.03.2017   | 23.847,80                                                                              |
| 5000000896      | 14.07.2016   | -23.537,50                                                                             |
| 7800005440      | 31.07.2017   | 23.527,70                                                                              |
| 5000000885      | 21.07.2015   | 23.312,08                                                                              |
| 5000001234      | 14.10.2016   | -23.275,76                                                                             |
| 7800000124      | 31.01.2014   | 23.256,53                                                                              |
| 5000000885      | 21.07.2015   | -23.212,44                                                                             |
| 5000002361      | 31.12.2017   | 23.185,73                                                                              |
| 5000001653      | 14.12.2016   | -23.177,00                                                                             |
| 7800004553      | 30.06.2017   | 23.005,85                                                                              |
| 7800004553      | 30.06.2017   | -23.005,85                                                                             |
| 5000000797      | 16.05.2017   | 22.680,04                                                                              |
| 5000000338      | 31.03.2015   | -22.307,19                                                                             |
| 5000000493      | 06.03.2012   | 22.300,24                                                                              |
| 5000000493      | 06.03.2012   | -22.300,24                                                                             |
| 5000001086      | 30.09.2016   | -22.282,82                                                                             |
| 5000000338      | 31.03.2015   | 22.204,75                                                                              |
| 7800005143      | 31.08.2010   | 22.138,28                                                                              |
| 7800002740      | 30.04.2017   | 22.026,76                                                                              |
| 7800002740      | 30.04.2017   | -22.026,76                                                                             |
| 7800003663      | 31.05.2017   | 22.018,52                                                                              |
| 5000000685      | 14.06.2016   | -21.890,00                                                                             |
| 7800000958      | 28.02.2017   | 21.872,19                                                                              |
| 7800000958      | 28.02.2017   | -21.872,19                                                                             |
| 5000001149      | 14.09.2016   | -21.658,26                                                                             |
| 5000000264      | 15.03.2016   | -21.654,13                                                                             |
| 5000000583      | 17.05.2016   | -21.645,03                                                                             |
| 5000000502      | 19.04.2013   | -21.419,84                                                                             |
| 5000000661      | 18.04.2017   | 21.386,11                                                                              |
| 7800001980      | 31.03.2017   | 21.332,06                                                                              |
| 7800001980      | 31.03.2017   | -21.332,06                                                                             |
| 5000000118      | 16.01.2017   | -21.260,73                                                                             |
| 5000001391      | 15.11.2016   | -21.255,65                                                                             |
| 5000001007      | 16.08.2016   | -21.071,91                                                                             |
| 5000002123      | 31.12.2017   | 20.994,75                                                                              |
| 5000001437      | 25.11.2015   | 20.457,89                                                                              |
| 5000001921      | 31.12.2013   | 20.353,96                                                                              |
| 5000001437      | 25.11.2015   | -20.338,66                                                                             |
| 5000000128      | 08.02.2016   | 20.302,01                                                                              |
| 7800006816      | 30.09.2016   | 20.281,08                                                                              |
| 7800004096      | 30.06.2016   | 20.225,12                                                                              |
| 7800008381      | 30.11.2016   | 20.194,45                                                                              |
| 5000000128      | 08.02.2016   | -20.155,60                                                                             |
| 7800001594      | 31.03.2016   | 20.113,35                                                                              |
| 7800003517      | 31.05.2016   | 20.113,12                                                                              |
| 7800007440      | 31.10.2016   | 19.976,90                                                                              |
| 7800009295      | 31.12.2016   | 19.939,19                                                                              |
| 5000001816      | 30.11.2012   | 19.933,57                                                                              |
| 5000001816      | 30.11.2012   | -19.933,57                                                                             |
| 5000001149      | 14.09.2016   | 19.856,60                                                                              |
| 7800006461      | 31.08.2016   | 19.804,39                                                                              |
| 7800006461      | 31.08.2016   | -19.804,39                                                                             |
| 7800002402      | 30.04.2016   | 19.732,33                                                                              |
| 5000000810      | 16.05.2012   | 19.606,62                                                                              |
| 5000001884      | 30.09.2011   | 19.362,64                                                                              |
| 7800005497      | 31.07.2016   | 19.360,49                                                                              |
| 7800001462      | 29.02.2016   | 19.308,25                                                                              |
| 5000000203      | 28.02.2014   | -18.983,13                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800002458      | 30.04.2015   | 18.929,42                                                                              |
| 78000008626     | 31.12.2015   | 18.873,82                                                                              |
| 78000006139     | 30.09.2015   | 18.658,56                                                                              |
| 7800003467      | 31.05.2015   | 18.657,70                                                                              |
| 5000002172      | 14.12.2010   | 18.651,60                                                                              |
| 7800005158      | 31.07.2015   | 18.643,28                                                                              |
| 5000000240      | 10.03.2015   | -18.586,38                                                                             |
| 7800007031      | 31.10.2015   | 18.500,29                                                                              |
| 7800003913      | 30.06.2015   | 18.479,94                                                                              |
| 7800003831      | 30.06.2012   | 18.447,90                                                                              |
| 7800005470      | 31.08.2015   | 18.328,86                                                                              |
| 5000000361      | 02.03.2017   | -18.283,89                                                                             |
| 5000000361      | 02.03.2017   | 18.252,71                                                                              |
| 7800008408      | 30.11.2015   | 18.177,57                                                                              |
| 7800003754      | 30.06.2014   | 18.137,28                                                                              |
| 7800002716      | 30.04.2017   | -17.952,36                                                                             |
| 7800000133      | 31.01.2011   | 17.919,21                                                                              |
| 7800002963      | 31.05.2012   | 17.865,84                                                                              |
| 7800006663      | 31.10.2014   | 17.827,15                                                                              |
| 7800002262      | 30.04.2012   | 17.822,04                                                                              |
| 5000001639      | 26.10.2012   | 17.796,06                                                                              |
| 5000001639      | 26.10.2012   | -17.796,06                                                                             |
| 7800004657      | 31.07.2014   | 17.788,80                                                                              |
| 5000000098      | 14.01.2015   | 17.744,10                                                                              |
| 7800008422      | 31.12.2014   | 17.743,43                                                                              |
| 7800008422      | 31.12.2014   | -17.743,43                                                                             |
| 5000000592      | 28.05.2015   | -17.684,00                                                                             |
| 7800001827      | 31.03.2015   | 17.654,50                                                                              |
| 7800001555      | 31.03.2012   | 17.641,23                                                                              |
| 7800007421      | 30.11.2014   | 17.616,59                                                                              |
| 7800006921      | 30.11.2011   | 17.555,90                                                                              |
| 5000001815      | 31.12.2014   | 17.512,44                                                                              |
| 7800007370      | 31.12.2011   | 17.497,77                                                                              |
| 7800007278      | 31.12.2010   | 17.472,84                                                                              |
| 7800000861      | 28.02.2015   | 17.465,53                                                                              |
| 7800000138      | 31.01.2012   | 17.426,54                                                                              |
| 7800005913      | 30.09.2014   | 17.389,64                                                                              |
| 7800000845      | 29.02.2012   | 17.373,26                                                                              |
| 5000000486      | 14.04.2016   | -17.335,05                                                                             |
| 7800005140      | 31.08.2014   | 17.334,48                                                                              |
| 5000000486      | 14.04.2016   | 17.327,13                                                                              |
| 7800006204      | 31.10.2011   | 17.317,01                                                                              |
| 5000000124      | 05.02.2016   | -17.202,57                                                                             |
| 7800002416      | 30.04.2014   | 17.143,15                                                                              |
| 7800005662      | 30.09.2011   | 17.141,59                                                                              |
| 7800003386      | 30.06.2011   | 17.090,28                                                                              |
| 7800009364      | 30.11.2017   | 17.005,93                                                                              |
| 7800004681      | 31.08.2011   | 17.002,09                                                                              |
| 5000001398      | 17.11.2015   | -16.966,07                                                                             |
| 5000002112      | 14.12.2017   | -16.908,99                                                                             |
| 5000001029      | 30.06.2017   | -16.898,77                                                                             |
| 5000001042      | 31.08.2015   | -16.858,67                                                                             |
| 5000001757      | 14.11.2017   | -16.831,11                                                                             |
| 5000001310      | 18.10.2013   | -16.829,54                                                                             |
| 7800004091      | 31.07.2011   | 16.786,54                                                                              |
| 7800005734      | 30.09.2012   | 16.781,22                                                                              |
| 7800004386      | 31.07.2012   | 16.773,69                                                                              |
| 7800002599      | 30.04.2011   | 16.672,22                                                                              |
| 5000000926      | 26.06.2017   | 16.641,67                                                                              |
| 5000000931      | 26.06.2017   | -16.641,67                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000928      | 14.07.2016   | -16.633,16                                                                             |
| 5000000379      | 03.03.2016   | 16.616,91                                                                              |
| 5000000252      | 03.03.2016   | -16.580,81                                                                             |
| 5000000928      | 14.07.2016   | 16.543,35                                                                              |
| 7800002727      | 31.05.2011   | 16.463,87                                                                              |
| 5000001408      | 01.09.2017   | -16.435,26                                                                             |
| 5000001454      | 14.09.2017   | -16.433,37                                                                             |
| 5000001408      | 01.09.2017   | 16.412,97                                                                              |
| 5000000301      | 26.03.2013   | -16.344,10                                                                             |
| 5000001722      | 01.11.2017   | -16.290,91                                                                             |
| 7800001549      | 31.03.2014   | 16.178,95                                                                              |
| 7800003029      | 31.05.2014   | 16.144,87                                                                              |
| 5000001815      | 31.12.2014   | 16.134,80                                                                              |
| 7800004553      | 30.06.2017   | 16.112,99                                                                              |
| 7800004553      | 30.06.2017   | -16.112,99                                                                             |
| 7800006349      | 31.08.2017   | 16.079,92                                                                              |
| 7800006349      | 31.08.2017   | -16.079,92                                                                             |
| 5000000379      | 03.03.2016   | 16.033,45                                                                              |
| 7800001229      | 28.02.2013   | 15.919,93                                                                              |
| 7800001229      | 28.02.2013   | -15.919,93                                                                             |
| 5000001861      | 31.12.2015   | 15.852,10                                                                              |
| 5000001629      | 31.12.2014   | 15.814,53                                                                              |
| 5000000702      | 25.06.2015   | -15.789,08                                                                             |
| 5000001226      | 01.08.2017   | -15.766,39                                                                             |
| 5000001291      | 15.08.2017   | -15.729,36                                                                             |
| 5000000252      | 03.03.2016   | -15.729,17                                                                             |
| 7800000777      | 28.02.2011   | 15.618,96                                                                              |
| 7800001562      | 31.03.2011   | 15.604,81                                                                              |
| 7800000133      | 31.01.2011   | 15.590,78                                                                              |
| 5000001436      | 25.11.2015   | -15.560,76                                                                             |
| 5000000875      | 21.07.2015   | -15.480,77                                                                             |
| 5000001142      | 29.09.2015   | -15.446,69                                                                             |
| 5000001713      | 29.12.2015   | -15.421,78                                                                             |
| 7800003831      | 30.06.2012   | 15.266,15                                                                              |
| 7800008381      | 30.11.2016   | 15.260,49                                                                              |
| 5000000906      | 14.06.2017   | -15.202,83                                                                             |
| 5000000221      | 14.02.2017   | -15.155,77                                                                             |
| 7800000958      | 28.02.2017   | 15.155,37                                                                              |
| 7800000958      | 28.02.2017   | -15.155,37                                                                             |
| 7800002963      | 31.05.2012   | 15.110,63                                                                              |
| 5000001757      | 14.11.2017   | -15.087,34                                                                             |
| 5000000596      | 28.05.2015   | -15.057,91                                                                             |
| 7800001333      | 28.02.2014   | 15.055,11                                                                              |
| 5000000271      | 15.03.2016   | 15.046,32                                                                              |
| 5000000271      | 15.03.2016   | -15.022,63                                                                             |
| 5000001776      | 23.11.2012   | 14.979,44                                                                              |
| 5000000128      | 08.02.2016   | -14.937,59                                                                             |
| 5000000797      | 16.05.2017   | -14.899,02                                                                             |
| 5000000128      | 08.02.2016   | 14.879,11                                                                              |
| 7800006921      | 30.11.2011   | 14.863,94                                                                              |
| 5000000896      | 14.07.2016   | -14.843,80                                                                             |
| 5000001245      | 14.10.2016   | 14.777,52                                                                              |
| 5000001245      | 14.10.2016   | -14.758,38                                                                             |
| 5000002112      | 14.12.2017   | -14.722,81                                                                             |
| 5000001722      | 01.11.2017   | -14.712,93                                                                             |
| 7800002262      | 30.04.2012   | 14.663,22                                                                              |
| 5000000679      | 18.04.2017   | -14.649,55                                                                             |
| 5000000679      | 18.04.2017   | 14.637,66                                                                              |
| 5000001454      | 14.09.2017   | -14.589,47                                                                             |
| 7800006816      | 30.09.2016   | 14.538,75                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000661      | 18.04.2017   | -14.488,33                                                                             |
| 7800004096      | 30.06.2016   | 14.482,72                                                                              |
| 5000001007      | 16.08.2016   | -14.473,26                                                                             |
| 7800000845      | 29.02.2012   | 14.369,82                                                                              |
| 7800001555      | 31.03.2012   | 14.330,34                                                                              |
| 7800004386      | 31.07.2012   | 14.318,20                                                                              |
| 7800007370      | 31.12.2011   | 14.254,65                                                                              |
| 5000000240      | 10.03.2015   | -14.169,04                                                                             |
| 7800000138      | 31.01.2012   | 14.034,01                                                                              |
| 5000001291      | 15.08.2017   | -13.991,07                                                                             |
| 7800010169      | 31.12.2017   | 13.985,22                                                                              |
| 7800008162      | 31.10.2017   | -13.985,22                                                                             |
| 5000000252      | 03.03.2016   | -13.905,76                                                                             |
| 7800005969      | 31.10.2010   | 13.852,85                                                                              |
| 7800005087      | 31.08.2012   | 13.786,85                                                                              |
| 7800006204      | 31.10.2011   | 13.775,71                                                                              |
| 7800005662      | 30.09.2011   | 13.755,23                                                                              |
| 7800010169      | 31.12.2017   | 13.654,17                                                                              |
| 7800010169      | 31.12.2017   | -13.654,17                                                                             |
| 5000001149      | 14.09.2016   | -13.607,01                                                                             |
| 7800008162      | 31.10.2017   | 13.601,58                                                                              |
| 5000001653      | 14.12.2016   | -13.591,44                                                                             |
| 7800001594      | 31.03.2016   | 13.578,09                                                                              |
| 5000001391      | 15.11.2016   | -13.536,25                                                                             |
| 7800003386      | 30.06.2011   | 13.521,11                                                                              |
| 5000001909      | 31.12.2013   | 13.475,46                                                                              |
| 5000000118      | 16.01.2017   | -13.418,35                                                                             |
| 7800004681      | 31.08.2011   | 13.338,37                                                                              |
| 5000000583      | 17.05.2016   | -13.315,53                                                                             |
| 7800007359      | 30.09.2017   | 13.281,89                                                                              |
| 7800007359      | 30.09.2017   | -13.281,89                                                                             |
| 5000000685      | 14.06.2016   | -13.271,98                                                                             |
| 7800005087      | 31.08.2012   | 13.188,62                                                                              |
| 5000002926      | 31.12.2011   | -13.172,13                                                                             |
| 7800004091      | 31.07.2011   | 13.143,85                                                                              |
| 5000001226      | 01.08.2017   | -13.138,55                                                                             |
| 5000001234      | 14.10.2016   | -13.108,51                                                                             |
| 7800005440      | 31.07.2017   | 13.065,31                                                                              |
| 5000001861      | 31.12.2015   | 13.042,04                                                                              |
| 5000001899      | 31.12.2016   | 13.008,53                                                                              |
| 5000000797      | 16.05.2017   | -12.970,75                                                                             |
| 5000000906      | 14.06.2017   | -12.900,04                                                                             |
| 7800002599      | 30.04.2011   | 12.889,13                                                                              |
| 5000000702      | 25.06.2015   | -12.857,90                                                                             |
| 5000000124      | 05.02.2016   | -12.845,37                                                                             |
| 5000000592      | 28.05.2015   | -12.839,09                                                                             |
| 5000001436      | 25.11.2015   | -12.809,44                                                                             |
| 7800002727      | 31.05.2011   | 12.801,42                                                                              |
| 7800008626      | 31.12.2015   | 12.793,63                                                                              |
| 5000000118      | 16.01.2017   | -12.787,75                                                                             |
| 5000000875      | 21.07.2015   | -12.772,13                                                                             |
| 7800003663      | 31.05.2017   | 12.768,30                                                                              |
| 5000001398      | 17.11.2015   | -12.743,07                                                                             |
| 5000001142      | 29.09.2015   | -12.721,50                                                                             |
| 5000001042      | 31.08.2015   | -12.705,34                                                                             |
| 5000000350      | 10.03.2015   | -12.704,82                                                                             |
| 5000000685      | 14.06.2016   | -12.697,64                                                                             |
| 5000001007      | 16.08.2016   | -12.651,23                                                                             |
| 5000001391      | 15.11.2016   | -12.614,39                                                                             |
| 7800002740      | 30.04.2017   | 12.604,36                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800002740      | 30.04.2017   | -12.604,36                                                                             |
| 5000001713      | 29.12.2015   | -12.592,94                                                                             |
| 5000001149      | 14.09.2016   | -12.575,60                                                                             |
| 5000000661      | 18.04.2017   | -12.546,51                                                                             |
| 5000001234      | 14.10.2016   | -12.546,31                                                                             |
| 5000001653      | 14.12.2016   | -12.535,14                                                                             |
| 5000000896      | 14.07.2016   | -12.526,37                                                                             |
| 5000000264      | 15.03.2016   | -12.497,55                                                                             |
| 5000001415      | 23.11.2015   | -12.492,60                                                                             |
| 5000001415      | 23.11.2015   | 12.456,41                                                                              |
| 7800009295      | 31.12.2016   | 12.428,91                                                                              |
| 7800007278      | 31.12.2010   | 12.388,93                                                                              |
| 7800007579      | 30.11.2012   | 12.364,17                                                                              |
| 5000000583      | 17.05.2016   | -12.324,52                                                                             |
| 7800005664      | 30.09.2010   | 12.279,80                                                                              |
| 5000001436      | 25.11.2015   | -12.246,29                                                                             |
| 7800001980      | 31.03.2017   | 12.244,64                                                                              |
| 7800001980      | 31.03.2017   | -12.244,64                                                                             |
| 5000000596      | 28.05.2015   | -12.198,65                                                                             |
| 5000000332      | 10.03.2015   | 12.147,75                                                                              |
| 7800000096      | 31.01.2017   | 12.073,70                                                                              |
| 7800000096      | 31.01.2017   | -12.073,70                                                                             |
| 5000000264      | 15.03.2016   | -12.066,88                                                                             |
| 5000000196      | 05.02.2015   | 12.058,64                                                                              |
| 5000000379      | 03.03.2016   | 12.031,02                                                                              |
| 7800000777      | 28.02.2011   | 12.022,27                                                                              |
| 5000000075      | 31.01.2013   | -12.013,48                                                                             |
| 5000000157      | 22.02.2016   | -12.005,28                                                                             |
| 5000000350      | 10.03.2015   | 12.000,59                                                                              |
| 7800006412      | 31.10.2012   | 11.962,71                                                                              |
| 5000001766      | 13.11.2012   | 11.962,71                                                                              |
| 5000001969      | 01.12.2012   | -11.962,71                                                                             |
| 7800001562      | 31.03.2011   | 11.917,98                                                                              |
| 5000001713      | 29.12.2015   | -11.888,76                                                                             |
| 7800005734      | 30.09.2012   | 11.873,26                                                                              |
| 5000001398      | 17.11.2015   | -11.798,29                                                                             |
| 5000001142      | 29.09.2015   | -11.686,73                                                                             |
| 5000000875      | 21.07.2015   | -11.678,66                                                                             |
| 5000000702      | 25.06.2015   | -11.653,55                                                                             |
| 5000000809      | 16.05.2017   | 11.653,09                                                                              |
| 5000000809      | 16.05.2017   | -11.650,79                                                                             |
| 7800006461      | 31.08.2016   | 11.626,87                                                                              |
| 7800006461      | 31.08.2016   | -11.626,87                                                                             |
| 5000001001      | 30.06.2017   | -11.604,54                                                                             |
| 5000000776      | 19.06.2013   | -11.590,95                                                                             |
| 7800007440      | 31.10.2016   | 11.585,04                                                                              |
| 5000000124      | 05.02.2016   | -11.582,24                                                                             |
| 5000000776      | 19.06.2013   | 11.574,78                                                                              |
| 5000000763      | 30.06.2016   | -11.564,76                                                                             |
| 5000001042      | 31.08.2015   | -11.558,39                                                                             |
| 5000000741      | 30.04.2012   | 11.440,73                                                                              |
| 5000000799      | 31.05.2012   | 11.440,73                                                                              |
| 5000000963      | 30.06.2012   | 11.440,73                                                                              |
| 5000001173      | 31.07.2012   | 11.440,73                                                                              |
| 5000001308      | 31.08.2012   | 11.440,73                                                                              |
| 5000001418      | 30.09.2012   | 11.440,73                                                                              |
| 5000001629      | 31.10.2012   | 11.440,73                                                                              |
| 5000001785      | 30.11.2012   | 11.440,73                                                                              |
| 5000001979      | 31.12.2012   | 11.440,73                                                                              |
| 5000001620      | 13.10.2012   | -11.436,85                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800006139      | 30.09.2015   | 11.386,25                                                                              |
| 5000000592      | 28.05.2015   | -11.383,04                                                                             |
| 5000001008      | 16.08.2016   | -11.372,49                                                                             |
| 7800005497      | 31.07.2016   | 11.297,44                                                                              |
| 5000001008      | 16.08.2016   | 11.288,45                                                                              |
| 7800003517      | 31.05.2016   | 11.216,92                                                                              |
| 7800002402      | 30.04.2016   | 11.194,39                                                                              |
| 5000002372      | 31.12.2017   | 11.056,00                                                                              |
| 7800005158      | 31.07.2015   | 11.044,23                                                                              |
| 5000000466      | 14.03.2017   | -11.037,41                                                                             |
| 5000000928      | 14.07.2016   | -11.022,92                                                                             |
| 5000000928      | 14.07.2016   | 10.992,16                                                                              |
| 5000002034      | 31.12.2012   | 10.916,37                                                                              |
| 5000002034      | 31.12.2012   | -10.916,37                                                                             |
| 5000001226      | 01.08.2017   | -10.914,30                                                                             |
| 7800006412      | 31.10.2012   | 10.722,65                                                                              |
| 7800007579      | 30.11.2012   | 10.662,34                                                                              |
| 7800001462      | 29.02.2016   | 10.629,26                                                                              |
| 5000000240      | 10.03.2015   | -10.618,86                                                                             |
| 5000000596      | 28.05.2015   | -10.552,66                                                                             |
| 5000001925      | 31.12.2013   | 10.437,76                                                                              |
| 5000001925      | 31.12.2013   | -10.437,76                                                                             |
| 7800007788      | 31.12.2012   | 10.411,85                                                                              |
| 7800005143      | 31.08.2010   | 10.392,87                                                                              |
| 7800002458      | 30.04.2015   | 10.382,13                                                                              |
| 7800000083      | 31.01.2016   | 10.221,53                                                                              |
| 5000002507      | 31.12.2017   | 10.075,90                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## III. Provisions for cost of sales

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9501048680      | 01.08.2002   | 268.946,97                                                                             |
| 5000001197      | 31.07.2017   | 196.722,00                                                                             |
| 5000001315      | 31.08.2017   | -150.691,85                                                                            |
| 5000000319      | 31.03.2005   | 137.253,75                                                                             |
| 5000001197      | 31.07.2017   | 123.622,29                                                                             |
| 5000001865      | 30.11.2017   | 114.043,37                                                                             |
| 5000002308      | 31.12.2017   | -106.689,64                                                                            |
| 5000001315      | 31.08.2017   | -106.344,00                                                                            |
| 5000002308      | 31.12.2017   | 91.881,54                                                                              |
| 5000002308      | 31.12.2017   | -84.851,78                                                                             |
| 5000001315      | 31.08.2017   | 75.527,66                                                                              |
| 5000001865      | 30.11.2017   | 75.081,44                                                                              |
| 5000001315      | 31.08.2017   | 73.289,00                                                                              |
| 5000001865      | 30.11.2017   | -60.149,48                                                                             |
| 9500837512      | 02.05.2002   | -57.645,44                                                                             |
| 9509183770      | 09.12.2010   | -55.876,79                                                                             |
| 5000001487      | 30.09.2017   | -54.489,78                                                                             |
| 5000001630      | 31.10.2017   | -50.983,19                                                                             |
| 9500087155      | 01.08.2002   | -46.740,08                                                                             |
| 5000001315      | 31.08.2017   | -46.030,00                                                                             |
| 5000001487      | 30.09.2017   | -45.507,42                                                                             |
| 5000001630      | 31.10.2017   | -45.030,37                                                                             |
| 5000001487      | 30.09.2017   | 42.696,67                                                                              |
| 5000001630      | 31.10.2017   | 41.764,35                                                                              |
| 5000001865      | 30.11.2017   | -41.764,35                                                                             |
| 9507257191      | 15.01.2009   | -41.621,93                                                                             |
| 9506737064      | 10.07.2008   | -41.177,52                                                                             |
| 5000001150      | 30.09.2005   | -40.874,94                                                                             |
| 2300005265      | 23.11.2011   | -38.905,71                                                                             |
| 5000001630      | 31.10.2017   | 36.330,71                                                                              |
| 9500975128      | 02.07.2002   | -36.144,34                                                                             |
| 5000001186      | 30.11.2006   | -34.544,14                                                                             |
| 9508260207      | 20.01.2010   | -33.213,88                                                                             |
| 9512016028      | 13.11.2013   | -32.710,16                                                                             |
| 5000001487      | 30.09.2017   | 32.184,40                                                                              |
| 5000001197      | 31.07.2017   | 32.145,06                                                                              |
| 5000001315      | 31.08.2017   | -32.145,00                                                                             |
| 5000001197      | 31.07.2017   | 31.589,06                                                                              |
| 5000001782      | 27.09.2011   | -31.348,60                                                                             |
| 9505167390      | 22.01.2007   | -31.160,18                                                                             |
| 9513835414      | 09.12.2015   | -30.863,32                                                                             |
| 9501155825      | 19.09.2002   | -30.849,05                                                                             |
| 9500392151      | 01.08.2002   | -30.240,60                                                                             |
| 9511846671      | 10.09.2013   | -30.041,08                                                                             |
| 5000001315      | 31.08.2017   | -29.862,00                                                                             |
| 9501051788      | 02.08.2002   | -29.453,07                                                                             |
| 9509381670      | 28.02.2011   | -29.153,89                                                                             |
| 5000001487      | 30.09.2017   | -28.939,26                                                                             |
| 5000001315      | 31.08.2017   | 28.939,00                                                                              |
| 9501420088      | 21.01.2003   | -28.559,70                                                                             |
| 9506675053      | 20.06.2008   | 28.213,47                                                                              |
| 9500812637      | 02.04.2002   | -27.949,72                                                                             |
| 9512161510      | 15.01.2014   | -27.560,16                                                                             |
| 9511709924      | 17.07.2013   | -27.320,29                                                                             |
| 5000001865      | 30.11.2017   | 26.887,55                                                                              |
| 5000001487      | 30.09.2017   | 26.764,16                                                                              |
| 9511630020      | 20.06.2013   | -26.422,87                                                                             |
| 9500145771      | 01.08.2002   | -26.011,43                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001630      | 31.10.2017   | -25.793,94                                                                             |
| 9500780399      | 09.04.2002   | 25.406,95                                                                              |
| 9508595559      | 19.05.2010   | -25.140,43                                                                             |
| 9504122332      | 02.01.2006   | -25.114,13                                                                             |
| 9511371839      | 15.03.2013   | -24.443,06                                                                             |
| 9514907737      | 19.04.2017   | -23.315,38                                                                             |
| 9500687365      | 27.02.2002   | -23.065,59                                                                             |
| 9511943573      | 16.10.2013   | -22.018,26                                                                             |
| 9500896426      | 29.05.2002   | -21.949,50                                                                             |
| 9501029307      | 24.07.2002   | -21.898,27                                                                             |
| 5000002308      | 31.12.2017   | 21.695,18                                                                              |
| 5000001630      | 31.10.2017   | 21.581,52                                                                              |
| 5200017070      | 30.06.2015   | 21.243,47                                                                              |
| 9500740653      | 20.03.2002   | 20.998,58                                                                              |
| 9501649563      | 23.04.2003   | -20.556,87                                                                             |
| 5000002308      | 31.12.2017   | -20.450,52                                                                             |
| 9501839886      | 09.07.2003   | -19.823,06                                                                             |
| 9500797688      | 16.04.2002   | 19.383,30                                                                              |
| 9500131433      | 01.08.2002   | -19.127,72                                                                             |
| 5000001865      | 30.11.2017   | 19.073,13                                                                              |
| 9501830527      | 07.07.2003   | 18.874,94                                                                              |
| 9511796167      | 21.08.2013   | -18.711,16                                                                             |
| 9502310164      | 30.01.2004   | -17.948,33                                                                             |
| 9507643497      | 02.06.2009   | 17.894,22                                                                              |
| 9507663521      | 09.06.2009   | -17.845,29                                                                             |
| 9501950852      | 27.08.2003   | 17.842,39                                                                              |
| 9512095721      | 11.12.2013   | -17.591,72                                                                             |
| 5000001865      | 30.11.2017   | -17.531,48                                                                             |
| 9501830444      | 07.07.2003   | 17.481,87                                                                              |
| 9511528399      | 15.05.2013   | -17.340,86                                                                             |
| 5000001315      | 31.08.2017   | -17.278,00                                                                             |
| 9508340050      | 16.02.2010   | -17.000,47                                                                             |
| 5000002308      | 31.12.2017   | 16.766,46                                                                              |
| 9509511591      | 11.04.2011   | -16.300,95                                                                             |
| 9500625795      | 31.01.2002   | 16.138,04                                                                              |
| 5000002308      | 31.12.2017   | -15.777,31                                                                             |
| 9500625481      | 17.01.2002   | -15.693,94                                                                             |
| 5000002308      | 31.12.2017   | -15.566,59                                                                             |
| 9513835414      | 09.12.2015   | -15.555,11                                                                             |
| 5000001315      | 31.08.2017   | 15.521,00                                                                              |
| 5000001865      | 30.11.2017   | 15.399,10                                                                              |
| 9505153745      | 01.01.2007   | -14.903,19                                                                             |
| 5000002308      | 31.12.2017   | -14.743,36                                                                             |
| 9501480788      | 05.02.2003   | -14.333,78                                                                             |
| 9511503858      | 06.05.2013   | 14.269,66                                                                              |
| 9511597100      | 11.06.2013   | -14.269,66                                                                             |
| 9501987102      | 11.09.2003   | -14.224,85                                                                             |
| 5000002308      | 31.12.2017   | -14.169,68                                                                             |
| 5000002308      | 31.12.2017   | 14.037,85                                                                              |
| 9503186363      | 19.01.2005   | -13.974,60                                                                             |
| 9510008380      | 12.10.2011   | -13.846,62                                                                             |
| 9500975148      | 02.07.2002   | -13.799,03                                                                             |
| 5000001487      | 30.09.2017   | -13.797,12                                                                             |
| 5000001315      | 31.08.2017   | 13.797,00                                                                              |
| 9501437863      | 22.01.2003   | -13.701,73                                                                             |
| 9504118457      | 29.12.2005   | -13.636,81                                                                             |
| 9502486288      | 07.04.2004   | -13.599,14                                                                             |
| 9503437604      | 19.04.2005   | 13.562,06                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9507588458      | 11.05.2009   | -13.543,63                                                                             |
| 9503207524      | 25.01.2005   | -13.542,45                                                                             |
| 9503445962      | 20.04.2005   | -13.453,71                                                                             |
| 9515316218      | 12.10.2017   | 13.320,41                                                                              |
| 9508157232      | 08.12.2009   | 13.317,49                                                                              |
| 9502041086      | 06.10.2003   | -13.314,81                                                                             |
| 2300005265      | 23.11.2011   | -13.199,72                                                                             |
| 9505907374      | 08.10.2007   | -13.116,24                                                                             |
| 9509603607      | 12.05.2011   | -12.907,88                                                                             |
| 9501480787      | 05.02.2003   | -12.876,17                                                                             |
| 5000001487      | 30.09.2017   | 12.770,26                                                                              |
| 5000001630      | 31.10.2017   | -12.770,26                                                                             |
| 9505382180      | 04.04.2007   | -12.723,18                                                                             |
| 5000002308      | 31.12.2017   | 12.605,41                                                                              |
| 9505632793      | 04.07.2007   | -12.558,59                                                                             |
| 9508438927      | 23.03.2010   | -12.510,06                                                                             |
| 9502041783      | 06.10.2003   | -12.479,45                                                                             |
| 5000001315      | 31.08.2017   | 12.237,00                                                                              |
| 9507635501      | 28.05.2009   | -12.196,91                                                                             |
| 9503808093      | 06.09.2005   | -12.190,08                                                                             |
| 9500975234      | 02.07.2002   | -12.059,24                                                                             |
| 5000001487      | 30.09.2017   | 12.014,09                                                                              |
| 5000001487      | 30.09.2017   | -11.876,12                                                                             |
| 5000001630      | 31.10.2017   | 11.582,09                                                                              |
| 5000001865      | 30.11.2017   | -11.582,09                                                                             |
| 9501687006      | 07.05.2003   | -11.428,38                                                                             |
| 9511449627      | 16.04.2013   | -11.384,45                                                                             |
| 9508311282      | 08.02.2010   | 11.324,16                                                                              |
| 9506085982      | 04.12.2007   | -10.996,38                                                                             |
| 9509759919      | 11.07.2011   | 10.813,87                                                                              |
| 9509768428      | 13.07.2011   | -10.813,87                                                                             |
| 9508511020      | 19.04.2010   | 10.756,56                                                                              |
| 9500719908      | 12.03.2002   | -10.756,29                                                                             |
| 9508514917      | 20.04.2010   | 10.740,93                                                                              |
| 9508520136      | 21.04.2010   | -10.740,93                                                                             |
| 9506499361      | 22.04.2008   | -10.730,66                                                                             |
| 9504387228      | 05.04.2006   | -10.649,63                                                                             |
| 5000002308      | 31.12.2017   | 10.414,30                                                                              |
| 5000001487      | 30.09.2017   | -10.411,51                                                                             |
| 9503751569      | 12.08.2005   | -10.401,82                                                                             |
| 9504079864      | 09.12.2005   | -10.377,60                                                                             |
| 9508336497      | 16.02.2010   | 10.339,20                                                                              |
| 9505890919      | 02.10.2007   | -10.291,37                                                                             |
| 5000001630      | 31.10.2017   | 10.269,56                                                                              |
| 5000001865      | 30.11.2017   | -10.269,56                                                                             |
| 9508165654      | 10.12.2009   | -10.208,25                                                                             |
| 9502271637      | 16.01.2004   | -10.182,50                                                                             |
| 9501480785      | 06.02.2003   | -10.143,15                                                                             |
| 9507635505      | 28.05.2009   | -10.106,81                                                                             |
| 9502350480      | 16.02.2004   | 10.101,82                                                                              |
| 9503789807      | 30.08.2005   | 10.088,65                                                                              |
| 9503865104      | 19.09.2005   | -10.073,78                                                                             |
| 9508063117      | 05.11.2009   | -10.056,57                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## IV. Provisions for outstanding invoices

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200015877      | 30.09.2011   | 5.240.163,74                                                                           |
| 5200015907      | 01.10.2011   | -5.240.163,74                                                                          |
| 5200040334      | 30.11.2017   | 5.231.575,48                                                                           |
| 5200040884      | 01.12.2017   | -5.231.575,48                                                                          |
| 5200001807      | 29.02.2008   | 5.150.919,90                                                                           |
| 5200001827      | 01.03.2008   | -5.150.919,90                                                                          |
| 5200042645      | 31.12.2017   | 4.874.691,94                                                                           |
| 5200012637      | 31.07.2011   | 4.757.787,37                                                                           |
| 5200012667      | 01.08.2011   | -4.757.787,37                                                                          |
| 5200004036      | 31.05.2008   | 4.609.731,97                                                                           |
| 5200004057      | 01.06.2008   | -4.609.731,97                                                                          |
| 5200007809      | 30.11.2007   | 4.607.082,73                                                                           |
| 5200007830      | 01.12.2007   | -4.607.082,73                                                                          |
| 5200032049      | 30.09.2017   | 4.570.106,84                                                                           |
| 5200032607      | 01.10.2017   | -4.570.106,84                                                                          |
| 5200004758      | 30.06.2008   | 4.559.370,58                                                                           |
| 5200004778      | 01.07.2008   | -4.559.370,58                                                                          |
| 5200021597      | 30.06.2017   | 4.494.819,30                                                                           |
| 5200022155      | 01.07.2017   | -4.494.819,30                                                                          |
| 5200035726      | 31.10.2017   | 4.416.876,12                                                                           |
| 5200036282      | 01.11.2017   | -4.416.876,12                                                                          |
| 5200001152      | 31.01.2009   | 4.409.411,71                                                                           |
| 5200001174      | 01.02.2009   | -4.409.411,71                                                                          |
| 5200007707      | 31.10.2008   | 4.397.661,82                                                                           |
| 5200007729      | 01.11.2008   | -4.397.661,82                                                                          |
| 5200011819      | 30.04.2015   | 4.343.396,21                                                                           |
| 5200012233      | 01.05.2015   | -4.343.396,21                                                                          |
| 5200003131      | 30.06.2001   | 4.260.734,06                                                                           |
| 5200003168      | 01.07.2001   | -4.260.734,06                                                                          |
| 5200028362      | 31.08.2017   | 4.154.149,56                                                                           |
| 5200028924      | 01.09.2017   | -4.154.149,56                                                                          |
| 5200002552      | 31.03.2008   | 4.127.296,15                                                                           |
| 5200002572      | 01.04.2008   | -4.127.296,15                                                                          |
| 5200003296      | 30.04.2008   | 4.113.249,59                                                                           |
| 5200003316      | 01.05.2008   | -4.113.249,59                                                                          |
| 5200006441      | 30.09.2007   | 4.090.961,57                                                                           |
| 5200006460      | 01.10.2007   | -4.090.961,57                                                                          |
| 5200008092      | 31.12.2007   | 4.080.776,36                                                                           |
| 5200000375      | 01.01.2008   | -4.080.776,36                                                                          |
| 5200020370      | 31.07.2016   | 3.940.755,42                                                                           |
| 5200020840      | 01.08.2016   | -3.940.755,42                                                                          |
| 5200001083      | 31.01.2008   | 3.901.516,27                                                                           |
| 5200001101      | 01.02.2008   | -3.901.516,27                                                                          |
| 5200001664      | 28.02.2006   | 3.883.750,12                                                                           |
| 5200001686      | 01.03.2006   | -3.883.750,12                                                                          |
| 5200004031      | 31.05.2009   | 3.864.134,75                                                                           |
| 5200004050      | 01.06.2009   | -3.864.134,75                                                                          |
| 5200011019      | 30.06.2011   | 3.811.875,81                                                                           |
| 5200011046      | 01.07.2011   | -3.811.875,81                                                                          |
| 5200006263      | 31.08.2008   | 3.804.079,28                                                                           |
| 5200006286      | 01.09.2008   | -3.804.079,28                                                                          |
| 5200005722      | 31.08.2007   | 3.800.309,16                                                                           |
| 5200005744      | 01.09.2007   | -3.800.309,16                                                                          |
| 5200004119      | 31.03.2011   | 3.779.638,16                                                                           |
| 5200004146      | 01.04.2011   | -3.779.638,16                                                                          |
| 5200007127      | 31.10.2007   | 3.755.431,80                                                                           |
| 5200007147      | 01.11.2007   | -3.755.431,80                                                                          |
| 5200017882      | 31.05.2017   | 3.689.155,56                                                                           |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200018443      | 01.06.2017   | -3.689.155,56                                                                          |
| 5200024616      | 31.07.2017   | 3.688.102,78                                                                           |
| 5200025167      | 01.08.2017   | -3.688.102,78                                                                          |
| 5200021382      | 30.06.2017   | 3.666.447,93                                                                           |
| 5200021940      | 01.07.2017   | -3.666.447,93                                                                          |
| 5200005544      | 31.07.2008   | 3.665.870,34                                                                           |
| 5200005568      | 01.08.2008   | -3.665.870,34                                                                          |
| 5200009448      | 31.05.2011   | 3.599.457,61                                                                           |
| 5200009478      | 01.06.2011   | -3.599.457,61                                                                          |
| 5200007733      | 30.11.2010   | 3.588.586,30                                                                           |
| 5200007761      | 01.12.2010   | -3.588.586,30                                                                          |
| 5200008455      | 30.11.2008   | 3.567.326,88                                                                           |
| 5200008481      | 01.12.2008   | -3.567.326,88                                                                          |
| 5200000003      | 30.04.2001   | 3.474.047,22                                                                           |
| 5200000030      | 01.05.2001   | -3.474.047,22                                                                          |
| 5200003002      | 30.04.2006   | 3.439.715,70                                                                           |
| 5200003025      | 01.05.2006   | -3.439.715,70                                                                          |
| 5200014236      | 31.08.2011   | 3.409.612,35                                                                           |
| 5200014265      | 01.09.2011   | -3.409.612,35                                                                          |
| 5200002298      | 31.03.2007   | 3.386.827,49                                                                           |
| 5200002322      | 01.04.2007   | -3.386.827,49                                                                          |
| 5200007079      | 31.10.2010   | 3.350.958,86                                                                           |
| 5200007108      | 01.11.2010   | -3.350.958,86                                                                          |
| 5200004375      | 30.06.2007   | 3.345.782,84                                                                           |
| 5200004394      | 01.07.2007   | -3.345.782,84                                                                          |
| 5200003549      | 31.05.2006   | 3.342.620,35                                                                           |
| 5200003570      | 01.06.2006   | -3.342.620,35                                                                          |
| 5200003006      | 30.04.2007   | 3.334.634,85                                                                           |
| 5200003029      | 01.05.2007   | -3.334.634,85                                                                          |
| 5200006382      | 30.09.2010   | 3.289.282,85                                                                           |
| 5200006408      | 01.10.2010   | -3.289.282,85                                                                          |
| 5200005086      | 31.07.2007   | 3.270.491,03                                                                           |
| 5200005109      | 01.08.2007   | -3.270.491,03                                                                          |
| 5200007532      | 30.11.2006   | 3.254.024,47                                                                           |
| 5200007550      | 01.12.2006   | -3.254.024,47                                                                          |
| 5200002327      | 31.03.2006   | 3.238.583,86                                                                           |
| 5200002347      | 01.04.2006   | -3.238.583,86                                                                          |
| 5200003334      | 30.04.2009   | 3.201.699,88                                                                           |
| 5200003354      | 01.05.2009   | -3.201.699,88                                                                          |
| 5200006967      | 30.09.2008   | 3.184.580,41                                                                           |
| 5200006993      | 01.10.2008   | -3.184.580,41                                                                          |
| 5200003985      | 31.05.2005   | 3.167.028,89                                                                           |
| 5200004005      | 01.06.2005   | -3.167.028,89                                                                          |
| 5200000985      | 31.01.2007   | 3.153.669,39                                                                           |
| 5200001005      | 01.02.2007   | -3.153.669,39                                                                          |
| 5200006247      | 30.09.2006   | 3.153.534,60                                                                           |
| 5200006263      | 01.10.2006   | -3.153.534,60                                                                          |
| 5200007796      | 31.12.2006   | 3.123.853,38                                                                           |
| 5200000374      | 01.01.2007   | -3.123.853,38                                                                          |
| 5200007978      | 31.12.2010   | 3.100.319,90                                                                           |
| 5200000382      | 01.01.2011   | -3.100.319,90                                                                          |
| 5200001858      | 28.02.2009   | 3.054.809,34                                                                           |
| 5200001877      | 01.03.2009   | -3.054.809,34                                                                          |
| 5200003693      | 31.05.2007   | 3.051.728,64                                                                           |
| 5200003713      | 01.06.2007   | -3.051.728,64                                                                          |
| 5200004999      | 31.07.2006   | 3.026.298,09                                                                           |
| 5200005019      | 01.08.2006   | -3.026.298,09                                                                          |
| 5200000821      | 31.01.2006   | 2.997.643,78                                                                           |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000842      | 01.02.2006   | -2.997.643,78                                                                          |
| 5200005738      | 31.08.2010   | 2.991.652,21                                                                           |
| 5200005762      | 01.09.2010   | -2.991.652,21                                                                          |
| 5200005896      | 30.04.2011   | 2.956.791,21                                                                           |
| 5200005927      | 01.05.2011   | -2.956.791,21                                                                          |
| 5200017539      | 31.10.2011   | 2.912.749,29                                                                           |
| 5200017565      | 01.11.2011   | -2.912.749,29                                                                          |
| 5200004310      | 30.06.2006   | 2.893.795,58                                                                           |
| 5200004328      | 01.07.2006   | -2.893.795,58                                                                          |
| 5200005118      | 31.07.2010   | 2.858.431,25                                                                           |
| 5200005141      | 01.08.2010   | -2.858.431,25                                                                          |
| 5200005009      | 30.06.2005   | 2.856.549,22                                                                           |
| 5200005029      | 01.07.2005   | -2.856.549,22                                                                          |
| 5200006384      | 31.08.2005   | 2.835.232,12                                                                           |
| 5200006404      | 01.09.2005   | -2.835.232,12                                                                          |
| 5200001656      | 28.02.2007   | 2.826.092,09                                                                           |
| 5200001670      | 01.03.2007   | -2.826.092,09                                                                          |
| 5200008350      | 30.11.2005   | 2.812.518,12                                                                           |
| 5200008373      | 01.12.2005   | -2.812.518,12                                                                          |
| 5200007635      | 31.10.2009   | 2.792.786,07                                                                           |
| 5200007658      | 01.11.2009   | -2.792.786,07                                                                          |
| 5200019270      | 30.11.2011   | 2.776.722,21                                                                           |
| 5200019298      | 01.12.2011   | -2.776.722,21                                                                          |
| 5200004438      | 30.06.2010   | 2.756.414,61                                                                           |
| 5200004458      | 01.07.2010   | -2.756.414,61                                                                          |
| 5200001724      | 31.05.2001   | 2.738.815,66                                                                           |
| 5200001751      | 01.06.2001   | -2.738.815,66                                                                          |
| 5200034668      | 31.12.2016   | 2.734.353,73                                                                           |
| 5200000764      | 01.01.2017   | -2.734.353,73                                                                          |
| 5200002605      | 28.02.2011   | 2.725.909,13                                                                           |
| 5200002635      | 01.03.2011   | -2.725.909,13                                                                          |
| 5200006799      | 31.10.2006   | 2.718.817,15                                                                           |
| 5200006818      | 01.11.2006   | -2.718.817,15                                                                          |
| 5200000996      | 31.01.2011   | 2.709.840,96                                                                           |
| 5200001023      | 01.02.2011   | -2.709.840,96                                                                          |
| 5200006743      | 30.09.2005   | 2.704.878,86                                                                           |
| 5200006760      | 01.10.2005   | -2.704.878,86                                                                          |
| 5200007847      | 31.10.2005   | 2.702.726,97                                                                           |
| 5200007868      | 01.11.2005   | -2.702.726,97                                                                          |
| 5200005627      | 31.08.2006   | 2.661.096,20                                                                           |
| 5200005645      | 01.09.2006   | -2.661.096,20                                                                          |
| 5200002509      | 31.03.2010   | 2.647.338,40                                                                           |
| 5200002527      | 01.04.2010   | -2.647.338,40                                                                          |
| 5200003167      | 30.04.2010   | 2.624.410,84                                                                           |
| 5200003188      | 01.05.2010   | -2.624.410,84                                                                          |
| 5200005637      | 31.08.2001   | 2.581.149,11                                                                           |
| 5200005663      | 01.09.2001   | -2.581.149,11                                                                          |
| 5000002244      | 31.12.2017   | 2.570.162,00                                                                           |
| 5200008328      | 30.11.2009   | 2.567.147,14                                                                           |
| 5200008346      | 01.12.2009   | -2.567.147,14                                                                          |
| 5200005727      | 31.05.2003   | 2.497.710,92                                                                           |
| 5200005754      | 01.06.2003   | -2.497.710,92                                                                          |
| 5200001811      | 28.02.2010   | 2.478.591,54                                                                           |
| 5200001831      | 01.03.2010   | -2.478.591,54                                                                          |
| 5200003254      | 30.04.2005   | 2.436.192,95                                                                           |
| 5200003275      | 01.05.2005   | -2.436.192,95                                                                          |
| 5200007016      | 31.05.2004   | 2.409.542,02                                                                           |
| 5200007044      | 01.06.2004   | -2.409.542,02                                                                          |
| 5200013166      | 30.11.2003   | 2.400.609,72                                                                           |
| 5200013189      | 01.12.2003   | -2.400.609,72                                                                          |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200002597      | 31.03.2009   | 2.347.048,16                                                                           |
| 5200002617      | 01.04.2009   | -2.347.048,16                                                                          |
| 5200008741      | 31.12.2005   | 2.339.194,18                                                                           |
| 5200000300      | 01.01.2006   | -2.339.194,18                                                                          |
| 5200005729      | 31.07.2005   | 2.331.764,55                                                                           |
| 5200005750      | 01.08.2005   | -2.331.764,55                                                                          |
| 5200001675      | 28.02.2005   | 2.310.890,08                                                                           |
| 5200001694      | 01.03.2005   | -2.310.890,08                                                                          |
| 5200002900      | 31.01.2017   | 2.278.677,44                                                                           |
| 5200003450      | 01.02.2017   | -2.278.677,44                                                                          |
| 5200004443      | 30.06.2009   | 2.213.937,84                                                                           |
| 5200004463      | 01.07.2009   | -2.213.937,84                                                                          |
| 5200001096      | 31.01.2010   | 2.200.999,66                                                                           |
| 5200001117      | 01.02.2010   | -2.200.999,66                                                                          |
| 5200005752      | 30.04.2004   | 2.194.197,41                                                                           |
| 5200005777      | 01.05.2004   | -2.194.197,41                                                                          |
| 5200001673      | 31.01.2016   | 2.191.999,78                                                                           |
| 5200002164      | 01.02.2016   | -2.191.999,78                                                                          |
| 5200002442      | 31.03.2005   | 2.176.350,13                                                                           |
| 5200002462      | 01.04.2005   | -2.176.350,13                                                                          |
| 5200008594      | 31.12.2009   | 2.145.892,04                                                                           |
| 5200000413      | 01.01.2010   | -2.145.892,04                                                                          |
| 5200008174      | 30.06.2004   | 2.103.211,56                                                                           |
| 5200008199      | 01.07.2004   | -2.103.211,56                                                                          |
| 5200001469      | 31.01.2004   | 2.100.023,12                                                                           |
| 5200001491      | 01.02.2004   | -2.100.023,12                                                                          |
| 5200004233      | 31.07.2001   | 2.092.160,38                                                                           |
| 5200004260      | 01.08.2001   | -2.092.160,38                                                                          |
| 5200008573      | 31.03.2016   | 2.089.713,98                                                                           |
| 5200009062      | 01.04.2016   | -2.089.713,98                                                                          |
| 5200008783      | 31.12.2008   | 2.082.819,78                                                                           |
| 5200000410      | 01.01.2009   | -2.082.819,78                                                                          |
| 5200005509      | 31.07.2009   | 2.075.136,25                                                                           |
| 5200005529      | 01.08.2009   | -2.075.136,25                                                                          |
| 5200011451      | 31.10.2004   | 2.036.192,20                                                                           |
| 5200011475      | 01.11.2004   | -2.036.192,20                                                                          |
| 5200013862      | 30.04.2017   | 2.034.142,06                                                                           |
| 5200014419      | 01.05.2017   | -2.034.142,06                                                                          |
| 5200033906      | 31.12.2015   | 1.998.240,42                                                                           |
| 5200000620      | 01.01.2016   | -1.998.240,42                                                                          |
| 5200009310      | 31.03.2017   | 1.995.256,73                                                                           |
| 5200009849      | 01.04.2017   | -1.995.256,73                                                                          |
| 5200009026      | 31.07.2004   | 1.971.302,94                                                                           |
| 5200009052      | 01.08.2004   | -1.971.302,94                                                                          |
| 5200003121      | 29.02.2004   | 1.951.499,74                                                                           |
| 5200003146      | 01.03.2004   | -1.951.499,74                                                                          |
| 2789684         | 31.10.2000   | 1.944.935,49                                                                           |
| 2789691         | 03.11.2000   | -1.944.935,49                                                                          |
| 5200003818      | 31.05.2010   | 1.936.835,69                                                                           |
| 5200003838      | 01.06.2010   | -1.936.835,69                                                                          |
| 5200004414      | 31.03.2004   | 1.934.577,28                                                                           |
| 5200004448      | 01.04.2004   | -1.934.577,28                                                                          |
| 5200000730      | 31.01.2005   | 1.931.061,10                                                                           |
| 5200000750      | 01.02.2005   | -1.931.061,10                                                                          |
| 5200006191      | 31.08.2009   | 1.920.605,24                                                                           |
| 5200006207      | 01.09.2009   | -1.920.605,24                                                                          |
| 2700890         | 30.11.2000   | 1.917.719,22                                                                           |
| 2700897         | 05.12.2000   | -1.917.719,22                                                                          |
| 5200029739      | 31.10.2016   | 1.889.574,45                                                                           |
| 5200030190      | 01.11.2016   | -1.889.574,45                                                                          |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200010884      | 30.04.2016   | 1.875.331,66                                                                           |
| 5200011368      | 01.05.2016   | -1.875.331,66                                                                          |
| 5200006150      | 28.02.2017   | 1.862.831,58                                                                           |
| 5200006693      | 01.03.2017   | -1.862.831,58                                                                          |
| 5200032718      | 30.11.2016   | 1.862.568,39                                                                           |
| 5200033185      | 01.12.2016   | -1.862.568,39                                                                          |
| 5200009689      | 31.08.2004   | 1.861.426,84                                                                           |
| 5200009713      | 01.09.2004   | -1.861.426,84                                                                          |
| 5200020564      | 31.07.2016   | 1.855.772,26                                                                           |
| 5200021034      | 01.08.2016   | -1.855.772,26                                                                          |
| 5200012322      | 30.11.2004   | 1.789.142,88                                                                           |
| 5200012342      | 01.12.2004   | -1.789.142,88                                                                          |
| 5200006103      | 30.09.2001   | 1.773.684,78                                                                           |
| 5200006130      | 01.10.2001   | -1.773.684,78                                                                          |
| 5200006906      | 30.09.2009   | 1.773.147,75                                                                           |
| 5200006925      | 01.10.2009   | -1.773.147,75                                                                          |
| 5200017588      | 30.06.2015   | 1.761.861,98                                                                           |
| 5200017941      | 01.07.2015   | -1.761.861,98                                                                          |
| 2788550         | 30.09.2000   | 1.752.851,51                                                                           |
| 2788557         | 05.10.2000   | -1.752.851,51                                                                          |
| 5200036264      | 30.11.2001   | 1.705.552,85                                                                           |
| 5200036290      | 01.12.2001   | -1.705.552,85                                                                          |
| 5200012802      | 31.12.2004   | 1.670.743,03                                                                           |
| 5200000179      | 01.01.2005   | -1.670.743,03                                                                          |
| 5200026695      | 30.09.2016   | 1.653.414,61                                                                           |
| 5200027151      | 01.10.2016   | -1.653.414,61                                                                          |
| 5200010627      | 30.09.2004   | 1.641.613,15                                                                           |
| 5200010651      | 01.10.2004   | -1.641.613,15                                                                          |
| 5200023519      | 31.08.2016   | 1.606.979,73                                                                           |
| 5200023982      | 01.09.2016   | -1.606.979,73                                                                          |
| 5200006754      | 30.06.2003   | 1.606.664,21                                                                           |
| 5200006780      | 01.07.2003   | -1.606.664,21                                                                          |
| 5200017655      | 31.05.2017   | 1.569.251,22                                                                           |
| 5200018216      | 01.06.2017   | -1.569.251,22                                                                          |
| 5200005501      | 29.02.2016   | 1.561.733,73                                                                           |
| 5200006021      | 01.03.2016   | -1.561.733,73                                                                          |
| 5200016822      | 30.06.2016   | 1.555.637,68                                                                           |
| 5200017283      | 01.07.2016   | -1.555.637,68                                                                          |
| 2787424         | 31.08.2000   | 1.541.059,79                                                                           |
| 2787431         | 05.09.2000   | -1.541.059,79                                                                          |
| 2705424         | 31.03.2001   | 1.517.332,70                                                                           |
| 2705432         | 04.04.2001   | -1.517.332,70                                                                          |
| 2703055         | 31.01.2001   | 1.487.767,69                                                                           |
| 2703063         | 05.02.2001   | -1.487.767,69                                                                          |
| 5000001941      | 31.12.2015   | 1.475.965,66                                                                           |
| 5200032066      | 30.11.2015   | 1.474.407,61                                                                           |
| 5200032469      | 01.12.2015   | -1.474.407,61                                                                          |
| 5200001408      | 31.01.2002   | 1.472.842,34                                                                           |
| 5200001441      | 01.02.2002   | -1.472.842,34                                                                          |
| 5200013655      | 30.04.2017   | 1.469.252,23                                                                           |
| 5200014212      | 01.05.2017   | -1.469.252,23                                                                          |
| 2785102         | 30.06.2000   | 1.465.815,26                                                                           |
| 2785109         | 05.07.2000   | -1.465.815,26                                                                          |
| 5200014559      | 31.05.2016   | 1.451.948,27                                                                           |
| 5200015034      | 01.06.2016   | -1.451.948,27                                                                          |
| 5200004667      | 30.04.2003   | 1.448.394,59                                                                           |
| 5200004695      | 01.05.2003   | -1.448.394,59                                                                          |
| 5200024386      | 31.07.2017   | 1.426.330,35                                                                           |
| 5200024935      | 01.08.2017   | -1.426.330,35                                                                          |
| 5200013741      | 31.10.2001   | 1.422.099,81                                                                           |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200013779      | 01.11.2001   | -1.422.099,81                                                                          |
| 2772070         | 31.07.1999   | 1.408.244,69                                                                           |
| 2772078         | 04.08.1999   | -1.408.244,69                                                                          |
| 5200008924      | 31.08.2003   | 1.392.097,91                                                                           |
| 5200008950      | 01.09.2003   | -1.392.097,91                                                                          |
| 5200040098      | 30.11.2017   | 1.384.197,87                                                                           |
| 5200040648      | 01.12.2017   | -1.384.197,87                                                                          |
| 2784058         | 31.05.2000   | 1.375.913,22                                                                           |
| 2784051         | 07.06.2000   | -1.375.913,22                                                                          |
| 5200014278      | 31.12.2003   | 1.356.351,83                                                                           |
| 5200000374      | 01.01.2004   | -1.356.351,83                                                                          |
| 2789686         | 31.10.2000   | 1.338.989,19                                                                           |
| 2789693         | 03.11.2000   | -1.338.989,19                                                                          |
| 5200011764      | 31.10.2003   | 1.338.060,85                                                                           |
| 5200011788      | 01.11.2003   | -1.338.060,85                                                                          |
| 5200007792      | 31.07.2003   | 1.322.982,01                                                                           |
| 5200007820      | 01.08.2003   | -1.322.982,01                                                                          |
| 5200023682      | 30.09.2014   | 1.312.905,44                                                                           |
| 5200024007      | 01.10.2014   | -1.312.905,44                                                                          |
| 2704184         | 28.02.2001   | 1.301.875,70                                                                           |
| 2704192         | 05.03.2001   | -1.301.875,70                                                                          |
| 2760761         | 31.10.1998   | 1.301.574,19                                                                           |
| 2760768         | 04.11.1998   | -1.301.574,19                                                                          |
| 5200004494      | 31.03.2002   | 1.295.170,96                                                                           |
| 5200004515      | 01.04.2002   | -1.295.170,96                                                                          |
| 2755658         | 30.06.1998   | 1.281.428,09                                                                           |
| 2755627         | 03.07.1998   | -1.281.428,09                                                                          |
| 5200029134      | 31.10.2015   | 1.263.851,25                                                                           |
| 5200029542      | 01.11.2015   | -1.263.851,25                                                                          |
| 5200014883      | 31.05.2015   | 1.252.538,87                                                                           |
| 5200015274      | 01.06.2015   | -1.252.538,87                                                                          |
| 2786251         | 31.07.2000   | 1.245.741,41                                                                           |
| 2786258         | 03.08.2000   | -1.245.741,41                                                                          |
| 5200020297      | 31.07.2015   | 1.239.100,10                                                                           |
| 5200020665      | 01.08.2015   | -1.239.100,10                                                                          |
| 5200029159      | 31.10.2013   | 1.232.902,49                                                                           |
| 5200029501      | 01.11.2013   | -1.232.902,49                                                                          |
| 5200005726      | 30.04.2002   | 1.228.176,13                                                                           |
| 5200005749      | 01.05.2002   | -1.228.176,13                                                                          |
| 5200031839      | 30.09.2017   | 1.216.428,85                                                                           |
| 5200032397      | 01.10.2017   | -1.216.428,85                                                                          |
| 5200031297      | 31.12.2014   | 1.213.105,08                                                                           |
| 5200000624      | 01.01.2015   | -1.213.105,08                                                                          |
| 5000001798      | 30.11.2017   | 1.200.000,00                                                                           |
| 5200014099      | 30.11.2002   | 1.198.069,44                                                                           |
| 5200014122      | 01.12.2002   | -1.198.069,44                                                                          |
| 5200011721      | 30.09.2002   | 1.192.118,08                                                                           |
| 5200011744      | 01.10.2002   | -1.192.118,08                                                                          |
| 5200006964      | 31.05.2002   | 1.182.904,97                                                                           |
| 5200006978      | 01.06.2002   | -1.182.904,97                                                                          |
| 5200012941      | 31.10.2002   | 1.182.741,40                                                                           |
| 5200012963      | 01.11.2002   | -1.182.741,40                                                                          |
| 5200021367      | 30.06.2017   | 1.142.338,67                                                                           |
| 5200021925      | 01.07.2017   | -1.142.338,67                                                                          |
| 5200002494      | 28.02.2003   | 1.140.129,38                                                                           |
| 5200002521      | 01.03.2003   | -1.140.129,38                                                                          |
| 2762084         | 30.11.1998   | 1.127.459,66                                                                           |
| 2762091         | 03.12.1998   | -1.127.459,66                                                                          |
| 5200007600      | 30.06.2002   | 1.119.260,95                                                                           |
| 5200007623      | 01.07.2002   | -1.119.260,95                                                                          |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200028128      | 31.08.2017   | 1.117.422,42                                                                           |
| 5200028690      | 01.09.2017   | -1.117.422,42                                                                          |
| 2701887         | 31.12.2000   | 1.094.467,91                                                                           |
| 2701879         | 04.01.2001   | -1.094.467,91                                                                          |
| 5200009331      | 31.07.2002   | 1.076.827,87                                                                           |
| 5200009355      | 01.08.2002   | -1.076.827,87                                                                          |
| 5200026320      | 30.09.2015   | 1.075.307,85                                                                           |
| 5200026735      | 01.10.2015   | -1.075.307,85                                                                          |
| 5200031760      | 30.11.2013   | 1.073.231,96                                                                           |
| 5200032116      | 01.12.2013   | -1.073.231,96                                                                          |
| 5200023057      | 31.08.2015   | 1.072.672,06                                                                           |
| 5200023437      | 01.09.2015   | -1.072.672,06                                                                          |
| 2750415         | 28.02.1998   | 1.063.687,40                                                                           |
| 2750422         | 04.03.1998   | -1.063.687,40                                                                          |
| 5200003179      | 28.02.2002   | 1.062.011,58                                                                           |
| 5200003207      | 01.03.2002   | -1.062.011,58                                                                          |
| 2747236         | 30.11.1997   | 1.045.827,60                                                                           |
| 2747243         | 03.12.1997   | -1.045.827,60                                                                          |
| 2765990         | 28.02.1999   | 1.023.784,61                                                                           |
| 2765997         | 03.03.1999   | -1.023.784,61                                                                          |
| 2767400         | 31.03.1999   | 1.018.714,71                                                                           |
| 2767407         | 07.04.1999   | -1.018.714,71                                                                          |
| 5200002311      | 31.01.2015   | 1.014.836,15                                                                           |
| 5200002735      | 01.02.2015   | -1.014.836,15                                                                          |
| 2762079         | 30.11.1998   | 1.013.209,85                                                                           |
| 2762086         | 03.12.1998   | -1.013.209,85                                                                          |
| 2749626         | 31.01.1998   | 1.009.932,34                                                                           |
| 2749633         | 04.02.1998   | -1.009.932,34                                                                          |
| 2760766         | 31.10.1998   | 1.007.615,94                                                                           |
| 2760773         | 04.11.1998   | -1.007.615,94                                                                          |
| 5200026509      | 30.09.2016   | 1.007.387,46                                                                           |
| 5200026965      | 01.10.2016   | -1.007.387,46                                                                          |
| 2701889         | 31.12.2000   | 993.166,34                                                                             |
| 2701881         | 04.01.2001   | -993.166,34                                                                            |
| 2710545         | 30.06.1995   | 991.957,48                                                                             |
| 2710567         | 05.07.1995   | -991.957,48                                                                            |
| 5200029225      | 31.10.2013   | 989.469,39                                                                             |
| 5200029567      | 01.11.2013   | -989.469,39                                                                            |
| 2764652         | 31.01.1999   | 987.452,97                                                                             |
| 2764659         | 03.02.1999   | -987.452,97                                                                            |
| 5200007828      | 31.03.2015   | 985.336,59                                                                             |
| 5200008232      | 01.04.2015   | -985.336,59                                                                            |
| 5200040118      | 30.11.2017   | 984.140,48                                                                             |
| 5200040668      | 01.12.2017   | -984.140,48                                                                            |
| 5200033935      | 31.12.2013   | 976.935,30                                                                             |
| 5200000629      | 01.01.2014   | -976.935,30                                                                            |
| 2753345         | 30.04.1998   | 976.329,03                                                                             |
| 2753352         | 06.05.1998   | -976.329,03                                                                            |
| 5200010259      | 30.09.2003   | 972.693,48                                                                             |
| 5200010285      | 01.10.2003   | -972.693,48                                                                            |
| 5200035513      | 31.10.2017   | 970.446,71                                                                             |
| 5200036069      | 01.11.2017   | -970.446,71                                                                            |
| 5200001394      | 31.01.2003   | 965.104,63                                                                             |
| 5200001421      | 01.02.2003   | -965.104,63                                                                            |
| 2705988         | 31.01.1995   | 964.699,86                                                                             |
| 2706002         | 07.02.1995   | -964.699,86                                                                            |
| 5200013635      | 30.04.2017   | 961.445,96                                                                             |
| 5200014192      | 01.05.2017   | -961.445,96                                                                            |
| 5200003608      | 31.03.2003   | 961.114,18                                                                             |
| 5200003636      | 01.04.2003   | -961.114,18                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2746015         | 31.10.1997   | 957.040,57                                                                             |
| 2746022         | 05.11.1997   | -957.040,57                                                                            |
| 5200018209      | 30.06.2013   | 942.566,87                                                                             |
| 5200018609      | 01.07.2013   | -942.566,87                                                                            |
| 5200035493      | 31.10.2017   | 934.984,95                                                                             |
| 5200036049      | 01.11.2017   | -934.984,95                                                                            |
| 2714363         | 01.11.1995   | 933.293,13                                                                             |
| 2714341         | 03.11.1995   | -933.293,13                                                                            |
| 5200026317      | 31.10.2014   | 933.239,56                                                                             |
| 5200026670      | 01.11.2014   | -933.239,56                                                                            |
| 2718829         | 29.02.1996   | 932.077,76                                                                             |
| 2718836         | 05.03.1996   | -932.077,76                                                                            |
| 2764647         | 31.01.1999   | 922.797,23                                                                             |
| 2764654         | 03.02.1999   | -922.797,23                                                                            |
| 5200029060      | 31.10.2013   | 921.640,36                                                                             |
| 5200029402      | 01.11.2013   | -921.640,36                                                                            |
| 2754477         | 31.05.1998   | 913.717,73                                                                             |
| 2754484         | 04.06.1998   | -913.717,73                                                                            |
| 5200004035      | 28.02.2014   | 912.896,26                                                                             |
| 5200004436      | 01.03.2014   | -912.896,26                                                                            |
| 2704190         | 28.02.2001   | 908.717,80                                                                             |
| 2704198         | 05.03.2001   | -908.717,80                                                                            |
| 5200031820      | 30.09.2017   | 903.197,50                                                                             |
| 5200032378      | 01.10.2017   | -903.197,50                                                                            |
| 5200004603      | 28.02.2015   | 894.646,07                                                                             |
| 5200005034      | 01.03.2015   | -894.646,07                                                                            |
| 2715380         | 30.11.1995   | 892.833,09                                                                             |
| 2715387         | 05.12.1995   | -892.833,09                                                                            |
| 2775766         | 31.10.1999   | 890.598,30                                                                             |
| 2775773         | 03.11.1999   | -890.598,30                                                                            |
| 5200026155      | 31.10.2014   | 890.341,86                                                                             |
| 5200026508      | 01.11.2014   | -890.341,86                                                                            |
| 2720437         | 31.03.1996   | 887.633,28                                                                             |
| 2720444         | 04.04.1996   | -887.633,28                                                                            |
| 5200017674      | 31.05.2017   | 886.975,79                                                                             |
| 5200018235      | 01.06.2017   | -886.975,79                                                                            |
| 5200026574      | 30.09.2013   | 885.945,97                                                                             |
| 5200026943      | 01.10.2013   | -885.945,97                                                                            |
| 2781741         | 31.03.2000   | 877.720,19                                                                             |
| 2781748         | 05.04.2000   | -877.720,19                                                                            |
| 2789689         | 31.10.2000   | 872.905,15                                                                             |
| 2789696         | 03.11.2000   | -872.905,15                                                                            |
| 5200009088      | 31.03.2017   | 866.637,10                                                                             |
| 5200009627      | 01.04.2017   | -866.637,10                                                                            |
| 5200028974      | 30.11.2014   | 864.725,58                                                                             |
| 5200029338      | 01.12.2014   | -864.725,58                                                                            |
| 2782807         | 30.04.2000   | 863.776,42                                                                             |
| 2782800         | 04.05.2000   | -863.776,42                                                                            |
| 2705430         | 31.03.2001   | 859.938,58                                                                             |
| 2705438         | 04.04.2001   | -859.938,58                                                                            |
| 2777062         | 30.11.1999   | 859.900,67                                                                             |
| 2777069         | 03.12.1999   | -859.900,67                                                                            |
| 5200012008      | 30.04.2015   | 856.378,83                                                                             |
| 5200012422      | 01.05.2015   | -856.378,83                                                                            |
| 2752212         | 31.03.1998   | 849.469,33                                                                             |
| 2752220         | 03.04.1998   | -849.469,33                                                                            |
| 2706959         | 28.02.1995   | 848.440,13                                                                             |
| 2706980         | 07.03.1995   | -848.440,13                                                                            |
| 5200020871      | 31.08.2014   | 844.754,92                                                                             |
| 5200021304      | 01.09.2014   | -844.754,92                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2738054         | 31.03.1997   | 843.401,12                                                                             |
| 2738061         | 03.04.1997   | -843.401,12                                                                            |
| 5200010528      | 31.08.2002   | 843.390,69                                                                             |
| 5200010552      | 01.09.2002   | -843.390,69                                                                            |
| 2742536         | 31.07.1997   | 839.387,68                                                                             |
| 2742543         | 05.08.1997   | -839.387,68                                                                            |
| 5200023691      | 31.08.2013   | 838.876,02                                                                             |
| 5200024044      | 01.09.2013   | -838.876,02                                                                            |
| 2732313         | 31.01.1997   | 838.041,78                                                                             |
| 2732320         | 05.02.1997   | -838.041,78                                                                            |
| 5200007362      | 28.02.2013   | 833.811,32                                                                             |
| 5200007695      | 01.03.2013   | -833.811,32                                                                            |
| 5200037328      | 31.12.2001   | 833.170,24                                                                             |
| 5200000576      | 01.01.2002   | -833.170,24                                                                            |
| 2709643         | 31.05.1995   | 831.160,78                                                                             |
| 2709665         | 06.06.1995   | -831.160,78                                                                            |
| 5200012256      | 31.05.2014   | 829.221,67                                                                             |
| 5200012703      | 01.06.2014   | -829.221,67                                                                            |
| 2718099         | 31.01.1996   | 823.528,41                                                                             |
| 2718106         | 05.02.1996   | -823.528,41                                                                            |
| 2732318         | 31.01.1997   | 823.222,91                                                                             |
| 2732325         | 05.02.1997   | -823.222,91                                                                            |
| 2728652         | 31.10.1996   | 822.109,05                                                                             |
| 2728660         | 05.11.1996   | -822.109,05                                                                            |
| 5200030973      | 31.12.2012   | 819.937,14                                                                             |
| 5200000590      | 01.01.2013   | -819.937,14                                                                            |
| 5200002676      | 31.01.2017   | 819.032,32                                                                             |
| 5200003226      | 01.02.2017   | -819.032,32                                                                            |
| 5200003004      | 31.01.2013   | 816.896,45                                                                             |
| 5200003346      | 01.02.2013   | -816.896,45                                                                            |
| 5200015195      | 30.06.2014   | 809.121,87                                                                             |
| 5200015625      | 01.07.2014   | -809.121,87                                                                            |
| 5200028595      | 30.11.2012   | 807.195,06                                                                             |
| 5200028904      | 01.12.2012   | -807.195,06                                                                            |
| 5200009028      | 30.04.2012   | 806.866,75                                                                             |
| 5200009306      | 01.05.2012   | -806.866,75                                                                            |
| 2707992         | 31.03.1995   | 805.016,91                                                                             |
| 2707917         | 07.04.1995   | -805.016,91                                                                            |
| 2700892         | 30.11.2000   | 802.599,39                                                                             |
| 2700899         | 05.12.2000   | -802.599,39                                                                            |
| 5200042414      | 31.12.2017   | 798.357,36                                                                             |
| 2736783         | 28.02.1997   | 795.099,03                                                                             |
| 2736790         | 05.03.1997   | -795.099,03                                                                            |
| 2765995         | 28.02.1999   | 794.198,99                                                                             |
| 2766002         | 03.03.1999   | -794.198,99                                                                            |
| 2756997         | 31.07.1998   | 794.189,52                                                                             |
| 2757004         | 05.08.1998   | -794.189,52                                                                            |
| 5200023345      | 31.08.2016   | 791.186,66                                                                             |
| 5200023808      | 01.09.2016   | -791.186,66                                                                            |
| 2750420         | 28.02.1998   | 790.848,46                                                                             |
| 2750427         | 04.03.1998   | -790.848,46                                                                            |
| 2768384         | 30.04.1999   | 788.631,23                                                                             |
| 2768391         | 05.05.1999   | -788.631,23                                                                            |
| 5200004417      | 28.02.2015   | 787.226,76                                                                             |
| 5200004848      | 01.03.2015   | -787.226,76                                                                            |
| 2712462         | 31.08.1995   | 783.950,93                                                                             |
| 2712486         | 04.09.1995   | -783.950,93                                                                            |
| 5200018150      | 31.07.2014   | 781.965,58                                                                             |
| 5200018573      | 01.08.2014   | -781.965,58                                                                            |
| 5200001497      | 31.01.2016   | 778.022,12                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001988      | 01.02.2016   | -778.022,12                                                                            |
| 2741291         | 30.06.1997   | 777.686,90                                                                             |
| 2741298         | 03.07.1997   | -777.686,90                                                                            |
| 5200021082      | 31.07.2013   | 776.525,69                                                                             |
| 5200021439      | 01.08.2013   | -776.525,69                                                                            |
| 5200018214      | 30.06.2013   | 772.725,85                                                                             |
| 5200018614      | 01.07.2013   | -772.725,85                                                                            |
| 2759471         | 30.09.1998   | 770.352,81                                                                             |
| 2759478         | 05.10.1998   | -770.352,81                                                                            |
| 5200018357      | 31.07.2014   | 768.520,79                                                                             |
| 5200018780      | 01.08.2014   | -768.520,79                                                                            |
| 5200005920      | 28.02.2017   | 766.424,99                                                                             |
| 5200006463      | 01.03.2017   | -766.424,99                                                                            |
| 2778930         | 31.01.2000   | 763.642,70                                                                             |
| 2778937         | 03.02.2000   | -763.642,70                                                                            |
| 5200026415      | 30.09.2013   | 759.772,74                                                                             |
| 5200026784      | 01.10.2013   | -759.772,74                                                                            |
| 5200029569      | 31.10.2016   | 756.882,99                                                                             |
| 5200030020      | 01.11.2016   | -756.882,99                                                                            |
| 2778222         | 31.12.1999   | 751.929,51                                                                             |
| 2778229         | 05.01.2000   | -751.929,51                                                                            |
| 2771245         | 30.06.1999   | 750.308,55                                                                             |
| 2771252         | 05.07.1999   | -750.308,55                                                                            |
| 2708690         | 30.04.1995   | 748.033,74                                                                             |
| 2708712         | 04.05.1995   | -748.033,74                                                                            |
| 5200017449      | 31.07.2012   | 747.471,52                                                                             |
| 5200017735      | 01.08.2012   | -747.471,52                                                                            |
| 2780132         | 29.02.2000   | 746.849,13                                                                             |
| 2780139         | 03.03.2000   | -746.849,13                                                                            |
| 5200031588      | 30.11.2013   | 745.976,09                                                                             |
| 5200031944      | 01.12.2013   | -745.976,09                                                                            |
| 2758177         | 31.08.1998   | 745.210,80                                                                             |
| 2758184         | 03.09.1998   | -745.210,80                                                                            |
| 5200032540      | 30.11.2016   | 742.348,87                                                                             |
| 5200033007      | 01.12.2016   | -742.348,87                                                                            |
| 5200009564      | 30.04.2014   | 740.840,52                                                                             |
| 5200009986      | 01.05.2014   | -740.840,52                                                                            |
| 5200021261      | 31.07.2013   | 740.502,12                                                                             |
| 5200021618      | 01.08.2013   | -740.502,12                                                                            |
| 2727489         | 30.09.1996   | 740.372,98                                                                             |
| 2727496         | 04.10.1996   | -740.372,98                                                                            |
| 5200024394      | 31.07.2017   | 736.752,59                                                                             |
| 5200024943      | 01.08.2017   | -736.752,59                                                                            |
| 5200021087      | 31.07.2013   | 732.029,39                                                                             |
| 5200021444      | 01.08.2013   | -732.029,39                                                                            |
| 2744849         | 30.09.1997   | 731.518,31                                                                             |
| 2744856         | 06.10.1997   | -731.518,31                                                                            |
| 5200026149      | 30.09.2015   | 730.313,55                                                                             |
| 5200026564      | 01.10.2015   | -730.313,55                                                                            |
| 2769779         | 31.05.1999   | 729.994,67                                                                             |
| 2769786         | 07.06.1999   | -729.994,67                                                                            |
| 2757002         | 31.07.1998   | 729.571,26                                                                             |
| 2757009         | 05.08.1998   | -729.571,26                                                                            |
| 2755653         | 30.06.1998   | 729.245,25                                                                             |
| 2755622         | 03.07.1998   | -729.245,25                                                                            |
| 5200015431      | 30.06.2014   | 726.612,01                                                                             |
| 5200015861      | 01.07.2014   | -726.612,01                                                                            |
| 2773434         | 31.08.1999   | 720.286,60                                                                             |
| 2773441         | 03.09.1999   | -720.286,60                                                                            |
| 5200001510      | 31.01.2014   | 719.392,41                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001882      | 01.02.2014   | -719.392,41                                                                            |
| 2729865         | 30.11.1996   | 718.739,01                                                                             |
| 2729873         | 04.12.1996   | -718.739,01                                                                            |
| 5200026521      | 30.09.2016   | 718.266,83                                                                             |
| 5200026977      | 01.10.2016   | -718.266,83                                                                            |
| 5200014650      | 30.06.2012   | 714.503,31                                                                             |
| 5200014940      | 01.07.2012   | -714.503,31                                                                            |
| 5200000024      | 30.04.2001   | 710.019,89                                                                             |
| 5200000051      | 01.05.2001   | -710.019,89                                                                            |
| 2740137         | 31.05.1997   | 706.975,09                                                                             |
| 2740145         | 04.06.1997   | -706.975,09                                                                            |
| 2740131         | 31.05.1997   | 705.640,99                                                                             |
| 2740139         | 04.06.1997   | -705.640,99                                                                            |
| 2723827         | 30.06.1996   | 703.862,07                                                                             |
| 2723834         | 03.07.1996   | -703.862,07                                                                            |
| 5200036287      | 30.11.2001   | 703.567,60                                                                             |
| 5200036313      | 01.12.2001   | -703.567,60                                                                            |
| 2722718         | 31.05.1996   | 702.120,49                                                                             |
| 2722725         | 05.06.1996   | -702.120,49                                                                            |
| 2742541         | 31.07.1997   | 699.797,85                                                                             |
| 2742548         | 05.08.1997   | -699.797,85                                                                            |
| 5200031596      | 30.11.2013   | 698.199,90                                                                             |
| 5200031952      | 01.12.2013   | -698.199,90                                                                            |
| 5200018156      | 31.07.2014   | 696.868,48                                                                             |
| 5200018579      | 01.08.2014   | -696.868,48                                                                            |
| 5200028147      | 31.08.2017   | 696.325,34                                                                             |
| 5200028709      | 01.09.2017   | -696.325,34                                                                            |
| 2739054         | 30.04.1997   | 695.572,78                                                                             |
| 2739061         | 06.05.1997   | -695.572,78                                                                            |
| 2725111         | 31.07.1996   | 690.138,15                                                                             |
| 2725118         | 05.08.1996   | -690.138,15                                                                            |
| 5200001745      | 31.05.2001   | 689.864,27                                                                             |
| 5200001772      | 01.06.2001   | -689.864,27                                                                            |
| 5200002693      | 31.01.2017   | 689.114,20                                                                             |
| 5200003243      | 01.02.2017   | -689.114,20                                                                            |
| 2736778         | 28.02.1997   | 687.616,57                                                                             |
| 2736785         | 05.03.1997   | -687.616,57                                                                            |
| 5200028806      | 30.11.2014   | 681.438,15                                                                             |
| 5200029170      | 01.12.2014   | -681.438,15                                                                            |
| 2711525         | 31.07.1995   | 677.780,89                                                                             |
| 2711550         | 03.08.1995   | -677.780,89                                                                            |
| 5200001328      | 31.01.2014   | 677.399,01                                                                             |
| 5200001700      | 01.02.2014   | -677.399,01                                                                            |
| 5200020142      | 31.07.2015   | 675.404,84                                                                             |
| 5200020510      | 01.08.2015   | -675.404,84                                                                            |
| 2746020         | 31.10.1997   | 673.165,80                                                                             |
| 2746027         | 05.11.1997   | -673.165,80                                                                            |
| 5200024406      | 31.07.2017   | 670.158,43                                                                             |
| 5200024955      | 01.08.2017   | -670.158,43                                                                            |
| 5200015201      | 30.06.2014   | 663.354,24                                                                             |
| 5200015631      | 01.07.2014   | -663.354,24                                                                            |
| 5200014365      | 31.05.2016   | 659.009,73                                                                             |
| 5200014840      | 01.06.2016   | -659.009,73                                                                            |
| 2700895         | 30.11.2000   | 655.882,46                                                                             |
| 2700902         | 05.12.2000   | -655.882,46                                                                            |
| 5200006804      | 31.03.2014   | 655.076,21                                                                             |
| 5200007210      | 01.04.2014   | -655.076,21                                                                            |
| 2721608         | 30.04.1996   | 652.558,46                                                                             |
| 2721615         | 06.05.1996   | -652.558,46                                                                            |
| 2772073         | 31.07.1999   | 651.944,83                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2772080         | 04.08.1999   | -651.944,83                                                                            |
| 5200004691      | 30.04.2003   | 648.772,56                                                                             |
| 5200004719      | 01.05.2003   | -648.772,56                                                                            |
| 5200005313      | 29.02.2016   | 647.653,57                                                                             |
| 5200005833      | 01.03.2016   | -647.653,57                                                                            |
| 5200016635      | 30.06.2016   | 644.690,41                                                                             |
| 5200017096      | 01.07.2016   | -644.690,41                                                                            |
| 5200003634      | 31.03.2003   | 644.596,29                                                                             |
| 5200003661      | 01.04.2003   | -644.596,29                                                                            |
| 5200015200      | 30.06.2014   | 640.149,92                                                                             |
| 5200015630      | 01.07.2014   | -640.149,92                                                                            |
| 2754479         | 31.05.1998   | 637.597,84                                                                             |
| 2754486         | 04.06.1998   | -637.597,84                                                                            |
| 2774679         | 30.09.1999   | 633.589,64                                                                             |
| 2774687         | 05.10.1999   | -633.589,64                                                                            |
| 5200015480      | 31.05.2013   | 633.299,56                                                                             |
| 5200015840      | 01.06.2013   | -633.299,56                                                                            |
| 2778932         | 31.01.2000   | 633.177,91                                                                             |
| 2778939         | 03.02.2000   | -633.177,91                                                                            |
| 2747238         | 30.11.1997   | 632.012,27                                                                             |
| 2747245         | 03.12.1997   | -632.012,27                                                                            |
| 5200012901      | 30.04.2013   | 631.431,92                                                                             |
| 5200013252      | 01.05.2013   | -631.431,92                                                                            |
| 2760763         | 31.10.1998   | 630.152,93                                                                             |
| 2760770         | 04.11.1998   | -630.152,93                                                                            |
| 5200020098      | 31.08.2012   | 627.982,01                                                                             |
| 5200020384      | 01.09.2012   | -627.982,01                                                                            |
| 5200020093      | 31.08.2012   | 627.908,61                                                                             |
| 5200020379      | 01.09.2012   | -627.908,61                                                                            |
| 5200016647      | 30.06.2016   | 627.468,34                                                                             |
| 5200017108      | 01.07.2016   | -627.468,34                                                                            |
| 2784060         | 31.05.2000   | 625.816,12                                                                             |
| 2784053         | 07.06.2000   | -625.816,12                                                                            |
| 5200013643      | 30.04.2017   | 625.725,08                                                                             |
| 5200014200      | 01.05.2017   | -625.725,08                                                                            |
| 2743644         | 31.08.1997   | 623.841,83                                                                             |
| 2743651         | 03.09.1997   | -623.841,83                                                                            |
| 5200022904      | 31.08.2015   | 619.967,53                                                                             |
| 5200023284      | 01.09.2015   | -619.967,53                                                                            |
| 5200042434      | 31.12.2017   | 619.487,83                                                                             |
| 5200029068      | 31.10.2013   | 615.036,01                                                                             |
| 5200029410      | 01.11.2013   | -615.036,01                                                                            |
| 2704186         | 28.02.2001   | 613.760,42                                                                             |
| 2704194         | 05.03.2001   | -613.760,42                                                                            |
| 5200003001      | 31.01.2013   | 611.919,79                                                                             |
| 5200003343      | 01.02.2013   | -611.919,79                                                                            |
| 5200021386      | 30.06.2017   | 611.683,71                                                                             |
| 5200021944      | 01.07.2017   | -611.683,71                                                                            |
| 5200002119      | 31.01.2015   | 607.869,22                                                                             |
| 5200002543      | 01.02.2015   | -607.869,22                                                                            |
| 5200021077      | 31.08.2014   | 607.138,92                                                                             |
| 5200021510      | 01.09.2014   | -607.138,92                                                                            |
| 5200009569      | 30.04.2014   | 605.317,80                                                                             |
| 5200009991      | 01.05.2014   | -605.317,80                                                                            |
| 5200032548      | 30.11.2016   | 599.079,66                                                                             |
| 5200033015      | 01.12.2016   | -599.079,66                                                                            |
| 5200002688      | 31.01.2017   | 596.846,92                                                                             |
| 5200003238      | 01.02.2017   | -596.846,92                                                                            |
| 5200017446      | 30.06.2015   | 595.038,58                                                                             |
| 5200017799      | 01.07.2015   | -595.038,58                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006565      | 31.03.2012   | 594.668,11                                                                             |
| 5200006862      | 01.04.2012   | -594.668,11                                                                            |
| 5200029556      | 31.10.2016   | 591.781,44                                                                             |
| 5200030007      | 01.11.2016   | -591.781,44                                                                            |
| 5200020382      | 31.07.2016   | 591.321,48                                                                             |
| 5200020852      | 01.08.2016   | -591.321,48                                                                            |
| 5200031145      | 31.12.2014   | 590.225,91                                                                             |
| 5200000472      | 01.01.2015   | -590.225,91                                                                            |
| 5200007359      | 28.02.2013   | 588.223,27                                                                             |
| 5200007692      | 01.03.2013   | -588.223,27                                                                            |
| 5200023331      | 31.08.2016   | 588.138,89                                                                             |
| 5200023794      | 01.09.2016   | -588.138,89                                                                            |
| 5200017663      | 31.05.2017   | 587.079,43                                                                             |
| 5200018224      | 01.06.2017   | -587.079,43                                                                            |
| 2755655         | 30.06.1998   | 585.969,82                                                                             |
| 2755624         | 03.07.1998   | -585.969,82                                                                            |
| 5200023538      | 30.09.2014   | 581.544,90                                                                             |
| 5200023863      | 01.10.2014   | -581.544,90                                                                            |
| 5200010688      | 30.04.2016   | 581.350,42                                                                             |
| 5200011172      | 01.05.2016   | -581.350,42                                                                            |
| 2754482         | 31.05.1998   | 579.835,06                                                                             |
| 2754489         | 04.06.1998   | -579.835,06                                                                            |
| 5200004241      | 31.07.2001   | 579.433,48                                                                             |
| 5200004268      | 01.08.2001   | -579.433,48                                                                            |
| 5200007656      | 31.03.2015   | 578.145,22                                                                             |
| 5200008060      | 01.04.2015   | -578.145,22                                                                            |
| 2785107         | 30.06.2000   | 576.766,76                                                                             |
| 2785114         | 05.07.2000   | -576.766,76                                                                            |
| 5200001489      | 31.01.2016   | 576.202,22                                                                             |
| 5200001980      | 01.02.2016   | -576.202,22                                                                            |
| 5200021381      | 30.06.2017   | 572.696,87                                                                             |
| 5200021939      | 01.07.2017   | -572.696,87                                                                            |
| 2769784         | 31.05.1999   | 572.176,61                                                                             |
| 2769791         | 07.06.1999   | -572.176,61                                                                            |
| 5200006809      | 31.03.2014   | 571.071,11                                                                             |
| 5200007215      | 01.04.2014   | -571.071,11                                                                            |
| 5200011828      | 30.04.2015   | 568.741,55                                                                             |
| 5200012242      | 01.05.2015   | -568.741,55                                                                            |
| 5200002123      | 31.01.2015   | 568.573,60                                                                             |
| 5200002547      | 01.02.2015   | -568.573,60                                                                            |
| 5200004043      | 28.02.2014   | 568.487,47                                                                             |
| 5200004444      | 01.03.2014   | -568.487,47                                                                            |
| 5200021078      | 31.07.2013   | 561.803,34                                                                             |
| 5200021435      | 01.08.2013   | -561.803,34                                                                            |
| 5200005937      | 28.02.2017   | 561.139,50                                                                             |
| 5200006480      | 01.03.2017   | -561.139,50                                                                            |
| 5200001325      | 31.01.2014   | 560.096,51                                                                             |
| 5200001697      | 01.02.2014   | -560.096,51                                                                            |
| 2726347         | 31.08.1996   | 558.146,80                                                                             |
| 2726354         | 04.09.1996   | -558.146,80                                                                            |
| 5200034486      | 31.12.2016   | 555.608,16                                                                             |
| 5200000582      | 01.01.2017   | -555.608,16                                                                            |
| 5200018206      | 30.06.2013   | 553.731,97                                                                             |
| 5200018606      | 01.07.2013   | -553.731,97                                                                            |
| 2772076         | 31.07.1999   | 550.287,84                                                                             |
| 2772083         | 04.08.1999   | -550.287,84                                                                            |
| 5200014644      | 30.06.2012   | 547.251,21                                                                             |
| 5200014934      | 01.07.2012   | -547.251,21                                                                            |
| 2784063         | 31.05.2000   | 544.754,71                                                                             |
| 2784056         | 07.06.2000   | -544.754,71                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200017669      | 31.05.2017   | 544.742,40                                                                             |
| 5200018230      | 01.06.2017   | -544.742,40                                                                            |
| 5200021079      | 31.07.2013   | 538.357,92                                                                             |
| 5200021436      | 01.08.2013   | -538.357,92                                                                            |
| 5200020880      | 31.08.2014   | 538.216,30                                                                             |
| 5200021313      | 01.09.2014   | -538.216,30                                                                            |
| 5200012468      | 31.05.2014   | 534.605,04                                                                             |
| 5200012915      | 01.06.2014   | -534.605,04                                                                            |
| 5200002998      | 31.01.2013   | 531.984,04                                                                             |
| 5200003340      | 01.02.2013   | -531.984,04                                                                            |
| 5200011823      | 30.04.2015   | 531.199,22                                                                             |
| 5200012237      | 01.05.2015   | -531.199,22                                                                            |
| 5200007022      | 31.03.2014   | 530.894,34                                                                             |
| 5200007428      | 01.04.2014   | -530.894,34                                                                            |
| 5200018394      | 30.06.2013   | 528.570,17                                                                             |
| 5200018793      | 01.07.2013   | -528.570,17                                                                            |
| 5200006106      | 30.09.2001   | 527.253,85                                                                             |
| 5200006133      | 01.10.2001   | -527.253,85                                                                            |
| 5200014732      | 31.05.2015   | 527.025,24                                                                             |
| 5200015123      | 01.06.2015   | -527.025,24                                                                            |
| 5200005312      | 29.02.2016   | 522.464,37                                                                             |
| 5200005832      | 01.03.2016   | -522.464,37                                                                            |
| 5200007356      | 28.02.2013   | 518.759,79                                                                             |
| 5200007689      | 01.03.2013   | -518.759,79                                                                            |
| 2786253         | 31.07.2000   | 518.079,11                                                                             |
| 2786260         | 03.08.2000   | -518.079,11                                                                            |
| 2788552         | 30.09.2000   | 517.989,97                                                                             |
| 2788559         | 05.10.2000   | -517.989,97                                                                            |
| 5200015193      | 30.06.2014   | 517.086,36                                                                             |
| 5200015623      | 01.07.2014   | -517.086,36                                                                            |
| 5200026423      | 30.09.2013   | 514.978,88                                                                             |
| 5200026792      | 01.10.2013   | -514.978,88                                                                            |
| 5200004053      | 29.02.2012   | 514.069,45                                                                             |
| 5200004325      | 01.03.2012   | -514.069,45                                                                            |
| 2703057         | 31.01.2001   | 513.341,33                                                                             |
| 2703065         | 05.02.2001   | -513.341,33                                                                            |
| 2741296         | 30.06.1997   | 512.551,95                                                                             |
| 2741303         | 03.07.1997   | -512.551,95                                                                            |
| 5200014703      | 31.12.2002   | 510.451,43                                                                             |
| 5200000479      | 01.01.2003   | -510.451,43                                                                            |
| 5200011970      | 31.05.2012   | 510.427,69                                                                             |
| 5200012244      | 01.06.2012   | -510.427,69                                                                            |
| 5200004410      | 28.02.2015   | 508.066,50                                                                             |
| 5200004841      | 01.03.2015   | -508.066,50                                                                            |
| 2786256         | 31.07.2000   | 508.010,27                                                                             |
| 2786263         | 03.08.2000   | -508.010,27                                                                            |
| 5200005304      | 29.02.2016   | 506.799,95                                                                             |
| 5200005824      | 01.03.2016   | -506.799,95                                                                            |
| 5200005932      | 28.02.2017   | 506.464,93                                                                             |
| 5200006475      | 01.03.2017   | -506.464,93                                                                            |
| 2713384         | 30.09.1995   | 506.399,97                                                                             |
| 2713410         | 05.10.1995   | -506.399,97                                                                            |
| 5200005640      | 31.08.2001   | 505.942,09                                                                             |
| 5200005666      | 01.09.2001   | -505.942,09                                                                            |
| 5200004038      | 28.02.2014   | 502.500,04                                                                             |
| 5200004439      | 01.03.2014   | -502.500,04                                                                            |
| 2785104         | 30.06.2000   | 502.111,56                                                                             |
| 2785111         | 05.07.2000   | -502.111,56                                                                            |
| 5000001451      | 30.09.2017   | 500.000,00                                                                             |
| 5000002134      | 31.12.2017   | 500.000,00                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004236      | 31.07.2001   | 495.254,37                                                                             |
| 5200004263      | 01.08.2001   | -495.254,37                                                                            |
| 5200020877      | 31.08.2014   | 493.212,13                                                                             |
| 5200021310      | 01.09.2014   | -493.212,13                                                                            |
| 5200009789      | 30.04.2014   | 492.508,18                                                                             |
| 5200010211      | 01.05.2014   | -492.508,18                                                                            |
| 5200014723      | 31.05.2015   | 490.534,29                                                                             |
| 5200015114      | 01.06.2015   | -490.534,29                                                                            |
| 5200010699      | 30.04.2016   | 490.334,18                                                                             |
| 5200011183      | 01.05.2016   | -490.334,18                                                                            |
| 5200010207      | 31.03.2013   | 487.766,37                                                                             |
| 5200010550      | 01.04.2013   | -487.766,37                                                                            |
| 5200021374      | 30.06.2017   | 484.117,75                                                                             |
| 5200021932      | 01.07.2017   | -484.117,75                                                                            |
| 5200032551      | 30.11.2016   | 482.042,05                                                                             |
| 5200033018      | 01.12.2016   | -482.042,05                                                                            |
| 5200002211      | 31.01.2012   | 481.384,86                                                                             |
| 5200002454      | 01.02.2012   | -481.384,86                                                                            |
| 5200004413      | 28.02.2015   | 481.226,48                                                                             |
| 5200004844      | 01.03.2015   | -481.226,48                                                                            |
| 5200009097      | 31.03.2017   | 481.006,54                                                                             |
| 5200009636      | 01.04.2017   | -481.006,54                                                                            |
| 2752214         | 31.03.1998   | 480.694,05                                                                             |
| 2752222         | 03.04.1998   | -480.694,05                                                                            |
| 2763339         | 31.12.1998   | 476.510,77                                                                             |
| 2763346         | 06.01.1999   | -476.510,77                                                                            |
| 5200007365      | 28.02.2013   | 475.052,68                                                                             |
| 5200007698      | 01.03.2013   | -475.052,68                                                                            |
| 5200023589      | 30.09.2014   | 472.780,17                                                                             |
| 5200023914      | 01.10.2014   | -472.780,17                                                                            |
| 5200012262      | 31.05.2014   | 469.893,29                                                                             |
| 5200012709      | 01.06.2014   | -469.893,29                                                                            |
| 5200009108      | 31.03.2017   | 469.561,52                                                                             |
| 5200009647      | 01.04.2017   | -469.561,52                                                                            |
| 5200010208      | 31.03.2013   | 468.584,00                                                                             |
| 5200010551      | 01.04.2013   | -468.584,00                                                                            |
| 5200006808      | 31.03.2014   | 468.576,07                                                                             |
| 5200007214      | 01.04.2014   | -468.576,07                                                                            |
| 5000002005      | 18.12.2017   | -466.491,30                                                                            |
| 5200031907      | 30.11.2015   | 466.237,70                                                                             |
| 5200032310      | 01.12.2015   | -466.237,70                                                                            |
| 5200013744      | 31.10.2001   | 465.254,79                                                                             |
| 5200013782      | 01.11.2001   | -465.254,79                                                                            |
| 2748429         | 31.12.1997   | 464.844,14                                                                             |
| 2748436         | 05.01.1998   | -464.844,14                                                                            |
| 5200036265      | 30.11.2001   | 464.670,51                                                                             |
| 5200036291      | 01.12.2001   | -464.670,51                                                                            |
| 2771247         | 30.06.1999   | 461.900,17                                                                             |
| 2771254         | 05.07.1999   | -461.900,17                                                                            |
| 5200005737      | 31.05.2003   | 457.906,77                                                                             |
| 5200005764      | 01.06.2003   | -457.906,77                                                                            |
| 5200022115      | 30.09.2012   | 457.895,79                                                                             |
| 5200022409      | 01.10.2012   | -457.895,79                                                                            |
| 2777067         | 30.11.1999   | 456.064,03                                                                             |
| 2777074         | 03.12.1999   | -456.064,03                                                                            |
| 5200023689      | 31.08.2013   | 451.687,52                                                                             |
| 5200024042      | 01.09.2013   | -451.687,52                                                                            |
| 5200007660      | 31.03.2015   | 446.301,31                                                                             |
| 5200008064      | 01.04.2015   | -446.301,31                                                                            |
| 5200020090      | 31.08.2012   | 445.389,55                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020376      | 01.09.2012   | -445.389,55                                                                            |
| 5200026211      | 31.10.2014   | 444.715,56                                                                             |
| 5200026564      | 01.11.2014   | -444.715,56                                                                            |
| 5200004048      | 29.02.2012   | 443.487,33                                                                             |
| 5200004320      | 01.03.2012   | -443.487,33                                                                            |
| 5200004256      | 28.02.2014   | 443.145,86                                                                             |
| 5200004657      | 01.03.2014   | -443.145,86                                                                            |
| 5200037325      | 31.12.2001   | 441.985,86                                                                             |
| 5200000573      | 01.01.2002   | -441.985,86                                                                            |
| 5200024393      | 31.07.2017   | 440.296,80                                                                             |
| 5200024942      | 01.08.2017   | -440.296,80                                                                            |
| 2787426         | 31.08.2000   | 440.200,45                                                                             |
| 2787433         | 05.09.2000   | -440.200,45                                                                            |
| 5200008365      | 31.03.2016   | 438.480,40                                                                             |
| 5200008854      | 01.04.2016   | -438.480,40                                                                            |
| 2774685         | 30.09.1999   | 438.326,12                                                                             |
| 2774693         | 05.10.1999   | -438.326,12                                                                            |
| 2750417         | 28.02.1998   | 438.187,79                                                                             |
| 2750424         | 04.03.1998   | -438.187,79                                                                            |
| 5200042421      | 31.12.2017   | 437.952,52                                                                             |
| 5200033790      | 31.12.2013   | 437.158,40                                                                             |
| 5200000484      | 01.01.2014   | -437.158,40                                                                            |
| 5200006801      | 31.03.2014   | 436.750,87                                                                             |
| 5200007207      | 01.04.2014   | -436.750,87                                                                            |
| 2773436         | 31.08.1999   | 434.004,17                                                                             |
| 2773443         | 03.09.1999   | -434.004,17                                                                            |
| 5200028971      | 31.10.2015   | 432.215,54                                                                             |
| 5200029379      | 01.11.2015   | -432.215,54                                                                            |
| 5200029065      | 31.10.2013   | 431.196,55                                                                             |
| 5200029407      | 01.11.2013   | -431.196,55                                                                            |
| 5200002208      | 31.01.2012   | 430.398,02                                                                             |
| 5200002451      | 01.02.2012   | -430.398,02                                                                            |
| 5200008925      | 30.04.2012   | 426.927,26                                                                             |
| 5200009203      | 01.05.2012   | -426.927,26                                                                            |
| 5200031663      | 30.11.2013   | 424.855,50                                                                             |
| 5200032019      | 01.12.2013   | -424.855,50                                                                            |
| 5200021162      | 31.07.2013   | 424.818,50                                                                             |
| 5200021519      | 01.08.2013   | -424.818,50                                                                            |
| 5200023771      | 31.08.2013   | 424.810,98                                                                             |
| 5200024124      | 01.09.2013   | -424.810,98                                                                            |
| 5200029134      | 31.10.2013   | 424.717,44                                                                             |
| 5200029476      | 01.11.2013   | -424.717,44                                                                            |
| 5200026488      | 30.09.2013   | 424.714,38                                                                             |
| 5200026857      | 01.10.2013   | -424.714,38                                                                            |
| 2753347         | 30.04.1998   | 424.488,91                                                                             |
| 2753354         | 06.05.1998   | -424.488,91                                                                            |
| 5200018290      | 30.06.2013   | 424.108,92                                                                             |
| 5200018690      | 01.07.2013   | -424.108,92                                                                            |
| 5200015557      | 31.05.2013   | 423.502,32                                                                             |
| 5200015917      | 01.06.2013   | -423.502,32                                                                            |
| 5200012981      | 30.04.2013   | 423.465,11                                                                             |
| 5200013332      | 01.05.2013   | -423.465,11                                                                            |
| 5200031834      | 30.09.2017   | 422.859,73                                                                             |
| 5200032392      | 01.10.2017   | -422.859,73                                                                            |
| 2749628         | 31.01.1998   | 421.681,09                                                                             |
| 2749635         | 04.02.1998   | -421.681,09                                                                            |
| 5200004237      | 31.07.2001   | 419.302,39                                                                             |
| 5200004264      | 01.08.2001   | -419.302,39                                                                            |
| 2729867         | 30.11.1996   | 417.422,40                                                                             |
| 2729875         | 04.12.1996   | -417.422,40                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014376      | 31.05.2016   | 412.922,14                                                                             |
| 5200014851      | 01.06.2016   | -412.922,14                                                                            |
| 5200017454      | 31.07.2012   | 409.790,38                                                                             |
| 5200017740      | 01.08.2012   | -409.790,38                                                                            |
| 5200002683      | 31.01.2017   | 409.569,29                                                                             |
| 5200003233      | 01.02.2017   | -409.569,29                                                                            |
| 5200018213      | 30.06.2013   | 405.357,90                                                                             |
| 5200018613      | 01.07.2013   | -405.357,90                                                                            |
| 5200011968      | 31.05.2012   | 404.792,71                                                                             |
| 5200012242      | 01.06.2012   | -404.792,71                                                                            |
| 5200025784      | 31.10.2012   | 402.953,36                                                                             |
| 5200026089      | 01.11.2012   | -402.953,36                                                                            |
| 2705426         | 31.03.2001   | 402.284,86                                                                             |
| 2705434         | 04.04.2001   | -402.284,86                                                                            |
| 5200031587      | 30.11.2013   | 400.502,07                                                                             |
| 5200031943      | 01.12.2013   | -400.502,07                                                                            |
| 5200008921      | 30.04.2012   | 399.792,01                                                                             |
| 5200009199      | 01.05.2012   | -399.792,01                                                                            |
| 5200020138      | 31.07.2015   | 399.504,99                                                                             |
| 5200020506      | 01.08.2015   | -399.504,99                                                                            |
| 5200001333      | 31.01.2014   | 397.807,85                                                                             |
| 5200001705      | 01.02.2014   | -397.807,85                                                                            |
| 2782812         | 30.04.2000   | 397.400,53                                                                             |
| 2782805         | 04.05.2000   | -397.400,53                                                                            |
| 2782809         | 30.04.2000   | 396.244,10                                                                             |
| 2782802         | 04.05.2000   | -396.244,10                                                                            |
| 2773439         | 31.08.1999   | 394.675,78                                                                             |
| 2773446         | 03.09.1999   | -394.675,78                                                                            |
| 2780134         | 29.02.2000   | 394.121,92                                                                             |
| 2780141         | 03.03.2000   | -394.121,92                                                                            |
| 2771250         | 30.06.1999   | 393.008,87                                                                             |
| 2771257         | 05.07.1999   | -393.008,87                                                                            |
| 2743646         | 31.08.1997   | 392.578,26                                                                             |
| 2743653         | 03.09.1997   | -392.578,26                                                                            |
| 2746017         | 31.10.1997   | 391.861,20                                                                             |
| 2746024         | 05.11.1997   | -391.861,20                                                                            |
| 5200031593      | 30.11.2013   | 391.655,06                                                                             |
| 5200031949      | 01.12.2013   | -391.655,06                                                                            |
| 5200026157      | 30.09.2015   | 390.527,92                                                                             |
| 5200026572      | 01.10.2015   | -390.527,92                                                                            |
| 5200003135      | 30.06.2001   | 390.468,48                                                                             |
| 5200003172      | 01.07.2001   | -390.468,48                                                                            |
| 5200012333      | 31.05.2014   | 387.393,11                                                                             |
| 5200012780      | 01.06.2014   | -387.393,11                                                                            |
| 2738059         | 31.03.1997   | 387.058,81                                                                             |
| 2738066         | 03.04.1997   | -387.058,81                                                                            |
| 2706978         | 28.02.1995   | 387.040,12                                                                             |
| 2706999         | 07.03.1995   | -387.040,12                                                                            |
| 5200001487      | 31.01.2016   | 385.932,39                                                                             |
| 5200001978      | 01.02.2016   | -385.932,39                                                                            |
| 5200018207      | 30.06.2013   | 384.689,15                                                                             |
| 5200018607      | 01.07.2013   | -384.689,15                                                                            |
| 5200012906      | 30.04.2013   | 382.650,28                                                                             |
| 5200013257      | 01.05.2013   | -382.650,28                                                                            |
| 2706973         | 28.02.1995   | 381.500,22                                                                             |
| 2706994         | 07.03.1995   | -381.500,22                                                                            |
| 5200020150      | 31.07.2015   | 380.802,51                                                                             |
| 5200020518      | 01.08.2015   | -380.802,51                                                                            |
| 2756999         | 31.07.1998   | 379.290,66                                                                             |
| 2757006         | 05.08.1998   | -379.290,66                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2705208         | 31.12.1994   | 378.163,56                                                                             |
| 2705228         | 02.01.1995   | -378.163,56                                                                            |
| 5200018159      | 31.07.2014   | 372.293,69                                                                             |
| 5200018582      | 01.08.2014   | -372.293,69                                                                            |
| 2715385         | 30.11.1995   | 372.125,86                                                                             |
| 2715392         | 05.12.1995   | -372.125,86                                                                            |
| 5200029057      | 31.10.2013   | 371.989,90                                                                             |
| 5200029399      | 01.11.2013   | -371.989,90                                                                            |
| 5200018148      | 31.07.2014   | 371.023,47                                                                             |
| 5200018571      | 01.08.2014   | -371.023,47                                                                            |
| 2721613         | 30.04.1996   | 371.006,44                                                                             |
| 2721620         | 06.05.1996   | -371.006,44                                                                            |
| 5200003007      | 31.01.2013   | 367.269,47                                                                             |
| 5200003349      | 01.02.2013   | -367.269,47                                                                            |
| 5200023697      | 31.08.2013   | 367.209,66                                                                             |
| 5200024050      | 01.09.2013   | -367.209,66                                                                            |
| 5200026159      | 31.10.2014   | 367.076,44                                                                             |
| 5200026512      | 01.11.2014   | -367.076,44                                                                            |
| 5200029059      | 31.10.2013   | 366.958,68                                                                             |
| 5200029401      | 01.11.2013   | -366.958,68                                                                            |
| 2723832         | 30.06.1996   | 366.885,99                                                                             |
| 2723839         | 03.07.1996   | -366.885,99                                                                            |
| 5200001326      | 31.01.2014   | 366.856,58                                                                             |
| 5200001698      | 01.02.2014   | -366.856,58                                                                            |
| 5200002999      | 31.01.2013   | 366.030,92                                                                             |
| 5200003341      | 01.02.2013   | -366.030,92                                                                            |
| 5200026420      | 30.09.2013   | 365.291,22                                                                             |
| 5200026789      | 01.10.2013   | -365.291,22                                                                            |
| 5200029560      | 31.10.2016   | 364.370,14                                                                             |
| 5200030011      | 01.11.2016   | -364.370,14                                                                            |
| 2742538         | 31.07.1997   | 364.368,17                                                                             |
| 2742545         | 05.08.1997   | -364.368,17                                                                            |
| 5200008375      | 31.03.2016   | 363.951,49                                                                             |
| 5200008864      | 01.04.2016   | -363.951,49                                                                            |
| 5200008396      | 31.03.2016   | 363.724,64                                                                             |
| 5200008885      | 01.04.2016   | -363.724,64                                                                            |
| 2753350         | 30.04.1998   | 362.416,88                                                                             |
| 2753357         | 06.05.1998   | -362.416,88                                                                            |
| 2703061         | 31.01.2001   | 361.761,13                                                                             |
| 2703069         | 05.02.2001   | -361.761,13                                                                            |
| 5200017662      | 31.05.2017   | 360.792,52                                                                             |
| 5200018223      | 01.06.2017   | -360.792,52                                                                            |
| 2758179         | 31.08.1998   | 360.130,33                                                                             |
| 2758186         | 03.09.1998   | -360.130,33                                                                            |
| 5200020869      | 31.08.2014   | 357.804,91                                                                             |
| 5200021302      | 01.09.2014   | -357.804,91                                                                            |
| 5200005659      | 31.08.2001   | 355.975,08                                                                             |
| 5200005685      | 01.09.2001   | -355.975,08                                                                            |
| 2777064         | 30.11.1999   | 354.154,36                                                                             |
| 2777071         | 03.12.1999   | -354.154,36                                                                            |
| 2725116         | 31.07.1996   | 353.663,32                                                                             |
| 2725123         | 05.08.1996   | -353.663,32                                                                            |
| 5200028971      | 30.11.2014   | 353.332,72                                                                             |
| 5200029335      | 01.12.2014   | -353.332,72                                                                            |
| 5200031915      | 30.11.2015   | 353.091,57                                                                             |
| 5200032318      | 01.12.2015   | -353.091,57                                                                            |
| 5200028810      | 30.11.2014   | 352.350,63                                                                             |
| 5200029174      | 01.12.2014   | -352.350,63                                                                            |
| 5200006762      | 30.06.2003   | 351.429,72                                                                             |
| 5200006788      | 01.07.2003   | -351.429,72                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2747241         | 30.11.1997   | 350.235,28                                                                             |
| 2747248         | 03.12.1997   | -350.235,28                                                                            |
| 2787429         | 31.08.2000   | 350.227,58                                                                             |
| 2787436         | 05.09.2000   | -350.227,58                                                                            |
| 2780137         | 29.02.2000   | 349.647,91                                                                             |
| 2780144         | 03.03.2000   | -349.647,91                                                                            |
| 2732315         | 31.01.1997   | 349.588,95                                                                             |
| 2732322         | 05.02.1997   | -349.588,95                                                                            |
| 5200028813      | 30.11.2014   | 348.952,85                                                                             |
| 5200029177      | 01.12.2014   | -348.952,85                                                                            |
| 5200006802      | 31.03.2014   | 348.546,21                                                                             |
| 5200007208      | 01.04.2014   | -348.546,21                                                                            |
| 5200033760      | 31.12.2015   | 348.208,23                                                                             |
| 5200000474      | 01.01.2016   | -348.208,23                                                                            |
| 5200017447      | 31.07.2012   | 347.581,34                                                                             |
| 5200017733      | 01.08.2012   | -347.581,34                                                                            |
| 5200007659      | 31.03.2015   | 347.488,30                                                                             |
| 5200008063      | 01.04.2015   | -347.488,30                                                                            |
| 5200017441      | 30.06.2015   | 346.759,17                                                                             |
| 5200017794      | 01.07.2015   | -346.759,17                                                                            |
| 5200004036      | 28.02.2014   | 346.544,49                                                                             |
| 5200004437      | 01.03.2014   | -346.544,49                                                                            |
| 5200004416      | 28.02.2015   | 346.238,97                                                                             |
| 5200004847      | 01.03.2015   | -346.238,97                                                                            |
| 5200040113      | 30.11.2017   | 344.494,17                                                                             |
| 5200040663      | 01.12.2017   | -344.494,17                                                                            |
| 5200026162      | 31.10.2014   | 342.292,25                                                                             |
| 5200026515      | 01.11.2014   | -342.292,25                                                                            |
| 5200021074      | 31.08.2014   | 340.606,12                                                                             |
| 5200021507      | 01.09.2014   | -340.606,12                                                                            |
| 5200001498      | 31.01.2016   | 339.534,53                                                                             |
| 5200001989      | 01.02.2016   | -339.534,53                                                                            |
| 5200026144      | 30.09.2015   | 339.524,93                                                                             |
| 5200026559      | 01.10.2015   | -339.524,93                                                                            |
| 5200020137      | 31.07.2015   | 339.507,93                                                                             |
| 5200022899      | 31.08.2015   | 339.507,93                                                                             |
| 5200028966      | 31.10.2015   | 339.507,93                                                                             |
| 5200031902      | 30.11.2015   | 339.507,93                                                                             |
| 5200033755      | 31.12.2015   | 339.507,93                                                                             |
| 5200001484      | 31.01.2016   | 339.507,93                                                                             |
| 5200005299      | 29.02.2016   | 339.507,93                                                                             |
| 5200008382      | 31.03.2016   | 339.507,93                                                                             |
| 5200010705      | 30.04.2016   | 339.507,93                                                                             |
| 5200014382      | 31.05.2016   | 339.507,93                                                                             |
| 5200016653      | 30.06.2016   | 339.507,93                                                                             |
| 5200020388      | 31.07.2016   | 339.507,93                                                                             |
| 5200023351      | 31.08.2016   | 339.507,93                                                                             |
| 5200026527      | 30.09.2016   | 339.507,93                                                                             |
| 5200029575      | 31.10.2016   | 339.507,93                                                                             |
| 5200032557      | 30.11.2016   | 339.507,93                                                                             |
| 5200034505      | 31.12.2016   | 339.507,93                                                                             |
| 5200002701      | 31.01.2017   | 339.507,93                                                                             |
| 5200005945      | 28.02.2017   | 339.507,93                                                                             |
| 5200009114      | 31.03.2017   | 339.507,93                                                                             |
| 5200013661      | 30.04.2017   | 339.507,93                                                                             |
| 5200017680      | 31.05.2017   | 339.507,93                                                                             |
| 5200021392      | 30.06.2017   | 339.507,93                                                                             |
| 5200024412      | 31.07.2017   | 339.507,93                                                                             |
| 5200028154      | 31.08.2017   | 339.507,93                                                                             |
| 5200031846      | 30.09.2017   | 339.507,93                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200035520      | 31.10.2017   | 339.507,93                                                                             |
| 5200040125      | 30.11.2017   | 339.507,93                                                                             |
| 5200042440      | 31.12.2017   | 339.507,93                                                                             |
| 5200020505      | 01.08.2015   | -339.507,93                                                                            |
| 5200023279      | 01.09.2015   | -339.507,93                                                                            |
| 5200029374      | 01.11.2015   | -339.507,93                                                                            |
| 5200032305      | 01.12.2015   | -339.507,93                                                                            |
| 5200000469      | 01.01.2016   | -339.507,93                                                                            |
| 5200001975      | 01.02.2016   | -339.507,93                                                                            |
| 5200005819      | 01.03.2016   | -339.507,93                                                                            |
| 5200008871      | 01.04.2016   | -339.507,93                                                                            |
| 5200011189      | 01.05.2016   | -339.507,93                                                                            |
| 5200014857      | 01.06.2016   | -339.507,93                                                                            |
| 5200017114      | 01.07.2016   | -339.507,93                                                                            |
| 5200020858      | 01.08.2016   | -339.507,93                                                                            |
| 5200023814      | 01.09.2016   | -339.507,93                                                                            |
| 5200026983      | 01.10.2016   | -339.507,93                                                                            |
| 5200030026      | 01.11.2016   | -339.507,93                                                                            |
| 5200033024      | 01.12.2016   | -339.507,93                                                                            |
| 5200000601      | 01.01.2017   | -339.507,93                                                                            |
| 5200003251      | 01.02.2017   | -339.507,93                                                                            |
| 5200006488      | 01.03.2017   | -339.507,93                                                                            |
| 5200009653      | 01.04.2017   | -339.507,93                                                                            |
| 5200014218      | 01.05.2017   | -339.507,93                                                                            |
| 5200018241      | 01.06.2017   | -339.507,93                                                                            |
| 5200021950      | 01.07.2017   | -339.507,93                                                                            |
| 5200024961      | 01.08.2017   | -339.507,93                                                                            |
| 5200028716      | 01.09.2017   | -339.507,93                                                                            |
| 5200032404      | 01.10.2017   | -339.507,93                                                                            |
| 5200036076      | 01.11.2017   | -339.507,93                                                                            |
| 5200040675      | 01.12.2017   | -339.507,93                                                                            |
| 2714365         | 01.11.1995   | 339.460,24                                                                             |
| 2714343         | 03.11.1995   | -339.460,24                                                                            |
| 5200028597      | 30.11.2012   | 335.743,28                                                                             |
| 5200028906      | 01.12.2012   | -335.743,28                                                                            |
| 5200015483      | 31.05.2013   | 334.847,97                                                                             |
| 5200015843      | 01.06.2013   | -334.847,97                                                                            |
| 5200023546      | 30.09.2014   | 334.432,17                                                                             |
| 5200023871      | 01.10.2014   | -334.432,17                                                                            |
| 2775768         | 31.10.1999   | 331.607,82                                                                             |
| 2775775         | 03.11.1999   | -331.607,82                                                                            |
| 5200010205      | 31.03.2013   | 330.926,27                                                                             |
| 5200010548      | 01.04.2013   | -330.926,27                                                                            |
| 5200031152      | 31.12.2014   | 329.774,07                                                                             |
| 5200000479      | 01.01.2015   | -329.774,07                                                                            |
| 5200028979      | 31.10.2015   | 329.326,76                                                                             |
| 5200029387      | 01.11.2015   | -329.326,76                                                                            |
| 5200017442      | 30.06.2015   | 329.163,22                                                                             |
| 5200017795      | 01.07.2015   | -329.163,22                                                                            |
| 5200032001      | 30.11.2015   | 329.155,19                                                                             |
| 5200032404      | 01.12.2015   | -329.155,19                                                                            |
| 5200033787      | 31.12.2013   | 327.937,09                                                                             |
| 5200000481      | 01.01.2014   | -327.937,09                                                                            |
| 5200017453      | 30.06.2015   | 326.616,57                                                                             |
| 5200017806      | 01.07.2015   | -326.616,57                                                                            |
| 5200031149      | 31.12.2014   | 326.111,79                                                                             |
| 5200000476      | 01.01.2015   | -326.111,79                                                                            |
| 5200028969      | 31.10.2015   | 325.190,36                                                                             |
| 5200029377      | 01.11.2015   | -325.190,36                                                                            |
| 5200035504      | 31.10.2017   | 324.877,00                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200036060      | 01.11.2017   | -324.877,00                                                                            |
| 5200030970      | 31.12.2012   | 322.825,19                                                                             |
| 5200000587      | 01.01.2013   | -322.825,19                                                                            |
| 2711527         | 31.07.1995   | 322.808,80                                                                             |
| 2711552         | 03.08.1995   | -322.808,80                                                                            |
| 2788555         | 30.09.2000   | 321.587,98                                                                             |
| 2788562         | 05.10.2000   | -321.587,98                                                                            |
| 5200024397      | 31.07.2017   | 321.189,25                                                                             |
| 5200024946      | 01.08.2017   | -321.189,25                                                                            |
| 5200040109      | 30.11.2017   | 321.026,09                                                                             |
| 5200040659      | 01.12.2017   | -321.026,09                                                                            |
| 5200005745      | 30.04.2002   | 320.496,31                                                                             |
| 5200005768      | 01.05.2002   | -320.496,31                                                                            |
| 5200001507      | 31.01.2014   | 319.719,19                                                                             |
| 5200001879      | 01.02.2014   | -319.719,19                                                                            |
| 2701893         | 31.12.2000   | 316.992,48                                                                             |
| 2701885         | 04.01.2001   | -316.992,48                                                                            |
| 5200021378      | 30.06.2017   | 315.994,75                                                                             |
| 5200021936      | 01.07.2017   | -315.994,75                                                                            |
| 5200040105      | 30.11.2017   | 314.539,33                                                                             |
| 5200040655      | 01.12.2017   | -314.539,33                                                                            |
| 5200002116      | 31.01.2015   | 313.412,73                                                                             |
| 5200002540      | 01.02.2015   | -313.412,73                                                                            |
| 5200011975      | 31.05.2012   | 312.946,85                                                                             |
| 5200012249      | 01.06.2012   | -312.946,85                                                                            |
| 2739059         | 30.04.1997   | 312.729,31                                                                             |
| 2739066         | 06.05.1997   | -312.729,31                                                                            |
| 5200004253      | 28.02.2014   | 311.613,20                                                                             |
| 5200004654      | 01.03.2014   | -311.613,20                                                                            |
| 5200005302      | 29.02.2016   | 310.518,60                                                                             |
| 5200005822      | 01.03.2016   | -310.518,60                                                                            |
| 5200023877      | 31.08.2013   | 307.649,56                                                                             |
| 5200024230      | 01.09.2013   | -307.649,56                                                                            |
| 2744851         | 30.09.1997   | 306.937,40                                                                             |
| 2744858         | 06.10.1997   | -306.937,40                                                                            |
| 5200001727      | 31.05.2001   | 304.763,16                                                                             |
| 5200001754      | 01.06.2001   | -304.763,16                                                                            |
| 5200000026      | 30.04.2001   | 304.682,53                                                                             |
| 5200000053      | 01.05.2001   | -304.682,53                                                                            |
| 2762081         | 30.11.1998   | 304.267,67                                                                             |
| 2762088         | 03.12.1998   | -304.267,67                                                                            |
| 5200033768      | 31.12.2015   | 304.216,52                                                                             |
| 5200000482      | 01.01.2016   | -304.216,52                                                                            |
| 2748431         | 31.12.1997   | 303.617,25                                                                             |
| 2748438         | 05.01.1998   | -303.617,25                                                                            |
| 5200025789      | 31.10.2012   | 303.536,51                                                                             |
| 5200026094      | 01.11.2012   | -303.536,51                                                                            |
| 2778224         | 31.12.1999   | 303.273,70                                                                             |
| 2778231         | 05.01.2000   | -303.273,70                                                                            |
| 5200028592      | 30.11.2012   | 302.024,61                                                                             |
| 5200028901      | 01.12.2012   | -302.024,61                                                                            |
| 5200007653      | 31.03.2015   | 301.749,23                                                                             |
| 5200008057      | 01.04.2015   | -301.749,23                                                                            |
| 5200036266      | 30.11.2001   | 300.141,65                                                                             |
| 5200036292      | 01.12.2001   | -300.141,65                                                                            |
| 5200010214      | 31.03.2013   | 298.848,03                                                                             |
| 5200010557      | 01.04.2013   | -298.848,03                                                                            |
| 5200017666      | 31.05.2017   | 298.729,92                                                                             |
| 5200018227      | 01.06.2017   | -298.729,92                                                                            |
| 5200009562      | 30.04.2014   | 298.692,54                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200009984      | 01.05.2014   | -298.692,54                                                                            |
| 5200008931      | 31.08.2003   | 297.913,58                                                                             |
| 5200008957      | 01.09.2003   | -297.913,58                                                                            |
| 5200020942      | 31.08.2014   | 297.554,85                                                                             |
| 5200021375      | 01.09.2014   | -297.554,85                                                                            |
| 5200011967      | 31.05.2012   | 297.467,49                                                                             |
| 5200012241      | 01.06.2012   | -297.467,49                                                                            |
| 5200029064      | 31.10.2013   | 295.312,22                                                                             |
| 5200029406      | 01.11.2013   | -295.312,22                                                                            |
| 2752218         | 31.03.1998   | 295.295,54                                                                             |
| 2752226         | 03.04.1998   | -295.295,54                                                                            |
| 5200031757      | 30.11.2013   | 295.170,12                                                                             |
| 5200032113      | 01.12.2013   | -295.170,12                                                                            |
| 2729871         | 30.11.1996   | 294.339,52                                                                             |
| 2729879         | 04.12.1996   | -294.339,52                                                                            |
| 5200004047      | 29.02.2012   | 293.199,88                                                                             |
| 5200004319      | 01.03.2012   | -293.199,88                                                                            |
| 5200014649      | 30.06.2012   | 292.778,22                                                                             |
| 5200014939      | 01.07.2012   | -292.778,22                                                                            |
| 5200028864      | 30.11.2014   | 292.682,55                                                                             |
| 5200029228      | 01.12.2014   | -292.682,55                                                                            |
| 5200017454      | 30.06.2015   | 292.387,11                                                                             |
| 5200017807      | 01.07.2015   | -292.387,11                                                                            |
| 5200013768      | 31.10.2001   | 292.180,34                                                                             |
| 5200013806      | 01.11.2001   | -292.180,34                                                                            |
| 5200003147      | 30.06.2001   | 291.277,37                                                                             |
| 5200003184      | 01.07.2001   | -291.277,37                                                                            |
| 2728658         | 31.10.1996   | 291.139,53                                                                             |
| 2728666         | 05.11.1996   | -291.139,53                                                                            |
| 5200006803      | 31.03.2014   | 291.075,56                                                                             |
| 5200007209      | 01.04.2014   | -291.075,56                                                                            |
| 5200023679      | 30.09.2014   | 289.062,04                                                                             |
| 5200024004      | 01.10.2014   | -289.062,04                                                                            |
| 2781746         | 31.03.2000   | 288.047,26                                                                             |
| 2781753         | 05.04.2000   | -288.047,26                                                                            |
| 5200020204      | 31.07.2015   | 287.149,84                                                                             |
| 5200020572      | 01.08.2015   | -287.149,84                                                                            |
| 5200042425      | 31.12.2017   | 285.935,64                                                                             |
| 5200031585      | 30.11.2013   | 285.864,96                                                                             |
| 5200031941      | 01.12.2013   | -285.864,96                                                                            |
| 5200034494      | 31.12.2016   | 285.660,89                                                                             |
| 5200000590      | 01.01.2017   | -285.660,89                                                                            |
| 5200034497      | 31.12.2016   | 284.362,96                                                                             |
| 5200000593      | 01.01.2017   | -284.362,96                                                                            |
| 5200023543      | 30.09.2014   | 284.275,90                                                                             |
| 5200023868      | 01.10.2014   | -284.275,90                                                                            |
| 2769781         | 31.05.1999   | 282.828,81                                                                             |
| 2769788         | 07.06.1999   | -282.828,81                                                                            |
| 2767405         | 31.03.1999   | 281.617,54                                                                             |
| 2767412         | 07.04.1999   | -281.617,54                                                                            |
| 5200010696      | 30.04.2016   | 281.199,50                                                                             |
| 5200011180      | 01.05.2016   | -281.199,50                                                                            |
| 5200010708      | 30.04.2016   | 280.869,40                                                                             |
| 5200011192      | 01.05.2016   | -280.869,40                                                                            |
| 2778935         | 31.01.2000   | 277.812,46                                                                             |
| 2778942         | 03.02.2000   | -277.812,46                                                                            |
| 2768386         | 30.04.1999   | 277.607,02                                                                             |
| 2768393         | 05.05.1999   | -277.607,02                                                                            |
| 5200021081      | 31.07.2013   | 274.957,34                                                                             |
| 5200021438      | 01.08.2013   | -274.957,34                                                                            |

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**Annex 21.4.b**  
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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026425      | 30.09.2013   | 274.606,69                                                                             |
| 5200026794      | 01.10.2013   | -274.606,69                                                                            |
| 5200013646      | 30.04.2017   | 274.459,17                                                                             |
| 5200014203      | 01.05.2017   | -274.459,17                                                                            |
| 5200011832      | 30.04.2015   | 273.421,56                                                                             |
| 5200012246      | 01.05.2015   | -273.421,56                                                                            |
| 5200029070      | 31.10.2013   | 273.268,98                                                                             |
| 5200029412      | 01.11.2013   | -273.268,98                                                                            |
| 5200031598      | 30.11.2013   | 273.135,10                                                                             |
| 5200031954      | 01.12.2013   | -273.135,10                                                                            |
| 5200022113      | 30.09.2012   | 272.530,09                                                                             |
| 5200022407      | 01.10.2012   | -272.530,09                                                                            |
| 5200010540      | 31.08.2002   | 272.474,80                                                                             |
| 5200010564      | 01.09.2002   | -272.474,80                                                                            |
| 5200008385      | 31.03.2016   | 272.013,40                                                                             |
| 5200008874      | 01.04.2016   | -272.013,40                                                                            |
| 5200018205      | 30.06.2013   | 271.223,21                                                                             |
| 5200018605      | 01.07.2013   | -271.223,21                                                                            |
| 5200026413      | 30.09.2013   | 270.070,01                                                                             |
| 5200026782      | 01.10.2013   | -270.070,01                                                                            |
| 5200018222      | 31.07.2014   | 269.522,03                                                                             |
| 5200018645      | 01.08.2014   | -269.522,03                                                                            |
| 5200000006      | 30.04.2001   | 269.372,75                                                                             |
| 5200000033      | 01.05.2001   | -269.372,75                                                                            |
| 2765992         | 28.02.1999   | 269.299,54                                                                             |
| 2765999         | 03.03.1999   | -269.299,54                                                                            |
| 5200017657      | 31.05.2017   | 267.390,07                                                                             |
| 5200018218      | 01.06.2017   | -267.390,07                                                                            |
| 2749631         | 31.01.1998   | 266.677,83                                                                             |
| 2749638         | 04.02.1998   | -266.677,83                                                                            |
| 5200031829      | 30.09.2017   | 265.850,90                                                                             |
| 5200032387      | 01.10.2017   | -265.850,90                                                                            |
| 5200026153      | 31.10.2014   | 265.092,27                                                                             |
| 5200026506      | 01.11.2014   | -265.092,27                                                                            |
| 5200009642      | 30.04.2014   | 264.515,58                                                                             |
| 5200010064      | 01.05.2014   | -264.515,58                                                                            |
| 5200042422      | 31.12.2017   | 264.229,63                                                                             |
| 5200020870      | 31.08.2014   | 262.640,39                                                                             |
| 5200021303      | 01.09.2014   | -262.640,39                                                                            |
| 5200015276      | 30.06.2014   | 261.806,24                                                                             |
| 5200015706      | 01.07.2014   | -261.806,24                                                                            |
| 5200015478      | 31.05.2013   | 261.000,40                                                                             |
| 5200015838      | 01.06.2013   | -261.000,40                                                                            |
| 5200023690      | 31.08.2013   | 260.342,03                                                                             |
| 5200024043      | 01.09.2013   | -260.342,03                                                                            |
| 5000000773      | 22.05.2017   | -259.950,00                                                                            |
| 2730992         | 31.12.1996   | 259.720,72                                                                             |
| 2730999         | 06.01.1997   | -259.720,72                                                                            |
| 2738056         | 31.03.1997   | 259.167,11                                                                             |
| 2738063         | 03.04.1997   | -259.167,11                                                                            |
| 5200028590      | 30.11.2012   | 258.737,57                                                                             |
| 5200028899      | 01.12.2012   | -258.737,57                                                                            |
| 5200031830      | 30.09.2017   | 258.688,74                                                                             |
| 5200032388      | 01.10.2017   | -258.688,74                                                                            |
| 5200004408      | 28.02.2015   | 257.585,82                                                                             |
| 5200004839      | 01.03.2015   | -257.585,82                                                                            |
| 2708710         | 30.04.1995   | 257.354,08                                                                             |
| 2708732         | 04.05.1995   | -257.354,08                                                                            |
| 5200007651      | 31.03.2015   | 256.596,63                                                                             |
| 5200008055      | 01.04.2015   | -256.596,63                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031827      | 30.09.2017   | 256.110,08                                                                             |
| 5200032385      | 01.10.2017   | -256.110,08                                                                            |
| 5200018353      | 31.07.2014   | 256.072,01                                                                             |
| 5200018776      | 01.08.2014   | -256.072,01                                                                            |
| 5200035495      | 31.10.2017   | 255.400,36                                                                             |
| 5200036051      | 01.11.2017   | -255.400,36                                                                            |
| 5200014642      | 30.06.2012   | 255.309,82                                                                             |
| 5200014932      | 01.07.2012   | -255.309,82                                                                            |
| 2767402         | 31.03.1999   | 253.955,97                                                                             |
| 2767409         | 07.04.1999   | -253.955,97                                                                            |
| 2743649         | 31.08.1997   | 253.925,01                                                                             |
| 2743656         | 03.09.1997   | -253.925,01                                                                            |
| 5200023536      | 30.09.2014   | 252.511,67                                                                             |
| 5200023861      | 01.10.2014   | -252.511,67                                                                            |
| 5200005927      | 28.02.2017   | 251.722,36                                                                             |
| 5200006470      | 01.03.2017   | -251.722,36                                                                            |
| 5200014395      | 31.05.2016   | 251.393,26                                                                             |
| 5200014870      | 01.06.2016   | -251.393,26                                                                            |
| 5200040106      | 30.11.2017   | 250.494,21                                                                             |
| 5200040656      | 01.12.2017   | -250.494,21                                                                            |
| 5200028804      | 30.11.2014   | 250.120,23                                                                             |
| 5200029168      | 01.12.2014   | -250.120,23                                                                            |
| 5200026513      | 30.09.2016   | 249.797,44                                                                             |
| 5200026969      | 01.10.2016   | -249.797,44                                                                            |
| 5200002122      | 31.01.2015   | 249.628,69                                                                             |
| 5200002546      | 01.02.2015   | -249.628,69                                                                            |
| 5200040101      | 30.11.2017   | 249.280,21                                                                             |
| 5200040651      | 01.12.2017   | -249.280,21                                                                            |
| 5000002163      | 31.12.2017   | 249.000,00                                                                             |
| 2759476         | 30.09.1998   | 248.926,83                                                                             |
| 2759483         | 05.10.1998   | -248.926,83                                                                            |
| 5200008395      | 31.03.2016   | 248.643,01                                                                             |
| 5200008884      | 01.04.2016   | -248.643,01                                                                            |
| 5200004037      | 28.02.2014   | 248.048,86                                                                             |
| 5200004438      | 01.03.2014   | -248.048,86                                                                            |
| 2730997         | 31.12.1996   | 247.403,52                                                                             |
| 2731004         | 06.01.1997   | -247.403,52                                                                            |
| 5200021080      | 31.07.2013   | 247.358,39                                                                             |
| 5200021437      | 01.08.2013   | -247.358,39                                                                            |
| 2781743         | 31.03.2000   | 247.297,43                                                                             |
| 2781750         | 05.04.2000   | -247.297,43                                                                            |
| 5200028135      | 31.08.2017   | 246.635,31                                                                             |
| 5200028697      | 01.09.2017   | -246.635,31                                                                            |
| 5200008387      | 31.03.2016   | 246.363,69                                                                             |
| 5200008876      | 01.04.2016   | -246.363,69                                                                            |
| 5200007358      | 28.02.2013   | 244.248,98                                                                             |
| 5200007691      | 01.03.2013   | -244.248,98                                                                            |
| 2740133         | 31.05.1997   | 243.116,87                                                                             |
| 2740141         | 04.06.1997   | -243.116,87                                                                            |
| 5200023363      | 31.08.2016   | 242.515,49                                                                             |
| 5200023826      | 01.09.2016   | -242.515,49                                                                            |
| 5200025781      | 31.10.2012   | 242.407,54                                                                             |
| 5200026086      | 01.11.2012   | -242.407,54                                                                            |
| 2709645         | 31.05.1995   | 241.973,56                                                                             |
| 2709667         | 06.06.1995   | -241.973,56                                                                            |
| 5200025842      | 31.10.2012   | 241.331,83                                                                             |
| 5200026147      | 01.11.2012   | -241.331,83                                                                            |
| 5200014722      | 31.05.2015   | 241.256,57                                                                             |
| 5200015113      | 01.06.2015   | -241.256,57                                                                            |
| 5200012254      | 31.05.2014   | 241.210,80                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200012701      | 01.06.2014   | -241.210,80                                                                            |
| 5200010710      | 30.04.2016   | 241.176,85                                                                             |
| 5200011194      | 01.05.2016   | -241.176,85                                                                            |
| 5200028655      | 30.11.2012   | 241.139,52                                                                             |
| 5200028964      | 01.12.2012   | -241.139,52                                                                            |
| 5200010719      | 30.04.2016   | 240.761,65                                                                             |
| 5200011203      | 01.05.2016   | -240.761,65                                                                            |
| 5200008383      | 31.03.2016   | 238.245,46                                                                             |
| 5200008872      | 01.04.2016   | -238.245,46                                                                            |
| 5200028807      | 30.11.2014   | 237.843,18                                                                             |
| 5200029171      | 01.12.2014   | -237.843,18                                                                            |
| 5000002163      | 31.12.2017   | 236.550,00                                                                             |
| 5000002216      | 31.12.2017   | -236.550,00                                                                            |
| 5200009568      | 30.04.2014   | 236.034,03                                                                             |
| 5200009990      | 01.05.2014   | -236.034,03                                                                            |
| 5200006566      | 31.03.2012   | 235.257,43                                                                             |
| 5200006863      | 01.04.2012   | -235.257,43                                                                            |
| 5200003136      | 30.06.2001   | 235.200,77                                                                             |
| 5200003174      | 01.07.2001   | -235.200,77                                                                            |
| 5200021377      | 30.06.2017   | 234.702,59                                                                             |
| 5200021935      | 01.07.2017   | -234.702,59                                                                            |
| 5200030975      | 31.12.2012   | 234.041,69                                                                             |
| 5200000592      | 01.01.2013   | -234.041,69                                                                            |
| 5200023700      | 31.08.2013   | 233.121,01                                                                             |
| 5200024053      | 01.09.2013   | -233.121,01                                                                            |
| 2707994         | 31.03.1995   | 232.021,22                                                                             |
| 2707919         | 07.04.1995   | -232.021,22                                                                            |
| 5200033769      | 31.12.2015   | 231.507,97                                                                             |
| 5200000483      | 01.01.2016   | -231.507,97                                                                            |
| 2739056         | 30.04.1997   | 230.388,69                                                                             |
| 2739063         | 06.05.1997   | -230.388,69                                                                            |
| 5200026154      | 31.10.2014   | 228.622,37                                                                             |
| 5200026507      | 01.11.2014   | -228.622,37                                                                            |
| 5200020868      | 31.08.2014   | 228.308,12                                                                             |
| 5200021301      | 01.09.2014   | -228.308,12                                                                            |
| 5200018208      | 30.06.2013   | 227.138,29                                                                             |
| 5200018608      | 01.07.2013   | -227.138,29                                                                            |
| 5200015194      | 30.06.2014   | 227.110,01                                                                             |
| 5200015624      | 01.07.2014   | -227.110,01                                                                            |
| 5200018155      | 31.07.2014   | 226.607,71                                                                             |
| 5200018578      | 01.08.2014   | -226.607,71                                                                            |
| 2748434         | 31.12.1997   | 225.885,63                                                                             |
| 2748441         | 05.01.1998   | -225.885,63                                                                            |
| 2708010         | 31.03.1995   | 225.479,54                                                                             |
| 2707935         | 07.04.1995   | -225.479,54                                                                            |
| 2715382         | 30.11.1995   | 225.095,35                                                                             |
| 2715389         | 05.12.1995   | -225.095,35                                                                            |
| 5200018219      | 30.06.2013   | 223.917,10                                                                             |
| 5200018619      | 01.07.2013   | -223.917,10                                                                            |
| 2774681         | 30.09.1999   | 222.907,08                                                                             |
| 2774689         | 05.10.1999   | -222.907,08                                                                            |
| 5200015203      | 30.06.2014   | 222.729,81                                                                             |
| 5200015633      | 01.07.2014   | -222.729,81                                                                            |
| 5200015192      | 30.06.2014   | 222.623,75                                                                             |
| 5200015622      | 01.07.2014   | -222.623,75                                                                            |
| 5200036282      | 30.11.2001   | 221.779,06                                                                             |
| 5200036308      | 01.12.2001   | -221.779,06                                                                            |
| 4300281450      | 04.12.2017   | -219.724,00                                                                            |
| 5200001732      | 31.05.2001   | 219.646,85                                                                             |
| 5200001759      | 01.06.2001   | -219.646,85                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200011969      | 31.05.2012   | 219.414,45                                                                             |
| 5200012243      | 01.06.2012   | -219.414,45                                                                            |
| 2759473         | 30.09.1998   | 219.031,63                                                                             |
| 2759480         | 05.10.1998   | -219.031,63                                                                            |
| 2758182         | 31.08.1998   | 218.775,24                                                                             |
| 2758189         | 03.09.1998   | -218.775,24                                                                            |
| 5200014728      | 31.05.2015   | 218.312,68                                                                             |
| 5200015119      | 01.06.2015   | -218.312,68                                                                            |
| 5200015482      | 31.05.2013   | 217.784,30                                                                             |
| 5200015842      | 01.06.2013   | -217.784,30                                                                            |
| 5200009329      | 31.07.2002   | 217.586,93                                                                             |
| 5200009353      | 01.08.2002   | -217.586,93                                                                            |
| 5200011831      | 30.04.2015   | 217.575,63                                                                             |
| 5200012245      | 01.05.2015   | -217.575,63                                                                            |
| 5200004677      | 30.04.2003   | 217.170,10                                                                             |
| 5200004705      | 01.05.2003   | -217.170,10                                                                            |
| 2741293         | 30.06.1997   | 216.208,85                                                                             |
| 2741300         | 03.07.1997   | -216.208,85                                                                            |
| 5200022902      | 31.08.2015   | 216.194,68                                                                             |
| 5200023282      | 01.09.2015   | -216.194,68                                                                            |
| 5200012900      | 30.04.2013   | 216.126,61                                                                             |
| 5200013251      | 01.05.2013   | -216.126,61                                                                            |
| 5200018147      | 31.07.2014   | 216.097,61                                                                             |
| 5200018570      | 01.08.2014   | -216.097,61                                                                            |
| 5200020092      | 31.08.2012   | 215.961,26                                                                             |
| 5200020378      | 01.09.2012   | -215.961,26                                                                            |
| 5200006561      | 31.03.2012   | 215.902,83                                                                             |
| 5200006858      | 01.04.2012   | -215.902,83                                                                            |
| 5200005498      | 29.02.2016   | 215.710,59                                                                             |
| 5200006018      | 01.03.2016   | -215.710,59                                                                            |
| 5200018149      | 31.07.2014   | 215.662,13                                                                             |
| 5200018572      | 01.08.2014   | -215.662,13                                                                            |
| 2775771         | 31.10.1999   | 215.449,42                                                                             |
| 2775778         | 03.11.1999   | -215.449,42                                                                            |
| 2778227         | 31.12.1999   | 215.438,02                                                                             |
| 2778234         | 05.01.2000   | -215.438,02                                                                            |
| 5200028138      | 31.08.2017   | 214.502,28                                                                             |
| 5200028700      | 01.09.2017   | -214.502,28                                                                            |
| 5200009103      | 31.03.2017   | 214.321,72                                                                             |
| 5200009642      | 01.04.2017   | -214.321,72                                                                            |
| 2720442         | 31.03.1996   | 213.962,86                                                                             |
| 2720449         | 04.04.1996   | -213.962,86                                                                            |
| 5200014690      | 30.06.2012   | 213.390,52                                                                             |
| 5200014980      | 01.07.2012   | -213.390,52                                                                            |
| 5200006971      | 31.05.2002   | 213.175,57                                                                             |
| 5200006985      | 01.06.2002   | -213.175,57                                                                            |
| 5200013637      | 30.04.2017   | 212.120,42                                                                             |
| 5200014194      | 01.05.2017   | -212.120,42                                                                            |
| 5200030968      | 31.12.2012   | 211.797,96                                                                             |
| 5200000585      | 01.01.2013   | -211.797,96                                                                            |
| 2710547         | 30.06.1995   | 211.750,57                                                                             |
| 2710569         | 05.07.1995   | -211.750,57                                                                            |
| 5200035501      | 31.10.2017   | 211.288,63                                                                             |
| 5200036057      | 01.11.2017   | -211.288,63                                                                            |
| 5200023696      | 31.08.2013   | 210.900,18                                                                             |
| 5200024049      | 01.09.2013   | -210.900,18                                                                            |
| 2727491         | 30.09.1996   | 209.043,74                                                                             |
| 2727498         | 04.10.1996   | -209.043,74                                                                            |
| 5200012899      | 30.04.2013   | 208.918,35                                                                             |
| 5200013250      | 01.05.2013   | -208.918,35                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004052      | 29.02.2012   | 208.314,28                                                                             |
| 5200004324      | 01.03.2012   | -208.314,28                                                                            |
| 5200020401      | 31.07.2016   | 208.088,49                                                                             |
| 5200020871      | 01.08.2016   | -208.088,49                                                                            |
| 5200021092      | 31.07.2013   | 208.047,20                                                                             |
| 5200021449      | 01.08.2013   | -208.047,20                                                                            |
| 5200012897      | 30.04.2013   | 207.826,41                                                                             |
| 5200013248      | 01.05.2013   | -207.826,41                                                                            |
| 5200022120      | 30.09.2012   | 207.367,66                                                                             |
| 5200022414      | 01.10.2012   | -207.367,66                                                                            |
| 5200007598      | 30.06.2002   | 206.805,63                                                                             |
| 5200007621      | 01.07.2002   | -206.805,63                                                                            |
| 5200005926      | 28.02.2017   | 205.518,07                                                                             |
| 5200006469      | 01.03.2017   | -205.518,07                                                                            |
| 5200009563      | 30.04.2014   | 205.364,91                                                                             |
| 5200009985      | 01.05.2014   | -205.364,91                                                                            |
| 5200022900      | 31.08.2015   | 204.799,93                                                                             |
| 5200023280      | 01.09.2015   | -204.799,93                                                                            |
| 5200023537      | 30.09.2014   | 204.599,19                                                                             |
| 5200023862      | 01.10.2014   | -204.599,19                                                                            |
| 5200012465      | 31.05.2014   | 204.597,60                                                                             |
| 5200012912      | 01.06.2014   | -204.597,60                                                                            |
| 2716268         | 31.12.1995   | 203.058,37                                                                             |
| 2715917         | 31.12.1995   | 203.058,37                                                                             |
| 2716468         | 06.01.1996   | 203.058,37                                                                             |
| 2716460         | 31.12.1995   | -203.058,37                                                                            |
| 2715925         | 06.01.1996   | -203.058,37                                                                            |
| 2716276         | 06.01.1996   | -203.058,37                                                                            |
| 5200010718      | 30.04.2016   | 202.670,81                                                                             |
| 5200011202      | 01.05.2016   | -202.670,81                                                                            |
| 5200008919      | 30.04.2012   | 201.417,85                                                                             |
| 5200009197      | 01.05.2012   | -201.417,85                                                                            |
| 5200009100      | 31.03.2017   | 201.153,84                                                                             |
| 5200009639      | 01.04.2017   | -201.153,84                                                                            |
| 5200031586      | 30.11.2013   | 199.919,90                                                                             |
| 5200031942      | 01.12.2013   | -199.919,90                                                                            |
| 5200021375      | 30.06.2017   | 199.898,78                                                                             |
| 5200021933      | 01.07.2017   | -199.898,78                                                                            |
| 5200002206      | 31.01.2012   | 199.707,92                                                                             |
| 5200002449      | 01.02.2012   | -199.707,92                                                                            |
| 5200028642      | 30.11.2012   | 198.300,71                                                                             |
| 5200028951      | 01.12.2012   | -198.300,71                                                                            |
| 5200001743      | 31.05.2001   | 198.048,70                                                                             |
| 5200001770      | 01.06.2001   | -198.048,70                                                                            |
| 2712464         | 31.08.1995   | 196.905,44                                                                             |
| 2712488         | 04.09.1995   | -196.905,44                                                                            |
| 5200009561      | 30.04.2014   | 196.185,59                                                                             |
| 5200009983      | 01.05.2014   | -196.185,59                                                                            |
| 5200004045      | 29.02.2012   | 194.745,20                                                                             |
| 5200004317      | 01.03.2012   | -194.745,20                                                                            |
| 5200001327      | 31.01.2014   | 194.339,46                                                                             |
| 5200001699      | 01.02.2014   | -194.339,46                                                                            |
| 5200026414      | 30.09.2013   | 194.088,02                                                                             |
| 5200026783      | 01.10.2013   | -194.088,02                                                                            |
| 5200029563      | 31.10.2016   | 194.032,94                                                                             |
| 5200030014      | 01.11.2016   | -194.032,94                                                                            |
| 5200018389      | 30.06.2013   | 193.997,03                                                                             |
| 5200018789      | 01.07.2013   | -193.997,03                                                                            |
| 5200002681      | 31.01.2017   | 193.102,68                                                                             |
| 5200003231      | 01.02.2017   | -193.102,68                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200035500      | 31.10.2017   | 192.968,77                                                                             |
| 5200036056      | 01.11.2017   | -192.968,77                                                                            |
| 5200028649      | 30.11.2012   | 192.940,79                                                                             |
| 5200028958      | 01.12.2012   | -192.940,79                                                                            |
| 5200010526      | 31.08.2002   | 191.495,63                                                                             |
| 5200010550      | 01.09.2002   | -191.495,63                                                                            |
| 5200020139      | 31.08.2012   | 190.770,50                                                                             |
| 5200020425      | 01.09.2012   | -190.770,50                                                                            |
| 5200010706      | 30.04.2016   | 190.758,74                                                                             |
| 5200011190      | 01.05.2016   | -190.758,74                                                                            |
| 5200025790      | 31.10.2012   | 190.130,81                                                                             |
| 5200026095      | 01.11.2012   | -190.130,81                                                                            |
| 5200005741      | 30.04.2002   | 190.068,82                                                                             |
| 5200005764      | 01.05.2002   | -190.068,82                                                                            |
| 5200012939      | 31.10.2002   | 189.700,13                                                                             |
| 5200012961      | 01.11.2002   | -189.700,13                                                                            |
| 2718831         | 29.02.1996   | 188.693,51                                                                             |
| 2718838         | 05.03.1996   | -188.693,51                                                                            |
| 5200026148      | 30.09.2015   | 187.949,05                                                                             |
| 5200026563      | 01.10.2015   | -187.949,05                                                                            |
| 5200014719      | 31.05.2015   | 187.749,42                                                                             |
| 5200015110      | 01.06.2015   | -187.749,42                                                                            |
| 5000002163      | 31.12.2017   | 187.558,04                                                                             |
| 5200002682      | 31.01.2017   | 187.395,65                                                                             |
| 5200003232      | 01.02.2017   | -187.395,65                                                                            |
| 5200014643      | 30.06.2012   | 187.079,42                                                                             |
| 5200014933      | 01.07.2012   | -187.079,42                                                                            |
| 2705194         | 31.12.1994   | 186.826,93                                                                             |
| 2705214         | 02.01.1995   | -186.826,93                                                                            |
| 5200023874      | 31.08.2013   | 185.764,76                                                                             |
| 5200024227      | 01.09.2013   | -185.764,76                                                                            |
| 5200026539      | 30.09.2016   | 185.741,69                                                                             |
| 5200026995      | 01.10.2016   | -185.741,69                                                                            |
| 5200036275      | 30.11.2001   | 185.535,02                                                                             |
| 5200036301      | 01.12.2001   | -185.535,02                                                                            |
| 5200014097      | 30.11.2002   | 185.352,51                                                                             |
| 5200014120      | 01.12.2002   | -185.352,51                                                                            |
| 5200026145      | 30.09.2015   | 185.066,88                                                                             |
| 5200026560      | 01.10.2015   | -185.066,88                                                                            |
| 5200007357      | 28.02.2013   | 184.377,65                                                                             |
| 5200007690      | 01.03.2013   | -184.377,65                                                                            |
| 5200022112      | 30.09.2012   | 184.338,16                                                                             |
| 5200022406      | 01.10.2012   | -184.338,16                                                                            |
| 5200007799      | 31.07.2003   | 184.226,52                                                                             |
| 5200007827      | 01.08.2003   | -184.226,52                                                                            |
| 5000002020      | 31.12.2017   | 183.486,00                                                                             |
| 2706961         | 28.02.1995   | 183.341,77                                                                             |
| 2706982         | 07.03.1995   | -183.341,77                                                                            |
| 5000002163      | 31.12.2017   | 183.250,30                                                                             |
| 5200012255      | 31.05.2014   | 182.942,41                                                                             |
| 5200012702      | 01.06.2014   | -182.942,41                                                                            |
| 2714383         | 01.11.1995   | 182.900,81                                                                             |
| 2714361         | 03.11.1995   | -182.900,81                                                                            |
| 5200012265      | 31.05.2014   | 182.388,39                                                                             |
| 5200012712      | 01.06.2014   | -182.388,39                                                                            |
| 5200010219      | 31.03.2013   | 181.939,22                                                                             |
| 5200010562      | 01.04.2013   | -181.939,22                                                                            |
| 5200013648      | 30.04.2017   | 181.536,22                                                                             |
| 5200014205      | 01.05.2017   | -181.536,22                                                                            |
| 5200020091      | 31.08.2012   | 181.369,68                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020377      | 01.09.2012   | -181.369,68                                                                            |
| 5000002163      | 31.12.2017   | 180.901,17                                                                             |
| 5000002216      | 31.12.2017   | -180.901,17                                                                            |
| 5200017455      | 31.07.2012   | 180.553,39                                                                             |
| 5200017741      | 01.08.2012   | -180.553,39                                                                            |
| 5000002114      | 31.12.2017   | 180.321,50                                                                             |
| 5200014721      | 31.05.2015   | 180.133,08                                                                             |
| 5200015112      | 01.06.2015   | -180.133,08                                                                            |
| 5200003185      | 28.02.2002   | 179.229,93                                                                             |
| 5200003213      | 01.03.2002   | -179.229,93                                                                            |
| 5200020140      | 31.07.2015   | 179.103,10                                                                             |
| 5200020508      | 01.08.2015   | -179.103,10                                                                            |
| 2727494         | 30.09.1996   | 178.295,44                                                                             |
| 2727501         | 04.10.1996   | -178.295,44                                                                            |
| 5200032544      | 30.11.2016   | 177.321,26                                                                             |
| 5200033011      | 01.12.2016   | -177.321,26                                                                            |
| 5200003000      | 31.01.2013   | 177.024,63                                                                             |
| 5200003342      | 01.02.2013   | -177.024,63                                                                            |
| 5200034489      | 31.12.2016   | 176.266,88                                                                             |
| 5200000585      | 01.01.2017   | -176.266,88                                                                            |
| 5000002216      | 31.12.2017   | -176.160,07                                                                            |
| 5200031905      | 30.11.2015   | 175.240,76                                                                             |
| 5200032308      | 01.12.2015   | -175.240,76                                                                            |
| 5200028148      | 31.08.2017   | 175.153,38                                                                             |
| 5200028710      | 01.09.2017   | -175.153,38                                                                            |
| 5200006560      | 31.03.2012   | 174.484,24                                                                             |
| 5200006857      | 01.04.2012   | -174.484,24                                                                            |
| 5200021594      | 30.06.2017   | 174.200,13                                                                             |
| 5200022152      | 01.07.2017   | -174.200,13                                                                            |
| 5200017446      | 31.07.2012   | 174.083,60                                                                             |
| 5200017732      | 01.08.2012   | -174.083,60                                                                            |
| 5200022912      | 31.08.2015   | 173.005,20                                                                             |
| 5200023292      | 01.09.2015   | -173.005,20                                                                            |
| 5200005724      | 30.04.2002   | 172.895,75                                                                             |
| 5200005747      | 01.05.2002   | -172.895,75                                                                            |
| 5200028137      | 31.08.2017   | 171.841,30                                                                             |
| 5200028699      | 01.09.2017   | -171.841,30                                                                            |
| 5200028967      | 31.10.2015   | 171.264,32                                                                             |
| 5200029375      | 01.11.2015   | -171.264,32                                                                            |
| 2762083         | 30.11.1998   | 170.967,71                                                                             |
| 2762090         | 03.12.1998   | -170.967,71                                                                            |
| 5200023759      | 31.08.2013   | 170.556,36                                                                             |
| 5200024112      | 01.09.2013   | -170.556,36                                                                            |
| 5000000408      | 31.03.2017   | 170.000,00                                                                             |
| 5200023535      | 30.09.2014   | 169.703,22                                                                             |
| 5200023860      | 01.10.2014   | -169.703,22                                                                            |
| 5200017448      | 31.07.2012   | 169.191,87                                                                             |
| 5200017734      | 01.08.2012   | -169.191,87                                                                            |
| 5200020099      | 31.08.2012   | 169.074,43                                                                             |
| 5200020385      | 01.09.2012   | -169.074,43                                                                            |
| 5200004046      | 29.02.2012   | 168.976,06                                                                             |
| 5200004318      | 01.03.2012   | -168.976,06                                                                            |
| 5200031196      | 31.12.2014   | 168.882,92                                                                             |
| 5200000523      | 01.01.2015   | -168.882,92                                                                            |
| 2708692         | 30.04.1995   | 168.842,55                                                                             |
| 2708714         | 04.05.1995   | -168.842,55                                                                            |
| 5200022114      | 30.09.2012   | 168.807,19                                                                             |
| 5200022408      | 01.10.2012   | -168.807,19                                                                            |
| 5200006962      | 31.05.2002   | 168.573,02                                                                             |
| 5200006976      | 01.06.2002   | -168.573,02                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005929      | 28.02.2017   | 168.550,14                                                                             |
| 5200006472      | 01.03.2017   | -168.550,14                                                                            |
| 5200010263      | 30.09.2003   | 168.531,66                                                                             |
| 5200010289      | 01.10.2003   | -168.531,66                                                                            |
| 5200009330      | 31.07.2002   | 168.297,42                                                                             |
| 5200009354      | 01.08.2002   | -168.297,42                                                                            |
| 5200010527      | 31.08.2002   | 167.276,43                                                                             |
| 5200010551      | 01.09.2002   | -167.276,43                                                                            |
| 5200005300      | 29.02.2016   | 166.865,33                                                                             |
| 5200005820      | 01.03.2016   | -166.865,33                                                                            |
| 5200008926      | 30.04.2012   | 166.827,55                                                                             |
| 5200009204      | 01.05.2012   | -166.827,55                                                                            |
| 5200004099      | 29.02.2012   | 166.721,45                                                                             |
| 5200004371      | 01.03.2012   | -166.721,45                                                                            |
| 5200011784      | 31.10.2003   | 166.611,91                                                                             |
| 5200011808      | 01.11.2003   | -166.611,91                                                                            |
| 5200031822      | 30.09.2017   | 166.562,52                                                                             |
| 5200032380      | 01.10.2017   | -166.562,52                                                                            |
| 5200028598      | 30.11.2012   | 166.515,57                                                                             |
| 5200028907      | 01.12.2012   | -166.515,57                                                                            |
| 2744854         | 30.09.1997   | 166.332,81                                                                             |
| 2744861         | 06.10.1997   | -166.332,81                                                                            |
| 5200011976      | 31.05.2012   | 166.296,33                                                                             |
| 5200012250      | 01.06.2012   | -166.296,33                                                                            |
| 5200010881      | 30.04.2016   | 165.895,26                                                                             |
| 5200011365      | 01.05.2016   | -165.895,26                                                                            |
| 2712475         | 31.08.1995   | 165.868,86                                                                             |
| 2712499         | 04.09.1995   | -165.868,86                                                                            |
| 5200014641      | 30.06.2012   | 165.800,12                                                                             |
| 5200014931      | 01.07.2012   | -165.800,12                                                                            |
| 5200014289      | 31.12.2003   | 165.630,91                                                                             |
| 5200000385      | 01.01.2004   | -165.630,91                                                                            |
| 5200006679      | 31.03.2012   | 165.341,12                                                                             |
| 5200006976      | 01.04.2012   | -165.341,12                                                                            |
| 5200031903      | 30.11.2015   | 165.327,94                                                                             |
| 5200032306      | 01.12.2015   | -165.327,94                                                                            |
| 5200011777      | 31.10.2003   | 165.319,17                                                                             |
| 5200013180      | 30.11.2003   | 165.319,17                                                                             |
| 5200011801      | 01.11.2003   | -165.319,17                                                                            |
| 5200013203      | 01.12.2003   | -165.319,17                                                                            |
| 5200011822      | 30.04.2015   | 164.705,85                                                                             |
| 5200012236      | 01.05.2015   | -164.705,85                                                                            |
| 5200009029      | 30.04.2012   | 164.112,07                                                                             |
| 5200009307      | 01.05.2012   | -164.112,07                                                                            |
| 5200033788      | 31.12.2013   | 163.972,63                                                                             |
| 5200000482      | 01.01.2014   | -163.972,63                                                                            |
| 2713386         | 30.09.1995   | 163.616,15                                                                             |
| 2713412         | 05.10.1995   | -163.616,15                                                                            |
| 5200021369      | 30.06.2017   | 163.247,03                                                                             |
| 5200021927      | 01.07.2017   | -163.247,03                                                                            |
| 5200020159      | 31.12.2011   | 163.098,64                                                                             |
| 5200000632      | 01.01.2012   | -163.098,64                                                                            |
| 5000000960      | 30.06.2017   | 162.960,00                                                                             |
| 5000002157      | 31.12.2017   | 162.500,00                                                                             |
| 5200020393      | 31.07.2016   | 162.317,79                                                                             |
| 5200020863      | 01.08.2016   | -162.317,79                                                                            |
| 5200017665      | 31.05.2017   | 162.185,75                                                                             |
| 5200018226      | 01.06.2017   | -162.185,75                                                                            |
| 5200014394      | 31.05.2016   | 160.811,22                                                                             |
| 5200014869      | 01.06.2016   | -160.811,22                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200011719      | 30.09.2002   | 160.579,63                                                                             |
| 5200011742      | 01.10.2002   | -160.579,63                                                                            |
| 5200029222      | 31.10.2013   | 160.369,36                                                                             |
| 5200029564      | 01.11.2013   | -160.369,36                                                                            |
| 5200024401      | 31.07.2017   | 160.029,15                                                                             |
| 5200024950      | 01.08.2017   | -160.029,15                                                                            |
| 5200029058      | 31.10.2013   | 159.783,70                                                                             |
| 5200029400      | 01.11.2013   | -159.783,70                                                                            |
| 5200026314      | 31.10.2014   | 159.597,86                                                                             |
| 5200026667      | 01.11.2014   | -159.597,86                                                                            |
| 5200017445      | 30.06.2015   | 159.193,37                                                                             |
| 5200017798      | 01.07.2015   | -159.193,37                                                                            |
| 2728654         | 31.10.1996   | 158.366,64                                                                             |
| 2728662         | 05.11.1996   | -158.366,64                                                                            |
| 5200022121      | 30.09.2012   | 158.149,58                                                                             |
| 5200022415      | 01.10.2012   | -158.149,58                                                                            |
| 5200002207      | 31.01.2012   | 157.816,46                                                                             |
| 5200002450      | 01.02.2012   | -157.816,46                                                                            |
| 5200023702      | 31.08.2013   | 157.704,85                                                                             |
| 5200024055      | 01.09.2013   | -157.704,85                                                                            |
| 5200005292      | 29.02.2016   | 157.389,75                                                                             |
| 5200005812      | 01.03.2016   | -157.389,75                                                                            |
| 5200006558      | 31.03.2012   | 157.317,23                                                                             |
| 5200006855      | 01.04.2012   | -157.317,23                                                                            |
| 5200014387      | 31.05.2016   | 156.888,79                                                                             |
| 5200014862      | 01.06.2016   | -156.888,79                                                                            |
| 5200009786      | 30.04.2014   | 156.875,31                                                                             |
| 5200010208      | 01.05.2014   | -156.875,31                                                                            |
| 5200013749      | 31.10.2001   | 156.796,41                                                                             |
| 5200013787      | 01.11.2001   | -156.796,41                                                                            |
| 5200024407      | 31.07.2017   | 156.473,62                                                                             |
| 5200024956      | 01.08.2017   | -156.473,62                                                                            |
| 5200007364      | 28.02.2013   | 156.221,72                                                                             |
| 5200007697      | 01.03.2013   | -156.221,72                                                                            |
| 5200013186      | 30.11.2003   | 155.844,89                                                                             |
| 5200013209      | 01.12.2003   | -155.844,89                                                                            |
| 5200042429      | 31.12.2017   | 155.737,10                                                                             |
| 5200031150      | 31.12.2014   | 155.669,76                                                                             |
| 5200000477      | 01.01.2015   | -155.669,76                                                                            |
| 2726352         | 31.08.1996   | 155.379,36                                                                             |
| 2726359         | 04.09.1996   | -155.379,36                                                                            |
| 5200031294      | 31.12.2014   | 155.344,71                                                                             |
| 5200015654      | 31.05.2013   | 155.295,60                                                                             |
| 5200016014      | 01.06.2013   | -155.295,60                                                                            |
| 5200003067      | 31.01.2013   | 154.662,87                                                                             |
| 5200003409      | 01.02.2013   | -154.662,87                                                                            |
| 5200000025      | 30.04.2001   | 153.869,93                                                                             |
| 5200000052      | 01.05.2001   | -153.869,93                                                                            |
| 5200003195      | 28.02.2002   | 153.798,46                                                                             |
| 5200003223      | 01.03.2002   | -153.798,46                                                                            |
| 5200006963      | 31.05.2002   | 153.399,38                                                                             |
| 5200006977      | 01.06.2002   | -153.399,38                                                                            |
| 5200009090      | 31.03.2017   | 153.034,99                                                                             |
| 5200009629      | 01.04.2017   | -153.034,99                                                                            |
| 5200002204      | 31.01.2012   | 152.979,20                                                                             |
| 5200002447      | 01.02.2012   | -152.979,20                                                                            |
| 5200016640      | 30.06.2016   | 152.887,06                                                                             |
| 5200017101      | 01.07.2016   | -152.887,06                                                                            |
| 5200011825      | 30.04.2015   | 152.458,29                                                                             |
| 5200012239      | 01.05.2015   | -152.458,29                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200018212      | 30.06.2013   | 151.792,89                                                                             |
| 5200018612      | 01.07.2013   | -151.792,89                                                                            |
| 5200005928      | 28.02.2017   | 151.178,06                                                                             |
| 5200006471      | 01.03.2017   | -151.178,06                                                                            |
| 2768389         | 30.04.1999   | 151.021,69                                                                             |
| 2768396         | 05.05.1999   | -151.021,69                                                                            |
| 5200023355      | 31.08.2016   | 150.834,27                                                                             |
| 5200023818      | 01.09.2016   | -150.834,27                                                                            |
| 5200021202      | 31.07.2013   | 150.736,18                                                                             |
| 5200021559      | 01.08.2013   | -150.736,18                                                                            |
| 5200022161      | 30.09.2012   | 150.600,32                                                                             |
| 5200022455      | 01.10.2012   | -150.600,32                                                                            |
| 5200033789      | 31.12.2013   | 150.351,89                                                                             |
| 5200000483      | 01.01.2014   | -150.351,89                                                                            |
| 5200028980      | 31.10.2015   | 150.199,94                                                                             |
| 5200029388      | 01.11.2015   | -150.199,94                                                                            |
| 5200031141      | 31.12.2014   | 150.171,54                                                                             |
| 5200000468      | 01.01.2015   | -150.171,54                                                                            |
| 5000001088      | 30.09.2016   | 150.000,00                                                                             |
| 5000002204      | 31.12.2017   | 150.000,00                                                                             |
| 5200026531      | 30.09.2016   | 149.998,17                                                                             |
| 5200026987      | 01.10.2016   | -149.998,17                                                                            |
| 5200010369      | 31.03.2013   | 149.967,54                                                                             |
| 5200010712      | 01.04.2013   | -149.967,54                                                                            |
| 5200026147      | 30.09.2015   | 149.807,15                                                                             |
| 5200026562      | 01.10.2015   | -149.807,15                                                                            |
| 5200016666      | 30.06.2016   | 149.658,49                                                                             |
| 5200017127      | 01.07.2016   | -149.658,49                                                                            |
| 5200042416      | 31.12.2017   | 149.454,59                                                                             |
| 5200004463      | 28.02.2015   | 149.049,45                                                                             |
| 5200004894      | 01.03.2015   | -149.049,45                                                                            |
| 5200004042      | 28.02.2014   | 147.358,44                                                                             |
| 5200004443      | 01.03.2014   | -147.358,44                                                                            |
| 5200013654      | 30.04.2017   | 147.259,27                                                                             |
| 5200014211      | 01.05.2017   | -147.259,27                                                                            |
| 5200010206      | 31.03.2013   | 147.231,20                                                                             |
| 5200010549      | 01.04.2013   | -147.231,20                                                                            |
| 5200029063      | 31.10.2013   | 146.880,29                                                                             |
| 5200029405      | 01.11.2013   | -146.880,29                                                                            |
| 5200020149      | 31.07.2015   | 146.833,80                                                                             |
| 5200020517      | 01.08.2015   | -146.833,80                                                                            |
| 5200002897      | 31.01.2017   | 146.444,85                                                                             |
| 5200003447      | 01.02.2017   | -146.444,85                                                                            |
| 5200025783      | 31.10.2012   | 146.299,81                                                                             |
| 5200026088      | 01.11.2012   | -146.299,81                                                                            |
| 5200010372      | 31.03.2013   | 146.143,83                                                                             |
| 5200010715      | 01.04.2013   | -146.143,83                                                                            |
| 5200015428      | 30.06.2014   | 146.037,64                                                                             |
| 5200015858      | 01.07.2014   | -146.037,64                                                                            |
| 5200026156      | 30.09.2015   | 145.816,42                                                                             |
| 5200026571      | 01.10.2015   | -145.816,42                                                                            |
| 5200033758      | 31.12.2015   | 145.188,25                                                                             |
| 5200000472      | 01.01.2016   | -145.188,25                                                                            |
| 2716264         | 31.12.1995   | 144.877,06                                                                             |
| 2715913         | 31.12.1995   | 144.877,06                                                                             |
| 2716464         | 06.01.1996   | 144.877,06                                                                             |
| 2716456         | 31.12.1995   | -144.877,06                                                                            |
| 2715921         | 06.01.1996   | -144.877,06                                                                            |
| 2716272         | 06.01.1996   | -144.877,06                                                                            |
| 5200014647      | 30.06.2012   | 144.726,65                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014937      | 01.07.2012   | -144.726,65                                                                            |
| 5200031086      | 31.12.2012   | 144.647,42                                                                             |
| 5200000703      | 01.01.2013   | -144.647,42                                                                            |
| 5200031024      | 31.12.2012   | 144.023,82                                                                             |
| 5200000641      | 01.01.2013   | -144.023,82                                                                            |
| 5200001336      | 31.01.2014   | 144.003,89                                                                             |
| 5200001708      | 01.02.2014   | -144.003,89                                                                            |
| 5200028802      | 30.11.2014   | 143.926,66                                                                             |
| 5200029166      | 01.12.2014   | -143.926,66                                                                            |
| 5200033795      | 31.12.2013   | 143.676,27                                                                             |
| 5200000489      | 01.01.2014   | -143.676,27                                                                            |
| 5200020561      | 31.07.2016   | 143.659,89                                                                             |
| 5200021031      | 01.08.2016   | -143.659,89                                                                            |
| 5200012977      | 30.04.2013   | 143.612,81                                                                             |
| 5200013328      | 01.05.2013   | -143.612,81                                                                            |
| 5200001670      | 31.01.2016   | 143.606,18                                                                             |
| 5200002161      | 01.02.2016   | -143.606,18                                                                            |
| 5200023337      | 31.08.2016   | 143.437,76                                                                             |
| 5200023800      | 01.09.2016   | -143.437,76                                                                            |
| 5200024396      | 31.07.2017   | 143.420,53                                                                             |
| 5200024945      | 01.08.2017   | -143.420,53                                                                            |
| 2714376         | 01.11.1995   | 143.318,72                                                                             |
| 2714354         | 03.11.1995   | -143.318,72                                                                            |
| 5200040108      | 30.11.2017   | 142.695,81                                                                             |
| 5200040658      | 01.12.2017   | -142.695,81                                                                            |
| 5200001485      | 31.01.2016   | 142.330,14                                                                             |
| 5200001976      | 01.02.2016   | -142.330,14                                                                            |
| 5200033756      | 31.12.2015   | 142.298,61                                                                             |
| 5200000470      | 01.01.2016   | -142.298,61                                                                            |
| 2764649         | 31.01.1999   | 142.216,64                                                                             |
| 2764656         | 03.02.1999   | -142.216,64                                                                            |
| 5200013651      | 30.04.2017   | 141.606,89                                                                             |
| 5200014208      | 01.05.2017   | -141.606,89                                                                            |
| 5200007427      | 28.02.2013   | 141.470,18                                                                             |
| 5200007760      | 01.03.2013   | -141.470,18                                                                            |
| 2716262         | 31.12.1995   | 140.866,83                                                                             |
| 2715911         | 31.12.1995   | 140.866,83                                                                             |
| 2716462         | 06.01.1996   | 140.866,83                                                                             |
| 2716454         | 31.12.1995   | -140.866,83                                                                            |
| 2715919         | 06.01.1996   | -140.866,83                                                                            |
| 2716270         | 06.01.1996   | -140.866,83                                                                            |
| 5200035508      | 31.10.2017   | 140.850,70                                                                             |
| 5200036064      | 01.11.2017   | -140.850,70                                                                            |
| 5200008570      | 31.03.2016   | 140.806,48                                                                             |
| 5200009059      | 01.04.2016   | -140.806,48                                                                            |
| 5200007514      | 28.02.2013   | 140.455,89                                                                             |
| 5200007847      | 01.03.2013   | -140.455,89                                                                            |
| 5200000761      | 01.01.2017   | -140.316,93                                                                            |
| 5200006609      | 31.03.2012   | 139.917,55                                                                             |
| 5200006906      | 01.04.2012   | -139.917,55                                                                            |
| 5200005648      | 31.08.2001   | 139.888,72                                                                             |
| 5200005674      | 01.09.2001   | -139.888,72                                                                            |
| 5200001411      | 31.01.2002   | 139.490,52                                                                             |
| 5200001444      | 01.02.2002   | -139.490,52                                                                            |
| 5200028142      | 31.08.2017   | 138.935,26                                                                             |
| 5200028704      | 01.09.2017   | -138.935,26                                                                            |
| 5200005303      | 29.02.2016   | 138.326,76                                                                             |
| 5200005823      | 01.03.2016   | -138.326,76                                                                            |
| 5200005641      | 31.08.2001   | 138.291,64                                                                             |
| 5200005667      | 01.09.2001   | -138.291,64                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001405      | 31.01.2002   | 138.206,05                                                                             |
| 5200001439      | 01.02.2002   | -138.206,05                                                                            |
| 5200033796      | 31.12.2013   | 138.088,52                                                                             |
| 5200000490      | 01.01.2014   | -138.088,52                                                                            |
| 5200011973      | 31.05.2012   | 137.897,56                                                                             |
| 5200012247      | 01.06.2012   | -137.897,56                                                                            |
| 5200028134      | 31.08.2017   | 137.463,34                                                                             |
| 5200028696      | 01.09.2017   | -137.463,34                                                                            |
| 5200016658      | 30.06.2016   | 137.386,02                                                                             |
| 5200017119      | 01.07.2016   | -137.386,02                                                                            |
| 5200024426      | 31.07.2017   | 137.377,15                                                                             |
| 5200028168      | 31.08.2017   | 137.377,15                                                                             |
| 5200031860      | 30.09.2017   | 137.377,15                                                                             |
| 5200035534      | 31.10.2017   | 137.377,15                                                                             |
| 5200040139      | 30.11.2017   | 137.377,15                                                                             |
| 5200042454      | 31.12.2017   | 137.377,15                                                                             |
| 5200024975      | 01.08.2017   | -137.377,15                                                                            |
| 5200028730      | 01.09.2017   | -137.377,15                                                                            |
| 5200032418      | 01.10.2017   | -137.377,15                                                                            |
| 5200036090      | 01.11.2017   | -137.377,15                                                                            |
| 5200040689      | 01.12.2017   | -137.377,15                                                                            |
| 5200024408      | 31.07.2017   | 137.145,40                                                                             |
| 5200024957      | 01.08.2017   | -137.145,40                                                                            |
| 5200023346      | 31.08.2016   | 136.765,29                                                                             |
| 5200023809      | 01.09.2016   | -136.765,29                                                                            |
| 5200004492      | 31.03.2002   | 136.431,15                                                                             |
| 5200004513      | 01.04.2002   | -136.431,15                                                                            |
| 5200008367      | 31.03.2016   | 136.398,14                                                                             |
| 5200008856      | 01.04.2016   | -136.398,14                                                                            |
| 5200001499      | 31.01.2016   | 136.347,84                                                                             |
| 5200001990      | 01.02.2016   | -136.347,84                                                                            |
| 5200018286      | 30.06.2013   | 136.222,11                                                                             |
| 5200018686      | 01.07.2013   | -136.222,11                                                                            |
| 5200010279      | 31.03.2013   | 136.192,49                                                                             |
| 5200015553      | 31.05.2013   | 136.192,49                                                                             |
| 5200010622      | 01.04.2013   | -136.192,49                                                                            |
| 5200015913      | 01.06.2013   | -136.192,49                                                                            |
| 5200014696      | 30.06.2012   | 136.129,36                                                                             |
| 5200014986      | 01.07.2012   | -136.129,36                                                                            |
| 5200026515      | 30.09.2016   | 135.667,79                                                                             |
| 5200026971      | 01.10.2016   | -135.667,79                                                                            |
| 5200013645      | 30.04.2017   | 135.554,91                                                                             |
| 5200014202      | 01.05.2017   | -135.554,91                                                                            |
| 5200001483      | 31.01.2016   | 134.976,00                                                                             |
| 5200020372      | 31.07.2016   | 134.976,00                                                                             |
| 5200023333      | 31.08.2016   | 134.976,00                                                                             |
| 5200001974      | 01.02.2016   | -134.976,00                                                                            |
| 5200020842      | 01.08.2016   | -134.976,00                                                                            |
| 5200023796      | 01.09.2016   | -134.976,00                                                                            |
| 5200007811      | 31.07.2003   | 134.878,83                                                                             |
| 5200007839      | 01.08.2003   | -134.878,83                                                                            |
| 5200005283      | 29.02.2016   | 134.651,55                                                                             |
| 5200005803      | 01.03.2016   | -134.651,55                                                                            |
| 5200014367      | 31.05.2016   | 134.467,20                                                                             |
| 5200014842      | 01.06.2016   | -134.467,20                                                                            |
| 2705196         | 31.12.1994   | 134.202,88                                                                             |
| 2705216         | 02.01.1995   | -134.202,88                                                                            |
| 5200005314      | 29.02.2016   | 134.047,84                                                                             |
| 5200005834      | 01.03.2016   | -134.047,84                                                                            |
| 5200010213      | 31.03.2013   | 133.920,87                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200010556      | 01.04.2013   | -133.920,87                                                                            |
| 5200013642      | 30.04.2017   | 133.692,89                                                                             |
| 5200014199      | 01.05.2017   | -133.692,89                                                                            |
| 5200003178      | 28.02.2002   | 133.597,20                                                                             |
| 5200003206      | 01.03.2002   | -133.597,20                                                                            |
| 4300247388      | 30.11.2017   | -133.396,54                                                                            |
| 2720439         | 31.03.1996   | 133.305,34                                                                             |
| 2720446         | 04.04.1996   | -133.305,34                                                                            |
| 5200042435      | 31.12.2017   | 132.188,78                                                                             |
| 5200018157      | 31.07.2014   | 132.113,53                                                                             |
| 5200018580      | 01.08.2014   | -132.113,53                                                                            |
| 5200035503      | 31.10.2017   | 132.103,72                                                                             |
| 5200036059      | 01.11.2017   | -132.103,72                                                                            |
| 5200016644      | 30.06.2016   | 131.999,20                                                                             |
| 5200017105      | 01.07.2016   | -131.999,20                                                                            |
| 5200029562      | 31.10.2016   | 131.495,63                                                                             |
| 5200030013      | 01.11.2016   | -131.495,63                                                                            |
| 5200013745      | 31.10.2001   | 131.205,49                                                                             |
| 5200013783      | 01.11.2001   | -131.205,49                                                                            |
| 5200026153      | 30.09.2015   | 130.864,82                                                                             |
| 5200026568      | 01.10.2015   | -130.864,82                                                                            |
| 5000002157      | 31.12.2017   | 130.000,00                                                                             |
| 5000002075      | 31.12.2017   | 130.000,00                                                                             |
| 5200031648      | 30.11.2013   | 129.816,04                                                                             |
| 5200032004      | 01.12.2013   | -129.816,04                                                                            |
| 5200008942      | 31.08.2003   | 129.289,04                                                                             |
| 5200008968      | 01.09.2003   | -129.289,04                                                                            |
| 5200007599      | 30.06.2002   | 129.247,82                                                                             |
| 5200007622      | 01.07.2002   | -129.247,82                                                                            |
| 5200017450      | 30.06.2015   | 129.068,36                                                                             |
| 5200017803      | 01.07.2015   | -129.068,36                                                                            |
| 5200029566      | 31.10.2016   | 128.957,72                                                                             |
| 5200030017      | 01.11.2016   | -128.957,72                                                                            |
| 5200013765      | 31.10.2001   | 128.688,26                                                                             |
| 5200013803      | 01.11.2001   | -128.688,26                                                                            |
| 5200026514      | 30.09.2016   | 128.601,91                                                                             |
| 5200026970      | 01.10.2016   | -128.601,91                                                                            |
| 5200012905      | 30.04.2013   | 128.445,07                                                                             |
| 5200013256      | 01.05.2013   | -128.445,07                                                                            |
| 5200013650      | 30.04.2017   | 128.434,68                                                                             |
| 5200014207      | 01.05.2017   | -128.434,68                                                                            |
| 5200017452      | 31.07.2012   | 128.232,49                                                                             |
| 5200017738      | 01.08.2012   | -128.232,49                                                                            |
| 2763334         | 31.12.1998   | 128.076,99                                                                             |
| 2763341         | 06.01.1999   | -128.076,99                                                                            |
| 5200003006      | 31.01.2013   | 127.475,69                                                                             |
| 5200003348      | 01.02.2013   | -127.475,69                                                                            |
| 5200024388      | 31.07.2017   | 127.451,44                                                                             |
| 5200024937      | 01.08.2017   | -127.451,44                                                                            |
| 2705990         | 31.01.1995   | 127.107,52                                                                             |
| 2706004         | 07.02.1995   | -127.107,52                                                                            |
| 5200013859      | 30.04.2017   | 126.940,65                                                                             |
| 5200014416      | 01.05.2017   | -126.940,65                                                                            |
| 5200021258      | 31.07.2013   | 126.931,75                                                                             |
| 5200021615      | 01.08.2013   | -126.931,75                                                                            |
| 5200008943      | 31.08.2003   | 126.923,92                                                                             |
| 5200008969      | 01.09.2003   | -126.923,92                                                                            |
| 5200015199      | 30.06.2014   | 126.492,46                                                                             |
| 5200015629      | 01.07.2014   | -126.492,46                                                                            |
| 5200001334      | 31.01.2014   | 126.064,59                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001706      | 01.02.2014   | -126.064,59                                                                            |
| 5200017673      | 31.05.2017   | 125.945,68                                                                             |
| 5200018234      | 01.06.2017   | -125.945,68                                                                            |
| 5200006559      | 31.03.2012   | 125.709,41                                                                             |
| 5200006856      | 01.04.2012   | -125.709,41                                                                            |
| 5200012940      | 31.10.2002   | 125.499,99                                                                             |
| 5200012962      | 01.11.2002   | -125.499,99                                                                            |
| 5200015479      | 31.05.2013   | 125.128,35                                                                             |
| 5200015839      | 01.06.2013   | -125.128,35                                                                            |
| 5200006147      | 28.02.2017   | 125.085,42                                                                             |
| 5200006690      | 01.03.2017   | -125.085,42                                                                            |
| 5000001422      | 30.09.2017   | 125.000,00                                                                             |
| 5200029576      | 31.10.2016   | 124.945,28                                                                             |
| 5200030027      | 01.11.2016   | -124.945,28                                                                            |
| 5200042424      | 31.12.2017   | 124.894,46                                                                             |
| 4300296273      | 12.12.2017   | -124.122,99                                                                            |
| 5200021085      | 31.07.2013   | 124.022,85                                                                             |
| 5200021442      | 01.08.2013   | -124.022,85                                                                            |
| 5200040119      | 30.11.2017   | 123.962,15                                                                             |
| 5200040669      | 01.12.2017   | -123.962,15                                                                            |
| 5200015657      | 31.05.2013   | 123.926,59                                                                             |
| 5200016017      | 01.06.2013   | -123.926,59                                                                            |
| 5200005655      | 31.08.2001   | 123.524,25                                                                             |
| 5200005681      | 01.09.2001   | -123.524,25                                                                            |
| 5200021086      | 31.07.2013   | 123.402,31                                                                             |
| 5200021443      | 01.08.2013   | -123.402,31                                                                            |
| 5000002163      | 31.12.2017   | 123.400,00                                                                             |
| 5200034491      | 31.12.2016   | 123.342,58                                                                             |
| 5200000587      | 01.01.2017   | -123.342,58                                                                            |
| 5200026158      | 30.09.2015   | 123.196,16                                                                             |
| 5200026573      | 01.10.2015   | -123.196,16                                                                            |
| 5200028721      | 30.11.2012   | 123.076,26                                                                             |
| 5200029030      | 01.12.2012   | -123.076,26                                                                            |
| 5200035509      | 31.10.2017   | 122.889,93                                                                             |
| 5200036065      | 01.11.2017   | -122.889,93                                                                            |
| 5200001404      | 31.01.2002   | 122.520,53                                                                             |
| 5200001438      | 01.02.2002   | -122.520,53                                                                            |
| 5200009099      | 31.03.2017   | 122.469,56                                                                             |
| 5200009638      | 01.04.2017   | -122.469,56                                                                            |
| 5200022908      | 31.08.2015   | 122.410,62                                                                             |
| 5200023288      | 01.09.2015   | -122.410,62                                                                            |
| 5200028591      | 30.11.2012   | 122.106,65                                                                             |
| 5200028900      | 01.12.2012   | -122.106,65                                                                            |
| 2840404         | 31.07.1995   | 122.053,37                                                                             |
| 2840405         | 01.08.1995   | -122.053,37                                                                            |
| 5200031826      | 30.09.2017   | 122.005,83                                                                             |
| 5200032384      | 01.10.2017   | -122.005,83                                                                            |
| 5200005311      | 29.02.2016   | 122.001,42                                                                             |
| 5200005831      | 01.03.2016   | -122.001,42                                                                            |
| 5200008386      | 31.03.2016   | 121.678,62                                                                             |
| 5200008875      | 01.04.2016   | -121.678,62                                                                            |
| 2718101         | 31.01.1996   | 121.497,60                                                                             |
| 2718108         | 05.02.1996   | -121.497,60                                                                            |
| 5200000017      | 30.04.2001   | 121.006,80                                                                             |
| 5200000044      | 01.05.2001   | -121.006,80                                                                            |
| 5200014880      | 31.05.2015   | 120.514,77                                                                             |
| 5200015271      | 01.06.2015   | -120.514,77                                                                            |
| 5200029586      | 31.10.2016   | 120.345,05                                                                             |
| 5200032568      | 30.11.2016   | 120.345,05                                                                             |
| 5200034516      | 31.12.2016   | 120.345,05                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200002712      | 31.01.2017   | 120.345,05                                                                             |
| 5200005956      | 28.02.2017   | 120.345,05                                                                             |
| 5200009125      | 31.03.2017   | 120.345,05                                                                             |
| 5200013672      | 30.04.2017   | 120.345,05                                                                             |
| 5200017691      | 31.05.2017   | 120.345,05                                                                             |
| 5200021403      | 30.06.2017   | 120.345,05                                                                             |
| 5200030037      | 01.11.2016   | -120.345,05                                                                            |
| 5200033035      | 01.12.2016   | -120.345,05                                                                            |
| 5200000612      | 01.01.2017   | -120.345,05                                                                            |
| 5200003262      | 01.02.2017   | -120.345,05                                                                            |
| 5200006499      | 01.03.2017   | -120.345,05                                                                            |
| 5200009664      | 01.04.2017   | -120.345,05                                                                            |
| 5200014229      | 01.05.2017   | -120.345,05                                                                            |
| 5200018252      | 01.06.2017   | -120.345,05                                                                            |
| 5200021961      | 01.07.2017   | -120.345,05                                                                            |
| 5200007019      | 31.03.2014   | 120.321,69                                                                             |
| 5200007425      | 01.04.2014   | -120.321,69                                                                            |
| 5200014098      | 30.11.2002   | 120.259,61                                                                             |
| 5200014121      | 01.12.2002   | -120.259,61                                                                            |
| 5200032543      | 30.11.2016   | 119.959,30                                                                             |
| 5200033010      | 01.12.2016   | -119.959,30                                                                            |
| 5200021387      | 30.06.2017   | 119.757,33                                                                             |
| 5200021945      | 01.07.2017   | -119.757,33                                                                            |
| 2722723         | 31.05.1996   | 119.714,07                                                                             |
| 2722730         | 05.06.1996   | -119.714,07                                                                            |
| 5200026151      | 31.10.2014   | 119.691,99                                                                             |
| 5200026504      | 01.11.2014   | -119.691,99                                                                            |
| 5200036269      | 30.11.2001   | 119.646,18                                                                             |
| 5200036295      | 01.12.2001   | -119.646,18                                                                            |
| 5200029579      | 31.10.2016   | 119.334,52                                                                             |
| 5200030030      | 01.11.2016   | -119.334,52                                                                            |
| 5200002305      | 31.01.2012   | 119.238,64                                                                             |
| 5200002548      | 01.02.2012   | -119.238,64                                                                            |
| 5200020146      | 31.07.2015   | 119.225,62                                                                             |
| 5200020514      | 01.08.2015   | -119.225,62                                                                            |
| 5200001330      | 31.01.2014   | 119.054,74                                                                             |
| 5200001702      | 01.02.2014   | -119.054,74                                                                            |
| 5200012024      | 31.05.2012   | 119.004,69                                                                             |
| 5200012298      | 01.06.2012   | -119.004,69                                                                            |
| 5200035514      | 31.10.2017   | 118.903,71                                                                             |
| 5200036070      | 01.11.2017   | -118.903,71                                                                            |
| 5200031840      | 30.09.2017   | 118.474,09                                                                             |
| 5200032398      | 01.10.2017   | -118.474,09                                                                            |
| 5200012083      | 31.05.2012   | 118.343,66                                                                             |
| 5200012357      | 01.06.2012   | -118.343,66                                                                            |
| 5200004252      | 31.07.2001   | 118.298,90                                                                             |
| 5200004279      | 01.08.2001   | -118.298,90                                                                            |
| 5200032046      | 30.09.2017   | 118.055,42                                                                             |
| 5200032604      | 01.10.2017   | -118.055,42                                                                            |
| 5200009107      | 31.03.2017   | 117.527,43                                                                             |
| 5200009646      | 01.04.2017   | -117.527,43                                                                            |
| 5000001609      | 31.12.2015   | 117.500,00                                                                             |
| 5200033932      | 31.12.2013   | 117.479,48                                                                             |
| 5200000626      | 01.01.2014   | -117.479,48                                                                            |
| 5200026692      | 30.09.2016   | 117.029,05                                                                             |
| 5200027148      | 01.10.2016   | -117.029,05                                                                            |
| 5200023338      | 31.08.2016   | 116.836,36                                                                             |
| 5200023801      | 01.09.2016   | -116.836,36                                                                            |
| 2718834         | 29.02.1996   | 116.633,53                                                                             |
| 2718841         | 05.03.1996   | -116.633,53                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014556      | 31.05.2016   | 115.936,03                                                                             |
| 5200015031      | 01.06.2016   | -115.936,03                                                                            |
| 5200002166      | 31.01.2015   | 115.911,16                                                                             |
| 5200002590      | 01.02.2015   | -115.911,16                                                                            |
| 5200010543      | 31.08.2002   | 115.878,08                                                                             |
| 5200010567      | 01.09.2002   | -115.878,08                                                                            |
| 5200034665      | 31.12.2016   | 115.555,12                                                                             |
| 5200007794      | 31.07.2003   | 115.400,04                                                                             |
| 5200007822      | 01.08.2003   | -115.400,04                                                                            |
| 5200008969      | 30.04.2012   | 114.692,18                                                                             |
| 5200009247      | 01.05.2012   | -114.692,18                                                                            |
| 5200007654      | 31.03.2015   | 114.547,33                                                                             |
| 5200008058      | 01.04.2015   | -114.547,33                                                                            |
| 5200023688      | 31.08.2013   | 114.520,37                                                                             |
| 5200024041      | 01.09.2013   | -114.520,37                                                                            |
| 5200004506      | 31.03.2002   | 114.503,35                                                                             |
| 5200004527      | 01.04.2002   | -114.503,35                                                                            |
| 5200025831      | 31.10.2012   | 114.440,87                                                                             |
| 5200026136      | 01.11.2012   | -114.440,87                                                                            |
| 5200013073      | 30.04.2013   | 114.431,02                                                                             |
| 5200013424      | 01.05.2013   | -114.431,02                                                                            |
| 5200017879      | 31.05.2017   | 114.061,18                                                                             |
| 5200018440      | 01.06.2017   | -114.061,18                                                                            |
| 5200011771      | 31.10.2003   | 113.957,39                                                                             |
| 5200011795      | 01.11.2003   | -113.957,39                                                                            |
| 5200040331      | 30.11.2017   | 113.739,65                                                                             |
| 5200040881      | 01.12.2017   | -113.739,65                                                                            |
| 5000002163      | 31.12.2017   | 113.730,75                                                                             |
| 5000002216      | 31.12.2017   | -113.730,75                                                                            |
| 5200009307      | 31.03.2017   | 113.202,21                                                                             |
| 5200009846      | 01.04.2017   | -113.202,21                                                                            |
| 5200023695      | 31.08.2013   | 112.793,25                                                                             |
| 5200024048      | 01.09.2013   | -112.793,25                                                                            |
| 5200042642      | 31.12.2017   | 112.367,28                                                                             |
| 5200001728      | 31.05.2001   | 112.351,23                                                                             |
| 5200001755      | 01.06.2001   | -112.351,23                                                                            |
| 5200013638      | 30.04.2017   | 111.900,00                                                                             |
| 5200014195      | 01.05.2017   | -111.900,00                                                                            |
| 5200002205      | 31.01.2012   | 111.785,52                                                                             |
| 5200002448      | 01.02.2012   | -111.785,52                                                                            |
| 2726349         | 31.08.1996   | 111.496,66                                                                             |
| 2726356         | 04.09.1996   | -111.496,66                                                                            |
| 5200028130      | 31.08.2017   | 111.242,31                                                                             |
| 5200028692      | 01.09.2017   | -111.242,31                                                                            |
| 5200040114      | 30.11.2017   | 111.140,04                                                                             |
| 5200040664      | 01.12.2017   | -111.140,04                                                                            |
| 5200005725      | 30.04.2002   | 111.082,80                                                                             |
| 5200005748      | 01.05.2002   | -111.082,80                                                                            |
| 5200022913      | 31.08.2015   | 110.942,84                                                                             |
| 5200023293      | 01.09.2015   | -110.942,84                                                                            |
| 5200028359      | 31.08.2017   | 110.472,14                                                                             |
| 5200028921      | 01.09.2017   | -110.472,14                                                                            |
| 5200009089      | 31.03.2017   | 109.964,89                                                                             |
| 5200009628      | 01.04.2017   | -109.964,89                                                                            |
| 5200023694      | 31.08.2013   | 109.958,26                                                                             |
| 5200024047      | 01.09.2013   | -109.958,26                                                                            |
| 5200002126      | 31.01.2015   | 109.702,09                                                                             |
| 5200002550      | 01.02.2015   | -109.702,09                                                                            |
| 5200001488      | 31.01.2016   | 109.608,12                                                                             |
| 5200001979      | 01.02.2016   | -109.608,12                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004046      | 28.02.2014   | 109.353,09                                                                             |
| 5200004447      | 01.03.2014   | -109.353,09                                                                            |
| 5200032553      | 30.11.2016   | 109.103,00                                                                             |
| 5200033020      | 01.12.2016   | -109.103,00                                                                            |
| 2721610         | 30.04.1996   | 108.757,24                                                                             |
| 2721617         | 06.05.1996   | -108.757,24                                                                            |
| 5200009572      | 30.04.2014   | 108.752,33                                                                             |
| 5200009994      | 01.05.2014   | -108.752,33                                                                            |
| 5200020294      | 31.07.2015   | 108.320,96                                                                             |
| 5200020662      | 01.08.2015   | -108.320,96                                                                            |
| 5200016636      | 30.06.2016   | 108.169,23                                                                             |
| 5200017097      | 01.07.2016   | -108.169,23                                                                            |
| 5200013076      | 30.04.2013   | 108.137,43                                                                             |
| 5200013427      | 01.05.2013   | -108.137,43                                                                            |
| 5200024423      | 31.07.2017   | 108.105,05                                                                             |
| 5200028165      | 31.08.2017   | 108.105,05                                                                             |
| 5200031857      | 30.09.2017   | 108.105,05                                                                             |
| 5200035531      | 31.10.2017   | 108.105,05                                                                             |
| 5200040136      | 30.11.2017   | 108.105,05                                                                             |
| 5200042451      | 31.12.2017   | 108.105,05                                                                             |
| 5200024972      | 01.08.2017   | -108.105,05                                                                            |
| 5200028727      | 01.09.2017   | -108.105,05                                                                            |
| 5200032415      | 01.10.2017   | -108.105,05                                                                            |
| 5200036087      | 01.11.2017   | -108.105,05                                                                            |
| 5200040686      | 01.12.2017   | -108.105,05                                                                            |
| 5200012015      | 31.05.2012   | 107.696,05                                                                             |
| 5200012289      | 01.06.2012   | -107.696,05                                                                            |
| 5200024613      | 31.07.2017   | 107.543,98                                                                             |
| 5200025164      | 01.08.2017   | -107.543,98                                                                            |
| 5200023534      | 30.09.2014   | 107.500,30                                                                             |
| 5200023859      | 01.10.2014   | -107.500,30                                                                            |
| 5200035723      | 31.10.2017   | 107.100,64                                                                             |
| 5200036279      | 01.11.2017   | -107.100,64                                                                            |
| 5200003009      | 31.01.2013   | 106.763,45                                                                             |
| 5200003351      | 01.02.2013   | -106.763,45                                                                            |
| 5200029559      | 31.10.2016   | 105.830,09                                                                             |
| 5200032542      | 30.11.2016   | 105.830,09                                                                             |
| 5200034488      | 31.12.2016   | 105.830,09                                                                             |
| 5200002680      | 31.01.2017   | 105.830,09                                                                             |
| 5200005925      | 28.02.2017   | 105.830,09                                                                             |
| 5200009096      | 31.03.2017   | 105.830,09                                                                             |
| 5200030010      | 01.11.2016   | -105.830,09                                                                            |
| 5200033009      | 01.12.2016   | -105.830,09                                                                            |
| 5200000584      | 01.01.2017   | -105.830,09                                                                            |
| 5200003230      | 01.02.2017   | -105.830,09                                                                            |
| 5200006468      | 01.03.2017   | -105.830,09                                                                            |
| 5200009635      | 01.04.2017   | -105.830,09                                                                            |
| 2718104         | 31.01.1996   | 105.628,89                                                                             |
| 2718111         | 05.02.1996   | -105.628,89                                                                            |
| 5200002118      | 31.01.2015   | 105.475,65                                                                             |
| 5200002542      | 01.02.2015   | -105.475,65                                                                            |
| 5200021090      | 31.07.2013   | 105.464,94                                                                             |
| 5200021447      | 01.08.2013   | -105.464,94                                                                            |
| 5200031590      | 30.11.2013   | 105.421,76                                                                             |
| 5200031946      | 01.12.2013   | -105.421,76                                                                            |
| 5200016637      | 30.06.2016   | 105.307,11                                                                             |
| 5200017098      | 01.07.2016   | -105.307,11                                                                            |
| 5200014385      | 31.05.2016   | 105.152,15                                                                             |
| 5200014860      | 01.06.2016   | -105.152,15                                                                            |
| 5200020375      | 31.07.2016   | 104.807,43                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020845      | 01.08.2016   | -104.807,43                                                                            |
| 5200011720      | 30.09.2002   | 104.521,30                                                                             |
| 5200011743      | 01.10.2002   | -104.521,30                                                                            |
| 5200007368      | 28.02.2013   | 104.395,69                                                                             |
| 5200007701      | 01.03.2013   | -104.395,69                                                                            |
| 5200037329      | 31.12.2001   | 103.731,32                                                                             |
| 5200000577      | 01.01.2002   | -103.731,32                                                                            |
| 5200004532      | 28.02.2015   | 103.539,90                                                                             |
| 5200004963      | 01.03.2015   | -103.539,90                                                                            |
| 5200023540      | 30.09.2014   | 103.463,84                                                                             |
| 5200023865      | 01.10.2014   | -103.463,84                                                                            |
| 5200006757      | 30.06.2003   | 103.432,92                                                                             |
| 5200006783      | 01.07.2003   | -103.432,92                                                                            |
| 5200014393      | 31.05.2016   | 103.345,87                                                                             |
| 5200014868      | 01.06.2016   | -103.345,87                                                                            |
| 5200028143      | 31.08.2017   | 102.596,52                                                                             |
| 5200028705      | 01.09.2017   | -102.596,52                                                                            |
| 2736780         | 28.02.1997   | 102.485,03                                                                             |
| 2736787         | 05.03.1997   | -102.485,03                                                                            |
| 5200016638      | 30.06.2016   | 102.441,55                                                                             |
| 5200017099      | 01.07.2016   | -102.441,55                                                                            |
| 5200031140      | 31.12.2014   | 102.211,99                                                                             |
| 5200000467      | 01.01.2015   | -102.211,99                                                                            |
| 5200040111      | 30.11.2017   | 101.926,46                                                                             |
| 5200040661      | 01.12.2017   | -101.926,46                                                                            |
| 2725113         | 31.07.1996   | 101.654,09                                                                             |
| 2725120         | 05.08.1996   | -101.654,09                                                                            |
| 5200029736      | 31.10.2016   | 101.600,58                                                                             |
| 5200030187      | 01.11.2016   | -101.600,58                                                                            |
| 5200031143      | 31.12.2014   | 101.589,29                                                                             |
| 5200000470      | 01.01.2015   | -101.589,29                                                                            |
| 5200004493      | 31.03.2002   | 101.369,22                                                                             |
| 5200004514      | 01.04.2002   | -101.369,22                                                                            |
| 5200028970      | 31.10.2015   | 101.291,70                                                                             |
| 5200029378      | 01.11.2015   | -101.291,70                                                                            |
| 5200026419      | 30.09.2013   | 101.094,58                                                                             |
| 5200026788      | 01.10.2013   | -101.094,58                                                                            |
| 5200005936      | 28.02.2017   | 101.072,79                                                                             |
| 5200006479      | 01.03.2017   | -101.072,79                                                                            |
| 5200017670      | 31.05.2017   | 100.149,88                                                                             |
| 5200018231      | 01.06.2017   | -100.149,88                                                                            |
| 5000001375      | 30.11.2016   | 100.000,00                                                                             |
| 5200022167      | 30.09.2012   | 99.845,20                                                                              |
| 5200022461      | 01.10.2012   | -99.845,20                                                                             |
| 5200018217      | 30.06.2013   | 99.758,95                                                                              |
| 5200018617      | 01.07.2013   | -99.758,95                                                                             |
| 5200013756      | 31.10.2001   | 99.509,43                                                                              |
| 5200013794      | 01.11.2001   | -99.509,43                                                                             |
| 5200025902      | 31.10.2012   | 99.214,50                                                                              |
| 5200026207      | 01.11.2012   | -99.214,50                                                                             |
| 5200020095      | 31.12.2011   | 99.148,42                                                                              |
| 5200000568      | 01.01.2012   | -99.148,42                                                                             |
| 5200005731      | 31.05.2003   | 98.956,13                                                                              |
| 5200005758      | 01.06.2003   | -98.956,13                                                                             |
| 5200022223      | 30.09.2012   | 98.613,28                                                                              |
| 5200022517      | 01.10.2012   | -98.613,28                                                                             |
| 5200020093      | 31.12.2011   | 98.587,36                                                                              |
| 5200000566      | 01.01.2012   | -98.587,36                                                                             |
| 5200000617      | 01.01.2016   | -98.458,94                                                                             |
| 5200011733      | 30.09.2002   | 98.411,16                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200011756      | 01.10.2002   | -98.411,16                                                                             |
| 5200011826      | 30.04.2015   | 98.298,56                                                                              |
| 5200012240      | 01.05.2015   | -98.298,56                                                                             |
| 5000001137      | 30.09.2016   | 98.000,00                                                                              |
| 5000001747      | 31.12.2016   | 98.000,00                                                                              |
| 5200004671      | 30.04.2003   | 97.438,28                                                                              |
| 5200004699      | 01.05.2003   | -97.438,28                                                                             |
| 5200032715      | 30.11.2016   | 97.134,03                                                                              |
| 5200033182      | 01.12.2016   | -97.134,03                                                                             |
| 5200022903      | 31.08.2015   | 96.878,24                                                                              |
| 5200023283      | 01.09.2015   | -96.878,24                                                                             |
| 5200001332      | 31.01.2014   | 96.163,37                                                                              |
| 5200001704      | 01.02.2014   | -96.163,37                                                                             |
| 5200026571      | 30.09.2013   | 96.120,57                                                                              |
| 5200026940      | 01.10.2013   | -96.120,57                                                                             |
| 5200010267      | 30.09.2003   | 95.869,14                                                                              |
| 5200010293      | 01.10.2003   | -95.869,14                                                                             |
| 5200006812      | 31.03.2014   | 95.792,18                                                                              |
| 5200007218      | 01.04.2014   | -95.792,18                                                                             |
| 5200002117      | 31.01.2015   | 95.273,47                                                                              |
| 5200002541      | 01.02.2015   | -95.273,47                                                                             |
| 5200013173      | 30.11.2003   | 94.102,36                                                                              |
| 5200013196      | 01.12.2003   | -94.102,36                                                                             |
| 5200023342      | 31.08.2016   | 93.804,21                                                                              |
| 5200023805      | 01.09.2016   | -93.804,21                                                                             |
| 5200026418      | 30.09.2013   | 93.768,00                                                                              |
| 5200026787      | 01.10.2013   | -93.768,00                                                                             |
| 5200006806      | 31.03.2014   | 93.660,81                                                                              |
| 5200007212      | 01.04.2014   | -93.660,81                                                                             |
| 5200037326      | 31.12.2001   | 93.614,93                                                                              |
| 5200000574      | 01.01.2002   | -93.614,93                                                                             |
| 5200004235      | 31.07.2001   | 93.567,65                                                                              |
| 5200004262      | 01.08.2001   | -93.567,65                                                                             |
| 5200008920      | 30.04.2012   | 93.545,02                                                                              |
| 5200009198      | 01.05.2012   | -93.545,02                                                                             |
| 5200032545      | 30.11.2016   | 92.683,99                                                                              |
| 5200033012      | 01.12.2016   | -92.683,99                                                                             |
| 5200035506      | 31.10.2017   | 92.415,21                                                                              |
| 5200036062      | 01.11.2017   | -92.415,21                                                                             |
| 5200001496      | 31.01.2016   | 90.886,68                                                                              |
| 5200001987      | 01.02.2016   | -90.886,68                                                                             |
| 5200023515      | 31.08.2016   | 90.741,36                                                                              |
| 5200023978      | 01.09.2016   | -90.741,36                                                                             |
| 5200010270      | 31.03.2013   | 90.520,73                                                                              |
| 5200010613      | 01.04.2013   | -90.520,73                                                                             |
| 5200004160      | 29.02.2012   | 89.850,55                                                                              |
| 5200004432      | 01.03.2012   | -89.850,55                                                                             |
| 5200008397      | 31.03.2016   | 89.549,83                                                                              |
| 5200008886      | 01.04.2016   | -89.549,83                                                                             |
| 5200012898      | 30.04.2013   | 89.374,78                                                                              |
| 5200013249      | 01.05.2013   | -89.374,78                                                                             |
| 2532614         | 30.06.1998   | 89.350,54                                                                              |
| 2532615         | 01.07.1998   | -89.350,54                                                                             |
| 5200002308      | 31.01.2015   | 89.236,74                                                                              |
| 5200002732      | 01.02.2015   | -89.236,74                                                                             |
| 5200031917      | 30.11.2015   | 88.437,04                                                                              |
| 5200032320      | 01.12.2015   | -88.437,04                                                                             |
| 5200034490      | 31.12.2016   | 87.967,38                                                                              |
| 5200000586      | 01.01.2017   | -87.967,38                                                                             |
| 5200012259      | 31.05.2014   | 87.942,86                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200012706      | 01.06.2014   | -87.942,86                                                                             |
| 5200003180      | 28.02.2002   | 87.777,97                                                                              |
| 5200003208      | 01.03.2002   | -87.777,97                                                                             |
| 5200004055      | 29.02.2012   | 87.734,58                                                                              |
| 5200004327      | 01.03.2012   | -87.734,58                                                                             |
| 5200007616      | 30.06.2002   | 87.598,78                                                                              |
| 5200007639      | 01.07.2002   | -87.598,78                                                                             |
| 5200016819      | 30.06.2016   | 87.412,77                                                                              |
| 5200017280      | 01.07.2016   | -87.412,77                                                                             |
| 5200001726      | 31.05.2001   | 86.946,72                                                                              |
| 5200001753      | 01.06.2001   | -86.946,72                                                                             |
| 5200028589      | 30.11.2012   | 86.586,35                                                                              |
| 5200028898      | 01.12.2012   | -86.586,35                                                                             |
| 5200013656      | 30.04.2017   | 86.569,20                                                                              |
| 5200014213      | 01.05.2017   | -86.569,20                                                                             |
| 5200004044      | 28.02.2014   | 86.514,51                                                                              |
| 5200004445      | 01.03.2014   | -86.514,51                                                                             |
| 5200004497      | 31.03.2002   | 86.316,40                                                                              |
| 5200004518      | 01.04.2002   | -86.316,40                                                                             |
| 5200042673      | 31.12.2017   | 86.037,20                                                                              |
| 5200013636      | 30.04.2017   | 86.026,54                                                                              |
| 5200014193      | 01.05.2017   | -86.026,54                                                                             |
| 5000000261      | 31.03.2016   | 86.000,00                                                                              |
| 5000000730      | 30.06.2016   | 86.000,00                                                                              |
| 5200021379      | 30.06.2017   | 85.867,96                                                                              |
| 5200021937      | 01.07.2017   | -85.867,96                                                                             |
| 5200033792      | 31.12.2013   | 85.822,78                                                                              |
| 5200000486      | 01.01.2014   | -85.822,78                                                                             |
| 5200014383      | 31.05.2016   | 85.301,32                                                                              |
| 5200014858      | 01.06.2016   | -85.301,32                                                                             |
| 5200017444      | 30.06.2015   | 85.244,11                                                                              |
| 5200017797      | 01.07.2015   | -85.244,11                                                                             |
| 5200007825      | 31.03.2015   | 85.022,29                                                                              |
| 5200008229      | 01.04.2015   | -85.022,29                                                                             |
| 5200009566      | 30.04.2014   | 84.717,16                                                                              |
| 5200009988      | 01.05.2014   | -84.717,16                                                                             |
| 5200002497      | 28.02.2003   | 84.639,48                                                                              |
| 5200002524      | 01.03.2003   | -84.639,48                                                                             |
| 5000002157      | 31.12.2017   | 84.500,00                                                                              |
| 5200006810      | 31.03.2014   | 84.496,92                                                                              |
| 5200007216      | 01.04.2014   | -84.496,92                                                                             |
| 5200026412      | 30.09.2013   | 84.107,73                                                                              |
| 5200026781      | 01.10.2013   | -84.107,73                                                                             |
| 5200017445      | 31.07.2012   | 83.970,10                                                                              |
| 5200017731      | 01.08.2012   | -83.970,10                                                                             |
| 5200014648      | 30.06.2012   | 83.372,78                                                                              |
| 5200014938      | 01.07.2012   | -83.372,78                                                                             |
| 5200014726      | 31.05.2015   | 83.355,69                                                                              |
| 5200015117      | 01.06.2015   | -83.355,69                                                                             |
| 5200034492      | 31.12.2016   | 83.225,00                                                                              |
| 5200002685      | 31.01.2017   | 83.225,00                                                                              |
| 5200000588      | 01.01.2017   | -83.225,00                                                                             |
| 5200003235      | 01.02.2017   | -83.225,00                                                                             |
| 5200031916      | 30.11.2015   | 83.219,99                                                                              |
| 5200032319      | 01.12.2015   | -83.219,99                                                                             |
| 5200012904      | 30.04.2013   | 82.568,33                                                                              |
| 5200013255      | 01.05.2013   | -82.568,33                                                                             |
| 5200003010      | 31.01.2013   | 82.383,28                                                                              |
| 5200003352      | 01.02.2013   | -82.383,28                                                                             |
| 5000002163      | 31.12.2017   | 82.339,55                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007657      | 31.03.2015   | 82.263,94                                                                              |
| 5200008061      | 01.04.2015   | -82.263,94                                                                             |
| 5200005922      | 28.02.2017   | 82.115,74                                                                              |
| 5200006465      | 01.03.2017   | -82.115,74                                                                             |
| 5200025837      | 31.10.2012   | 82.020,97                                                                              |
| 5200026142      | 01.11.2012   | -82.020,97                                                                             |
| 5200025782      | 31.10.2012   | 81.962,63                                                                              |
| 5200026087      | 01.11.2012   | -81.962,63                                                                             |
| 5200028805      | 30.11.2014   | 81.795,81                                                                              |
| 5200029169      | 01.12.2014   | -81.795,81                                                                             |
| 5200023335      | 31.08.2016   | 81.342,52                                                                              |
| 5200023798      | 01.09.2016   | -81.342,52                                                                             |
| 5000002157      | 31.12.2017   | 81.250,00                                                                              |
| 5200008394      | 31.03.2016   | 80.916,42                                                                              |
| 5200008883      | 01.04.2016   | -80.916,42                                                                             |
| 5200013649      | 30.04.2017   | 80.796,55                                                                              |
| 5200014206      | 01.05.2017   | -80.796,55                                                                             |
| 5200026158      | 31.10.2014   | 80.614,55                                                                              |
| 5200026511      | 01.11.2014   | -80.614,55                                                                             |
| 5200032063      | 30.11.2015   | 80.504,31                                                                              |
| 5200032466      | 01.12.2015   | -80.504,31                                                                             |
| 5200017447      | 30.06.2015   | 80.492,78                                                                              |
| 5200017800      | 01.07.2015   | -80.492,78                                                                             |
| 5200017585      | 30.06.2015   | 80.218,24                                                                              |
| 5200017938      | 01.07.2015   | -80.218,24                                                                             |
| 5200024399      | 31.07.2017   | 79.910,36                                                                              |
| 5200024948      | 01.08.2017   | -79.910,36                                                                             |
| 5200034651      | 31.12.2016   | 79.606,41                                                                              |
| 5200000747      | 01.01.2017   | -79.606,41                                                                             |
| 5200003144      | 31.01.2013   | 79.458,35                                                                              |
| 5200003485      | 01.02.2013   | -79.458,35                                                                             |
| 5200031912      | 30.11.2015   | 79.423,33                                                                              |
| 5200032315      | 01.12.2015   | -79.423,33                                                                             |
| 5200021088      | 31.07.2013   | 79.368,49                                                                              |
| 5200021445      | 01.08.2013   | -79.368,49                                                                             |
| 5200032701      | 30.11.2016   | 79.288,29                                                                              |
| 5200033168      | 01.12.2016   | -79.288,29                                                                             |
| 2723829         | 30.06.1996   | 79.233,68                                                                              |
| 2723836         | 03.07.1996   | -79.233,68                                                                             |
| 5200017495      | 30.06.2015   | 78.847,48                                                                              |
| 5200017848      | 01.07.2015   | -78.847,48                                                                             |
| 5200007812      | 31.07.2003   | 78.833,84                                                                              |
| 5200007840      | 01.08.2003   | -78.833,84                                                                             |
| 5200029099      | 31.10.2013   | 78.768,09                                                                              |
| 5200029441      | 01.11.2013   | -78.768,09                                                                             |
| 5200026152      | 31.10.2014   | 78.636,18                                                                              |
| 5200026505      | 01.11.2014   | -78.636,18                                                                             |
| 5200031594      | 30.11.2013   | 78.364,50                                                                              |
| 5200031950      | 01.12.2013   | -78.364,50                                                                             |
| 5200042427      | 31.12.2017   | 78.329,86                                                                              |
| 5200029571      | 31.10.2016   | 78.205,36                                                                              |
| 5200030022      | 01.11.2016   | -78.205,36                                                                             |
| 5200020154      | 31.07.2015   | 77.740,92                                                                              |
| 5200020522      | 01.08.2015   | -77.740,92                                                                             |
| 5200004600      | 28.02.2015   | 77.724,48                                                                              |
| 5200005031      | 01.03.2015   | -77.724,48                                                                             |
| 5200016656      | 30.06.2016   | 77.373,62                                                                              |
| 5200017117      | 01.07.2016   | -77.373,62                                                                             |
| 5000001631      | 31.12.2015   | 77.000,00                                                                              |
| 5200031018      | 31.12.2012   | 76.994,60                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000635      | 01.01.2013   | -76.994,60                                                                             |
| 5200020377      | 31.07.2016   | 76.900,62                                                                              |
| 5200020847      | 01.08.2016   | -76.900,62                                                                             |
| 5200025792      | 31.10.2012   | 76.889,87                                                                              |
| 5200026097      | 01.11.2012   | -76.889,87                                                                             |
| 5200012967      | 30.04.2013   | 76.851,66                                                                              |
| 5200013318      | 01.05.2013   | -76.851,66                                                                             |
| 5200003060      | 31.01.2013   | 76.822,37                                                                              |
| 5200003402      | 01.02.2013   | -76.822,37                                                                             |
| 5200026522      | 30.09.2016   | 76.724,06                                                                              |
| 5200026978      | 01.10.2016   | -76.724,06                                                                             |
| 5200005749      | 31.05.2003   | 76.596,42                                                                              |
| 5200005776      | 01.06.2003   | -76.596,42                                                                             |
| 5200023339      | 31.08.2016   | 76.579,71                                                                              |
| 5200023802      | 01.09.2016   | -76.579,71                                                                             |
| 5200016642      | 30.06.2016   | 76.534,50                                                                              |
| 5200017103      | 01.07.2016   | -76.534,50                                                                             |
| 5200042419      | 31.12.2017   | 76.294,33                                                                              |
| 5200017675      | 31.05.2017   | 76.287,59                                                                              |
| 5200018236      | 01.06.2017   | -76.287,59                                                                             |
| 5200014652      | 30.06.2012   | 76.258,99                                                                              |
| 5200014942      | 01.07.2012   | -76.258,99                                                                             |
| 5200026516      | 30.09.2016   | 76.250,03                                                                              |
| 5200026972      | 01.10.2016   | -76.250,03                                                                             |
| 5200001397      | 31.01.2003   | 76.247,10                                                                              |
| 5200001424      | 01.02.2003   | -76.247,10                                                                             |
| 5200018276      | 30.06.2013   | 76.239,21                                                                              |
| 5200018676      | 01.07.2013   | -76.239,21                                                                             |
| 5200017667      | 31.05.2017   | 76.229,86                                                                              |
| 5200028140      | 31.08.2017   | 76.229,86                                                                              |
| 5200031832      | 30.09.2017   | 76.229,86                                                                              |
| 5200018228      | 01.06.2017   | -76.229,86                                                                             |
| 5200028702      | 01.09.2017   | -76.229,86                                                                             |
| 5200032390      | 01.10.2017   | -76.229,86                                                                             |
| 5200029564      | 31.10.2016   | 76.166,72                                                                              |
| 5200030015      | 01.11.2016   | -76.166,72                                                                             |
| 5200032546      | 30.11.2016   | 76.125,00                                                                              |
| 5200009101      | 31.03.2017   | 76.125,00                                                                              |
| 5200033013      | 01.12.2016   | -76.125,00                                                                             |
| 5200009640      | 01.04.2017   | -76.125,00                                                                             |
| 5200014702      | 31.12.2002   | 76.000,21                                                                              |
| 5200000478      | 01.01.2003   | -76.000,21                                                                             |
| 5200015481      | 31.05.2013   | 75.746,10                                                                              |
| 5200015841      | 01.06.2013   | -75.746,10                                                                             |
| 5200004419      | 28.02.2015   | 75.706,77                                                                              |
| 5200004850      | 01.03.2015   | -75.706,77                                                                             |
| 5200006114      | 30.09.2001   | 75.602,58                                                                              |
| 5200006141      | 01.10.2001   | -75.602,58                                                                             |
| 5200023855      | 31.08.2013   | 75.445,13                                                                              |
| 5200024208      | 01.09.2013   | -75.445,13                                                                             |
| 5000002216      | 31.12.2017   | -75.298,00                                                                             |
| 5200018373      | 30.06.2013   | 75.223,52                                                                              |
| 5200021242      | 31.07.2013   | 75.223,52                                                                              |
| 5200018773      | 01.07.2013   | -75.223,52                                                                             |
| 5200021599      | 01.08.2013   | -75.223,52                                                                             |
| 5200017453      | 31.07.2012   | 74.801,29                                                                              |
| 5200017739      | 01.08.2012   | -74.801,29                                                                             |
| 5200026694      | 30.09.2016   | 74.767,54                                                                              |
| 5200027150      | 01.10.2016   | -74.767,54                                                                             |
| 5200002882      | 31.01.2017   | 74.595,49                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003432      | 01.02.2017   | -74.595,49                                                                             |
| 5200009346      | 31.07.2002   | 74.410,48                                                                              |
| 5200009370      | 01.08.2002   | -74.410,48                                                                             |
| 5200016807      | 30.06.2016   | 74.378,30                                                                              |
| 5200017268      | 01.07.2016   | -74.378,30                                                                             |
| 5200040333      | 30.11.2017   | 74.222,94                                                                              |
| 5200040883      | 01.12.2017   | -74.222,94                                                                             |
| 5200016643      | 30.06.2016   | 74.066,23                                                                              |
| 5200017104      | 01.07.2016   | -74.066,23                                                                             |
| 5200012253      | 31.05.2014   | 74.047,06                                                                              |
| 5200012700      | 01.06.2014   | -74.047,06                                                                             |
| 5200006124      | 30.09.2001   | 74.046,54                                                                              |
| 5200006151      | 01.10.2001   | -74.046,54                                                                             |
| 5200020296      | 31.07.2015   | 73.628,57                                                                              |
| 5200020664      | 01.08.2015   | -73.628,57                                                                             |
| 5200007665      | 31.03.2015   | 73.608,29                                                                              |
| 5200008069      | 01.04.2015   | -73.608,29                                                                             |
| 5200006132      | 28.02.2017   | 72.667,76                                                                              |
| 5200006675      | 01.03.2017   | -72.667,76                                                                             |
| 5200006882      | 31.03.2014   | 72.645,96                                                                              |
| 5200007288      | 01.04.2014   | -72.645,96                                                                             |
| 5200009294      | 31.03.2017   | 72.558,55                                                                              |
| 5200009833      | 01.04.2017   | -72.558,55                                                                             |
| 5200001493      | 31.01.2016   | 72.544,76                                                                              |
| 5200001984      | 01.02.2016   | -72.544,76                                                                             |
| 5200013846      | 30.04.2017   | 72.383,38                                                                              |
| 5200014403      | 01.05.2017   | -72.383,38                                                                             |
| 5200024600      | 31.07.2017   | 72.332,36                                                                              |
| 5200025149      | 01.08.2017   | -72.332,36                                                                             |
| 5200035710      | 31.10.2017   | 72.321,90                                                                              |
| 5200036266      | 01.11.2017   | -72.321,90                                                                             |
| 5200028346      | 31.08.2017   | 72.316,98                                                                              |
| 5200032033      | 30.09.2017   | 72.316,98                                                                              |
| 5200040318      | 30.11.2017   | 72.316,98                                                                              |
| 5200028908      | 01.09.2017   | -72.316,98                                                                             |
| 5200032591      | 01.10.2017   | -72.316,98                                                                             |
| 5200040868      | 01.12.2017   | -72.316,98                                                                             |
| 5200017866      | 31.05.2017   | 72.311,15                                                                              |
| 5200018427      | 01.06.2017   | -72.311,15                                                                             |
| 5200021581      | 30.06.2017   | 72.311,14                                                                              |
| 5200022139      | 01.07.2017   | -72.311,14                                                                             |
| 5200002695      | 31.01.2017   | 72.138,71                                                                              |
| 5200003245      | 01.02.2017   | -72.138,71                                                                             |
| 5200042629      | 31.12.2017   | 72.011,84                                                                              |
| 5200007419      | 28.02.2013   | 71.894,64                                                                              |
| 5200007752      | 01.03.2013   | -71.894,64                                                                             |
| 5200033759      | 31.12.2015   | 71.829,42                                                                              |
| 5200000473      | 01.01.2016   | -71.829,42                                                                             |
| 5200010709      | 30.04.2016   | 71.796,65                                                                              |
| 5200011193      | 01.05.2016   | -71.796,65                                                                             |
| 5200031835      | 30.09.2017   | 71.723,53                                                                              |
| 5200032393      | 01.10.2017   | -71.723,53                                                                             |
| 5200007650      | 31.03.2015   | 71.621,42                                                                              |
| 5200008054      | 01.04.2015   | -71.621,42                                                                             |
| 5200020446      | 31.07.2016   | 71.586,39                                                                              |
| 5200020916      | 01.08.2016   | -71.586,39                                                                             |
| 5200010866      | 30.04.2016   | 71.361,39                                                                              |
| 5200011350      | 01.05.2016   | -71.361,39                                                                             |
| 5200005290      | 29.02.2016   | 71.280,00                                                                              |
| 5200005810      | 01.03.2016   | -71.280,00                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020100      | 31.12.2011   | 71.226,19                                                                              |
| 5200000573      | 01.01.2012   | -71.226,19                                                                             |
| 5000002033      | 31.12.2017   | 71.000,00                                                                              |
| 5200014882      | 31.05.2015   | 70.932,84                                                                              |
| 5200015273      | 01.06.2015   | -70.932,84                                                                             |
| 5200028811      | 30.11.2014   | 70.823,50                                                                              |
| 5200029175      | 01.12.2014   | -70.823,50                                                                             |
| 5200014372      | 31.05.2016   | 70.550,76                                                                              |
| 5200014847      | 01.06.2016   | -70.550,76                                                                             |
| 5200005500      | 29.02.2016   | 70.477,19                                                                              |
| 5200006020      | 01.03.2016   | -70.477,19                                                                             |
| 5200020391      | 31.07.2016   | 70.449,57                                                                              |
| 5200020861      | 01.08.2016   | -70.449,57                                                                             |
| 5200012007      | 30.04.2015   | 70.435,80                                                                              |
| 5200012421      | 01.05.2015   | -70.435,80                                                                             |
| 2530145         | 02.01.1998   | 70.350,99                                                                              |
| 2530144         | 31.12.1997   | -70.350,99                                                                             |
| 5200033903      | 31.12.2015   | 70.327,82                                                                              |
| 5200008392      | 31.03.2016   | 70.314,44                                                                              |
| 5200008881      | 01.04.2016   | -70.314,44                                                                             |
| 5200003612      | 31.03.2003   | 70.134,32                                                                              |
| 5200003640      | 01.04.2003   | -70.134,32                                                                             |
| 5200031833      | 30.09.2017   | 69.999,93                                                                              |
| 5200032391      | 01.10.2017   | -69.999,93                                                                             |
| 5200017493      | 31.07.2012   | 69.950,87                                                                              |
| 5200017779      | 01.08.2012   | -69.950,87                                                                             |
| 5200007615      | 30.06.2002   | 69.588,37                                                                              |
| 5200007638      | 01.07.2002   | -69.588,37                                                                             |
| 5200005310      | 29.02.2016   | 69.582,98                                                                              |
| 5200005830      | 01.03.2016   | -69.582,98                                                                             |
| 5200010715      | 30.04.2016   | 69.314,44                                                                              |
| 5200011199      | 01.05.2016   | -69.314,44                                                                             |
| 5200035507      | 31.10.2017   | 69.122,69                                                                              |
| 5200036063      | 01.11.2017   | -69.122,69                                                                             |
| 5200020101      | 31.08.2012   | 69.054,37                                                                              |
| 5200020387      | 01.09.2012   | -69.054,37                                                                             |
| 5200021123      | 31.07.2013   | 69.048,07                                                                              |
| 5200021480      | 01.08.2013   | -69.048,07                                                                             |
| 5200014758      | 30.06.2012   | 69.005,07                                                                              |
| 5200015048      | 01.07.2012   | -69.005,07                                                                             |
| 5000002157      | 31.12.2017   | 69.000,00                                                                              |
| 5200026452      | 30.09.2013   | 68.639,69                                                                              |
| 5200026821      | 01.10.2013   | -68.639,69                                                                             |
| 5200005938      | 28.02.2017   | 68.560,04                                                                              |
| 5200006481      | 01.03.2017   | -68.560,04                                                                             |
| 5200031626      | 30.11.2013   | 68.438,44                                                                              |
| 5200031982      | 01.12.2013   | -68.438,44                                                                             |
| 5200017457      | 30.06.2015   | 68.419,20                                                                              |
| 5200017810      | 01.07.2015   | -68.419,20                                                                             |
| 5200026529      | 30.09.2016   | 67.985,52                                                                              |
| 5200026985      | 01.10.2016   | -67.985,52                                                                             |
| 5200029131      | 31.10.2015   | 67.836,37                                                                              |
| 5200029539      | 01.11.2015   | -67.836,37                                                                             |
| 5200031052      | 31.12.2012   | 67.802,82                                                                              |
| 5200000669      | 01.01.2013   | -67.802,82                                                                             |
| 5200023698      | 31.08.2013   | 67.789,72                                                                              |
| 5200024051      | 01.09.2013   | -67.789,72                                                                             |
| 5200033798      | 31.12.2013   | 67.772,88                                                                              |
| 5200000492      | 01.01.2014   | -67.772,88                                                                             |
| 5200010883      | 30.04.2016   | 67.740,29                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200011367      | 01.05.2016   | -67.740,29                                                                             |
| 5200005930      | 28.02.2017   | 67.637,06                                                                              |
| 5200006473      | 01.03.2017   | -67.637,06                                                                             |
| 5200023347      | 31.08.2016   | 67.607,68                                                                              |
| 5200023810      | 01.09.2016   | -67.607,68                                                                             |
| 5200014388      | 31.05.2016   | 67.488,00                                                                              |
| 5200016659      | 30.06.2016   | 67.488,00                                                                              |
| 5200020394      | 31.07.2016   | 67.488,00                                                                              |
| 5200023356      | 31.08.2016   | 67.488,00                                                                              |
| 5200026532      | 30.09.2016   | 67.488,00                                                                              |
| 5200014863      | 01.06.2016   | -67.488,00                                                                             |
| 5200017120      | 01.07.2016   | -67.488,00                                                                             |
| 5200020864      | 01.08.2016   | -67.488,00                                                                             |
| 5200023819      | 01.09.2016   | -67.488,00                                                                             |
| 5200026988      | 01.10.2016   | -67.488,00                                                                             |
| 5200020379      | 31.07.2016   | 67.352,67                                                                              |
| 5200020849      | 01.08.2016   | -67.352,67                                                                             |
| 5200005287      | 29.02.2016   | 67.335,20                                                                              |
| 5200005807      | 01.03.2016   | -67.335,20                                                                             |
| 5200015197      | 30.06.2014   | 67.252,40                                                                              |
| 5200015627      | 01.07.2014   | -67.252,40                                                                             |
| 5200008371      | 31.03.2016   | 67.218,40                                                                              |
| 5200008860      | 01.04.2016   | -67.218,40                                                                             |
| 5200015543      | 31.05.2013   | 67.074,21                                                                              |
| 5200015903      | 01.06.2013   | -67.074,21                                                                             |
| 5200008927      | 30.04.2012   | 67.073,67                                                                              |
| 5200009205      | 01.05.2012   | -67.073,67                                                                             |
| 5200001398      | 31.01.2003   | 67.043,75                                                                              |
| 5200001425      | 01.02.2003   | -67.043,75                                                                             |
| 5200020878      | 31.08.2014   | 66.983,84                                                                              |
| 5200021311      | 01.09.2014   | -66.983,84                                                                             |
| 5200002694      | 31.01.2017   | 66.884,15                                                                              |
| 5200003244      | 01.02.2017   | -66.884,15                                                                             |
| 5200014373      | 31.05.2016   | 66.869,50                                                                              |
| 5200014848      | 01.06.2016   | -66.869,50                                                                             |
| 5200004040      | 28.02.2014   | 66.614,03                                                                              |
| 5200004441      | 01.03.2014   | -66.614,03                                                                             |
| 5200021380      | 30.06.2017   | 66.609,15                                                                              |
| 5200021938      | 01.07.2017   | -66.609,15                                                                             |
| 5200011974      | 31.05.2012   | 66.369,33                                                                              |
| 5200012248      | 01.06.2012   | -66.369,33                                                                             |
| 5200014729      | 31.05.2015   | 66.221,09                                                                              |
| 5200015120      | 01.06.2015   | -66.221,09                                                                             |
| 5200012909      | 30.04.2013   | 65.966,53                                                                              |
| 5200013260      | 01.05.2013   | -65.966,53                                                                             |
| 5200031759      | 30.11.2013   | 65.950,95                                                                              |
| 5200032115      | 01.12.2013   | -65.950,95                                                                             |
| 5200031906      | 30.11.2015   | 65.882,99                                                                              |
| 5200032309      | 01.12.2015   | -65.882,99                                                                             |
| 5200000018      | 30.04.2001   | 65.684,40                                                                              |
| 5200000045      | 01.05.2001   | -65.684,40                                                                             |
| 5200020389      | 31.07.2016   | 65.411,68                                                                              |
| 5200020859      | 01.08.2016   | -65.411,68                                                                             |
| 5200023340      | 31.08.2016   | 65.401,20                                                                              |
| 5200023803      | 01.09.2016   | -65.401,20                                                                             |
| 5200016654      | 30.06.2016   | 65.399,92                                                                              |
| 5200017115      | 01.07.2016   | -65.399,92                                                                             |
| 5200014391      | 31.05.2016   | 65.349,00                                                                              |
| 5200014866      | 01.06.2016   | -65.349,00                                                                             |
| 5200026317      | 30.09.2015   | 65.145,64                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026732      | 01.10.2015   | -65.145,64                                                                             |
| 5200034499      | 31.12.2016   | 65.081,21                                                                              |
| 5200000595      | 01.01.2017   | -65.081,21                                                                             |
| 5000000509      | 31.03.2017   | 65.000,00                                                                              |
| 5000000902      | 30.06.2017   | 65.000,00                                                                              |
| 5000001405      | 30.09.2017   | 65.000,00                                                                              |
| 5200040103      | 30.11.2017   | 64.969,33                                                                              |
| 5200040653      | 01.12.2017   | -64.969,33                                                                             |
| 5200017587      | 30.06.2015   | 64.916,17                                                                              |
| 5200017940      | 01.07.2015   | -64.916,17                                                                             |
| 5200032065      | 30.11.2015   | 64.845,59                                                                              |
| 5200032468      | 01.12.2015   | -64.845,59                                                                             |
| 5200008918      | 30.04.2012   | 64.738,87                                                                              |
| 5200009196      | 01.05.2012   | -64.738,87                                                                             |
| 5200014369      | 31.05.2016   | 64.705,32                                                                              |
| 5200014844      | 01.06.2016   | -64.705,32                                                                             |
| 5200017658      | 31.05.2017   | 64.570,63                                                                              |
| 5200018219      | 01.06.2017   | -64.570,63                                                                             |
| 5200009102      | 31.03.2017   | 64.552,39                                                                              |
| 5200009641      | 01.04.2017   | -64.552,39                                                                             |
| 5200012911      | 30.04.2013   | 64.489,50                                                                              |
| 5200013262      | 01.05.2013   | -64.489,50                                                                             |
| 5200020141      | 31.07.2015   | 64.429,40                                                                              |
| 5200020509      | 01.08.2015   | -64.429,40                                                                             |
| 5200014386      | 31.05.2016   | 64.364,34                                                                              |
| 5200014861      | 01.06.2016   | -64.364,34                                                                             |
| 5200006123      | 30.09.2001   | 64.255,02                                                                              |
| 5200006150      | 01.10.2001   | -64.255,02                                                                             |
| 5200001672      | 31.01.2016   | 64.250,57                                                                              |
| 5200002163      | 01.02.2016   | -64.250,57                                                                             |
| 5200028600      | 30.11.2012   | 64.238,73                                                                              |
| 5200028909      | 01.12.2012   | -64.238,73                                                                             |
| 5200005309      | 29.02.2016   | 63.949,98                                                                              |
| 5200005829      | 01.03.2016   | -63.949,98                                                                             |
| 5200003133      | 30.06.2001   | 63.545,65                                                                              |
| 5200003171      | 01.07.2001   | -63.545,65                                                                             |
| 5200023054      | 31.08.2015   | 63.500,19                                                                              |
| 5200023434      | 01.09.2015   | -63.500,19                                                                             |
| 2713401         | 30.09.1995   | 63.481,81                                                                              |
| 2713427         | 05.10.1995   | -63.481,81                                                                             |
| 5200004112      | 28.02.2014   | 63.007,37                                                                              |
| 5200004513      | 01.03.2014   | -63.007,37                                                                             |
| 5200016648      | 30.06.2016   | 62.582,05                                                                              |
| 5200017109      | 01.07.2016   | -62.582,05                                                                             |
| 5200006973      | 31.05.2002   | 62.543,48                                                                              |
| 5200006987      | 01.06.2002   | -62.543,48                                                                             |
| 5200017515      | 31.07.2012   | 62.505,21                                                                              |
| 5200017801      | 01.08.2012   | -62.505,21                                                                             |
| 5200029133      | 31.10.2015   | 62.406,11                                                                              |
| 5200029541      | 01.11.2015   | -62.406,11                                                                             |
| 5200033821      | 31.12.2013   | 62.308,71                                                                              |
| 5200000515      | 01.01.2014   | -62.308,71                                                                             |
| 5200026523      | 30.09.2016   | 62.216,42                                                                              |
| 5200026979      | 01.10.2016   | -62.216,42                                                                             |
| 5200010689      | 30.04.2016   | 62.200,64                                                                              |
| 5200011173      | 01.05.2016   | -62.200,64                                                                             |
| 5200008572      | 31.03.2016   | 62.191,69                                                                              |
| 5200009061      | 01.04.2016   | -62.191,69                                                                             |
| 5200015484      | 31.05.2013   | 62.161,72                                                                              |
| 5200015844      | 01.06.2013   | -62.161,72                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200032561      | 30.11.2016   | 62.149,12                                                                              |
| 5200033028      | 01.12.2016   | -62.149,12                                                                             |
| 5200026156      | 31.10.2014   | 62.105,11                                                                              |
| 5200026509      | 01.11.2014   | -62.105,11                                                                             |
| 5200020100      | 31.08.2012   | 61.985,59                                                                              |
| 5200020386      | 01.09.2012   | -61.985,59                                                                             |
| 5200026517      | 30.09.2016   | 61.886,36                                                                              |
| 5200026973      | 01.10.2016   | -61.886,36                                                                             |
| 2707998         | 31.03.1995   | 61.729,32                                                                              |
| 2707923         | 07.04.1995   | -61.729,32                                                                             |
| 5200028141      | 31.08.2017   | 61.564,14                                                                              |
| 5200028703      | 01.09.2017   | -61.564,14                                                                             |
| 5200040112      | 30.11.2017   | 61.552,03                                                                              |
| 5200040662      | 01.12.2017   | -61.552,03                                                                             |
| 5200001412      | 31.01.2002   | 61.360,70                                                                              |
| 5200001445      | 01.02.2002   | -61.360,70                                                                             |
| 5200023341      | 31.08.2016   | 61.343,98                                                                              |
| 5200023804      | 01.09.2016   | -61.343,98                                                                             |
| 5200006568      | 31.03.2012   | 61.197,90                                                                              |
| 5200006865      | 01.04.2012   | -61.197,90                                                                             |
| 5200022122      | 30.09.2012   | 61.027,38                                                                              |
| 5200022416      | 01.10.2012   | -61.027,38                                                                             |
| 5200014771      | 31.05.2015   | 60.962,79                                                                              |
| 5200015162      | 01.06.2015   | -60.962,79                                                                             |
| 5200026756      | 01.10.2013   | 60.922,59                                                                              |
| 5200026592      | 30.09.2013   | -60.922,59                                                                             |
| 5200010277      | 30.09.2003   | 60.843,28                                                                              |
| 5200010303      | 01.10.2003   | -60.843,28                                                                             |
| 5200024400      | 31.07.2017   | 60.826,31                                                                              |
| 5200024949      | 01.08.2017   | -60.826,31                                                                             |
| 5200000007      | 30.04.2001   | 60.763,69                                                                              |
| 5200000034      | 01.05.2001   | -60.763,69                                                                             |
| 5200007827      | 31.03.2015   | 60.626,57                                                                              |
| 5200008231      | 01.04.2015   | -60.626,57                                                                             |
| 2722720         | 31.05.1996   | 60.467,12                                                                              |
| 2722727         | 05.06.1996   | -60.467,12                                                                             |
| 5200026160      | 30.09.2015   | 60.459,61                                                                              |
| 5200026575      | 01.10.2015   | -60.459,61                                                                             |
| 5200005939      | 28.02.2017   | 60.400,69                                                                              |
| 5200006482      | 01.03.2017   | -60.400,69                                                                             |
| 5200012957      | 31.10.2002   | 60.373,28                                                                              |
| 5200012979      | 01.11.2002   | -60.373,28                                                                             |
| 5200017456      | 31.07.2012   | 60.358,29                                                                              |
| 5200017742      | 01.08.2012   | -60.358,29                                                                             |
| 5200000621      | 01.01.2015   | -60.326,87                                                                             |
| 5200010266      | 30.09.2003   | 60.204,99                                                                              |
| 5200010292      | 01.10.2003   | -60.204,99                                                                             |
| 5200018215      | 30.06.2013   | 60.178,80                                                                              |
| 5200018615      | 01.07.2013   | -60.178,80                                                                             |
| 5200020098      | 31.12.2011   | 60.026,28                                                                              |
| 5200000571      | 01.01.2012   | -60.026,28                                                                             |
| 5200014371      | 31.05.2016   | 59.962,93                                                                              |
| 5200014846      | 01.06.2016   | -59.962,93                                                                             |
| 2712484         | 31.08.1995   | 59.694,68                                                                              |
| 2712508         | 04.09.1995   | -59.694,68                                                                             |
| 5200005729      | 31.05.2003   | 59.577,69                                                                              |
| 5200005756      | 01.06.2003   | -59.577,69                                                                             |
| 5200029067      | 31.10.2013   | 59.571,56                                                                              |
| 5200029409      | 01.11.2013   | -59.571,56                                                                             |
| 5200002509      | 28.02.2003   | 59.506,10                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200002536      | 01.03.2003   | -59.506,10                                                                             |
| 5200005740      | 30.04.2002   | 59.387,91                                                                              |
| 5200005763      | 01.05.2002   | -59.387,91                                                                             |
| 5200020162      | 31.08.2012   | 59.382,93                                                                              |
| 5200020448      | 01.09.2012   | -59.382,93                                                                             |
| 5200014711      | 31.12.2002   | 59.162,19                                                                              |
| 5200000487      | 01.01.2003   | -59.162,19                                                                             |
| 5200014730      | 31.05.2015   | 59.035,15                                                                              |
| 5200015121      | 01.06.2015   | -59.035,15                                                                             |
| 5200011834      | 30.04.2015   | 58.973,90                                                                              |
| 5200012248      | 01.05.2015   | -58.973,90                                                                             |
| 5200001366      | 31.01.2014   | 58.624,18                                                                              |
| 5200001738      | 01.02.2014   | -58.624,18                                                                             |
| 5200023699      | 31.08.2013   | 58.169,39                                                                              |
| 5200024052      | 01.09.2013   | -58.169,39                                                                             |
| 5200026422      | 30.09.2013   | 57.983,67                                                                              |
| 5200026791      | 01.10.2013   | -57.983,67                                                                             |
| 5200026319      | 30.09.2015   | 57.880,65                                                                              |
| 5200026734      | 01.10.2015   | -57.880,65                                                                             |
| 5200028975      | 31.10.2015   | 57.866,53                                                                              |
| 5200029383      | 01.11.2015   | -57.866,53                                                                             |
| 5200014290      | 31.12.2003   | 57.804,75                                                                              |
| 5200000386      | 01.01.2004   | -57.804,75                                                                             |
| 5200035499      | 31.10.2017   | 57.791,56                                                                              |
| 5200036055      | 01.11.2017   | -57.791,56                                                                             |
| 5200031825      | 30.09.2017   | 57.789,01                                                                              |
| 5200040104      | 30.11.2017   | 57.789,01                                                                              |
| 5200032383      | 01.10.2017   | -57.789,01                                                                             |
| 5200040654      | 01.12.2017   | -57.789,01                                                                             |
| 5200007655      | 31.03.2015   | 57.408,74                                                                              |
| 5200008059      | 01.04.2015   | -57.408,74                                                                             |
| 5200020874      | 31.08.2014   | 57.391,78                                                                              |
| 5200021307      | 01.09.2014   | -57.391,78                                                                             |
| 5200021413      | 01.08.2013   | 57.302,83                                                                              |
| 5200021276      | 31.07.2013   | -57.302,83                                                                             |
| 5200023056      | 31.08.2015   | 57.172,01                                                                              |
| 5200023436      | 01.09.2015   | -57.172,01                                                                             |
| 5200010694      | 30.04.2016   | 57.000,00                                                                              |
| 5200011178      | 01.05.2016   | -57.000,00                                                                             |
| 5200009570      | 30.04.2014   | 56.990,03                                                                              |
| 5200009992      | 01.05.2014   | -56.990,03                                                                             |
| 5200042428      | 31.12.2017   | 56.826,01                                                                              |
| 5200016657      | 30.06.2016   | 56.687,02                                                                              |
| 5200017118      | 01.07.2016   | -56.687,02                                                                             |
| 5200016667      | 30.06.2016   | 56.666,79                                                                              |
| 5200017128      | 01.07.2016   | -56.666,79                                                                             |
| 5200002498      | 28.02.2003   | 56.617,38                                                                              |
| 5200002525      | 01.03.2003   | -56.617,38                                                                             |
| 5200008923      | 30.04.2012   | 56.488,92                                                                              |
| 5200009201      | 01.05.2012   | -56.488,92                                                                             |
| 5200020376      | 31.07.2016   | 56.436,42                                                                              |
| 5200020846      | 01.08.2016   | -56.436,42                                                                             |
| 5000002163      | 31.12.2017   | 56.274,00                                                                              |
| 5000002164      | 31.12.2017   | 56.192,58                                                                              |
| 5200020192      | 31.08.2012   | 56.151,21                                                                              |
| 5200020478      | 01.09.2012   | -56.151,21                                                                             |
| 5200000619      | 01.01.2016   | -56.107,47                                                                             |
| 5200035725      | 31.10.2017   | 56.101,44                                                                              |
| 5200036281      | 01.11.2017   | -56.101,44                                                                             |
| 5000002163      | 31.12.2017   | 56.097,21                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200032048      | 30.09.2017   | 56.042,24                                                                              |
| 5200032606      | 01.10.2017   | -56.042,24                                                                             |
| 5200017485      | 31.07.2012   | 55.771,96                                                                              |
| 5200017771      | 01.08.2012   | -55.771,96                                                                             |
| 5200031913      | 30.11.2015   | 55.497,74                                                                              |
| 5200032316      | 01.12.2015   | -55.497,74                                                                             |
| 5200035528      | 31.10.2017   | 55.364,00                                                                              |
| 5200036084      | 01.11.2017   | -55.364,00                                                                             |
| 5200004159      | 29.02.2012   | 55.301,62                                                                              |
| 5200004431      | 01.03.2012   | -55.301,62                                                                             |
| 5200001471      | 31.01.2016   | 55.281,03                                                                              |
| 5200001962      | 01.02.2016   | -55.281,03                                                                             |
| 5200042448      | 31.12.2017   | 55.258,31                                                                              |
| 5200031854      | 30.09.2017   | 55.239,16                                                                              |
| 5200032412      | 01.10.2017   | -55.239,16                                                                             |
| 5200014720      | 30.06.2012   | 55.225,82                                                                              |
| 5200015010      | 01.07.2012   | -55.225,82                                                                             |
| 5200002504      | 28.02.2003   | 55.213,05                                                                              |
| 5200002531      | 01.03.2003   | -55.213,05                                                                             |
| 5200014377      | 31.05.2016   | 55.116,97                                                                              |
| 5200014852      | 01.06.2016   | -55.116,97                                                                             |
| 5000001970      | 11.12.2017   | -55.114,68                                                                             |
| 5200020144      | 31.08.2012   | 55.065,61                                                                              |
| 5200020430      | 01.09.2012   | -55.065,61                                                                             |
| 5200029565      | 31.10.2016   | 55.062,30                                                                              |
| 5200030016      | 01.11.2016   | -55.062,30                                                                             |
| 5200024420      | 31.07.2017   | 55.036,55                                                                              |
| 5200024969      | 01.08.2017   | -55.036,55                                                                             |
| 5200040133      | 30.11.2017   | 55.029,98                                                                              |
| 5200040683      | 01.12.2017   | -55.029,98                                                                             |
| 5200016663      | 30.06.2016   | 55.000,00                                                                              |
| 5200020398      | 31.07.2016   | 55.000,00                                                                              |
| 5200023360      | 31.08.2016   | 55.000,00                                                                              |
| 5200026536      | 30.09.2016   | 55.000,00                                                                              |
| 5200029583      | 31.10.2016   | 55.000,00                                                                              |
| 5200032565      | 30.11.2016   | 55.000,00                                                                              |
| 5200034513      | 31.12.2016   | 55.000,00                                                                              |
| 5200002709      | 31.01.2017   | 55.000,00                                                                              |
| 5200005953      | 28.02.2017   | 55.000,00                                                                              |
| 5200009122      | 31.03.2017   | 55.000,00                                                                              |
| 5200013669      | 30.04.2017   | 55.000,00                                                                              |
| 5200017688      | 31.05.2017   | 55.000,00                                                                              |
| 5200021400      | 30.06.2017   | 55.000,00                                                                              |
| 5200028162      | 31.08.2017   | 55.000,00                                                                              |
| 5200017124      | 01.07.2016   | -55.000,00                                                                             |
| 5200020868      | 01.08.2016   | -55.000,00                                                                             |
| 5200023823      | 01.09.2016   | -55.000,00                                                                             |
| 5200026992      | 01.10.2016   | -55.000,00                                                                             |
| 5200030034      | 01.11.2016   | -55.000,00                                                                             |
| 5200033032      | 01.12.2016   | -55.000,00                                                                             |
| 5200000609      | 01.01.2017   | -55.000,00                                                                             |
| 5200003259      | 01.02.2017   | -55.000,00                                                                             |
| 5200006496      | 01.03.2017   | -55.000,00                                                                             |
| 5200009661      | 01.04.2017   | -55.000,00                                                                             |
| 5200014226      | 01.05.2017   | -55.000,00                                                                             |
| 5200018249      | 01.06.2017   | -55.000,00                                                                             |
| 5200021958      | 01.07.2017   | -55.000,00                                                                             |
| 5200028724      | 01.09.2017   | -55.000,00                                                                             |
| 5200008964      | 30.04.2012   | 54.832,57                                                                              |
| 5200009242      | 01.05.2012   | -54.832,57                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020094      | 31.12.2011   | 54.791,77                                                                              |
| 5200000567      | 01.01.2012   | -54.791,77                                                                             |
| 5200011977      | 31.05.2012   | 54.785,84                                                                              |
| 5200012251      | 01.06.2012   | -54.785,84                                                                             |
| 5200002213      | 31.01.2012   | 54.173,01                                                                              |
| 5200002456      | 01.02.2012   | -54.173,01                                                                             |
| 2713409         | 30.09.1995   | 53.725,03                                                                              |
| 2713435         | 05.10.1995   | -53.725,03                                                                             |
| 5200031296      | 31.12.2014   | 53.663,87                                                                              |
| 5200033905      | 31.12.2015   | 53.557,13                                                                              |
| 5200015198      | 30.06.2014   | 53.294,14                                                                              |
| 5200015628      | 01.07.2014   | -53.294,14                                                                             |
| 2714380         | 01.11.1995   | 53.158,04                                                                              |
| 2714358         | 03.11.1995   | -53.158,04                                                                             |
| 5200031911      | 30.11.2015   | 53.151,53                                                                              |
| 5200032314      | 01.12.2015   | -53.151,53                                                                             |
| 5200006563      | 31.03.2012   | 53.105,28                                                                              |
| 5200006860      | 01.04.2012   | -53.105,28                                                                             |
| 5200002302      | 31.01.2012   | 52.982,55                                                                              |
| 5200002545      | 01.02.2012   | -52.982,55                                                                             |
| 5200014558      | 31.05.2016   | 52.804,19                                                                              |
| 5200015033      | 01.06.2016   | -52.804,19                                                                             |
| 5200012263      | 31.05.2014   | 52.656,92                                                                              |
| 5200012710      | 01.06.2014   | -52.656,92                                                                             |
| 5200005931      | 28.02.2017   | 52.293,41                                                                              |
| 5200006474      | 01.03.2017   | -52.293,41                                                                             |
| 5200022219      | 30.09.2012   | 52.230,23                                                                              |
| 5200022513      | 01.10.2012   | -52.230,23                                                                             |
| 5200031144      | 31.12.2014   | 52.077,43                                                                              |
| 5200000471      | 01.01.2015   | -52.077,43                                                                             |
| 5200005639      | 31.08.2001   | 51.719,33                                                                              |
| 5200005665      | 01.09.2001   | -51.719,33                                                                             |
| 5200017552      | 31.07.2012   | 51.691,30                                                                              |
| 5200017838      | 01.08.2012   | -51.691,30                                                                             |
| 5200013861      | 30.04.2017   | 51.634,76                                                                              |
| 5200014418      | 01.05.2017   | -51.634,76                                                                             |
| 5200018249      | 30.06.2013   | 51.551,16                                                                              |
| 5200018649      | 01.07.2013   | -51.551,16                                                                             |
| 5200021388      | 30.06.2017   | 51.195,29                                                                              |
| 5200021946      | 01.07.2017   | -51.195,29                                                                             |
| 5200023353      | 31.08.2016   | 50.955,26                                                                              |
| 5200023816      | 01.09.2016   | -50.955,26                                                                             |
| 5200002687      | 31.01.2017   | 50.929,99                                                                              |
| 5200003237      | 01.02.2017   | -50.929,99                                                                             |
| 5200004157      | 29.02.2012   | 50.916,58                                                                              |
| 5200004429      | 01.03.2012   | -50.916,58                                                                             |
| 5200033764      | 31.12.2015   | 50.545,76                                                                              |
| 5200000478      | 01.01.2016   | -50.545,76                                                                             |
| 2710553         | 30.06.1995   | 50.498,89                                                                              |
| 2710575         | 05.07.1995   | -50.498,89                                                                             |
| 5200006564      | 31.03.2012   | 50.188,69                                                                              |
| 5200006861      | 01.04.2012   | -50.188,69                                                                             |
| 5200006612      | 31.03.2012   | 50.147,70                                                                              |
| 5200006909      | 01.04.2012   | -50.147,70                                                                             |
| 5200007470      | 28.02.2013   | 49.906,30                                                                              |
| 5200007803      | 01.03.2013   | -49.906,30                                                                             |
| 2730994         | 31.12.1996   | 49.870,50                                                                              |
| 2731001         | 06.01.1997   | -49.870,50                                                                             |
| 5200001409      | 31.01.2003   | 49.810,34                                                                              |
| 5200001436      | 01.02.2003   | -49.810,34                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006675      | 31.03.2012   | 49.761,66                                                                              |
| 5200006972      | 01.04.2012   | -49.761,66                                                                             |
| 5200028973      | 30.11.2014   | 49.604,79                                                                              |
| 5200029337      | 01.12.2014   | -49.604,79                                                                             |
| 5200005308      | 29.02.2016   | 49.480,76                                                                              |
| 5200005828      | 01.03.2016   | -49.480,76                                                                             |
| 5200033766      | 31.12.2015   | 49.393,99                                                                              |
| 5200000480      | 01.01.2016   | -49.393,99                                                                             |
| 5200020378      | 31.07.2016   | 49.276,65                                                                              |
| 5200020848      | 01.08.2016   | -49.276,65                                                                             |
| 5200028156      | 31.08.2017   | 49.228,32                                                                              |
| 5200031848      | 30.09.2017   | 49.228,32                                                                              |
| 5200035522      | 31.10.2017   | 49.228,32                                                                              |
| 5200040127      | 30.11.2017   | 49.228,32                                                                              |
| 5200042442      | 31.12.2017   | 49.228,32                                                                              |
| 5200028718      | 01.09.2017   | -49.228,32                                                                             |
| 5200032406      | 01.10.2017   | -49.228,32                                                                             |
| 5200036078      | 01.11.2017   | -49.228,32                                                                             |
| 5200040677      | 01.12.2017   | -49.228,32                                                                             |
| 5200021089      | 31.07.2013   | 49.103,95                                                                              |
| 5200021446      | 01.08.2013   | -49.103,95                                                                             |
| 5200006767      | 30.06.2003   | 48.939,70                                                                              |
| 5200006793      | 01.07.2003   | -48.939,70                                                                             |
| 5000002163      | 31.12.2017   | 48.841,60                                                                              |
| 5000002216      | 31.12.2017   | -48.841,60                                                                             |
| 5000002157      | 31.12.2017   | 48.750,00                                                                              |
| 5200017668      | 31.05.2017   | 48.651,70                                                                              |
| 5200018229      | 01.06.2017   | -48.651,70                                                                             |
| 5200011876      | 30.04.2015   | 48.632,48                                                                              |
| 5200012290      | 01.05.2015   | -48.632,48                                                                             |
| 5200026160      | 31.10.2014   | 48.588,40                                                                              |
| 5200026513      | 01.11.2014   | -48.588,40                                                                             |
| 5000002163      | 31.12.2017   | 48.555,00                                                                              |
| 2710551         | 30.06.1995   | 48.525,21                                                                              |
| 2710573         | 05.07.1995   | -48.525,21                                                                             |
| 5200031914      | 30.11.2015   | 48.376,42                                                                              |
| 5200032317      | 01.12.2015   | -48.376,42                                                                             |
| 5200016641      | 30.06.2016   | 48.171,88                                                                              |
| 5200017102      | 01.07.2016   | -48.171,88                                                                             |
| 5200002114      | 31.01.2015   | 48.162,74                                                                              |
| 5200002538      | 01.02.2015   | -48.162,74                                                                             |
| 5200008391      | 31.03.2016   | 48.080,76                                                                              |
| 5200010714      | 30.04.2016   | 48.080,76                                                                              |
| 5200008880      | 01.04.2016   | -48.080,76                                                                             |
| 5200011198      | 01.05.2016   | -48.080,76                                                                             |
| 5200011830      | 30.04.2015   | 48.026,11                                                                              |
| 5200012244      | 01.05.2015   | -48.026,11                                                                             |
| 5000002163      | 31.12.2017   | 47.808,00                                                                              |
| 5200034493      | 31.12.2016   | 47.770,36                                                                              |
| 5200000589      | 01.01.2017   | -47.770,36                                                                             |
| 5200032559      | 30.11.2016   | 47.740,46                                                                              |
| 5200034507      | 31.12.2016   | 47.740,46                                                                              |
| 5200002703      | 31.01.2017   | 47.740,46                                                                              |
| 5200005947      | 28.02.2017   | 47.740,46                                                                              |
| 5200009116      | 31.03.2017   | 47.740,46                                                                              |
| 5200013663      | 30.04.2017   | 47.740,46                                                                              |
| 5200017682      | 31.05.2017   | 47.740,46                                                                              |
| 5200021394      | 30.06.2017   | 47.740,46                                                                              |
| 5200024414      | 31.07.2017   | 47.740,46                                                                              |
| 5200033026      | 01.12.2016   | -47.740,46                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000603      | 01.01.2017   | -47.740,46                                                                             |
| 5200003253      | 01.02.2017   | -47.740,46                                                                             |
| 5200006490      | 01.03.2017   | -47.740,46                                                                             |
| 5200009655      | 01.04.2017   | -47.740,46                                                                             |
| 5200014220      | 01.05.2017   | -47.740,46                                                                             |
| 5200018243      | 01.06.2017   | -47.740,46                                                                             |
| 5200021952      | 01.07.2017   | -47.740,46                                                                             |
| 5200024963      | 01.08.2017   | -47.740,46                                                                             |
| 5200029577      | 31.10.2016   | 47.740,20                                                                              |
| 5200030028      | 01.11.2016   | -47.740,20                                                                             |
| 5200004239      | 31.07.2001   | 47.593,03                                                                              |
| 5200004266      | 01.08.2001   | -47.593,03                                                                             |
| 5200014379      | 31.05.2016   | 47.570,01                                                                              |
| 5200014854      | 01.06.2016   | -47.570,01                                                                             |
| 5200032547      | 30.11.2016   | 47.462,30                                                                              |
| 5200033014      | 01.12.2016   | -47.462,30                                                                             |
| 5200008373      | 31.03.2016   | 47.456,30                                                                              |
| 5200008862      | 01.04.2016   | -47.456,30                                                                             |
| 5200014688      | 30.06.2012   | 47.456,19                                                                              |
| 5200014978      | 01.07.2012   | -47.456,19                                                                             |
| 5200002692      | 31.01.2017   | 47.374,25                                                                              |
| 5200003242      | 01.02.2017   | -47.374,25                                                                             |
| 5200021596      | 30.06.2017   | 47.304,37                                                                              |
| 5200022154      | 01.07.2017   | -47.304,37                                                                             |
| 5200009575      | 30.04.2014   | 47.243,16                                                                              |
| 5200009997      | 01.05.2014   | -47.243,16                                                                             |
| 5200030994      | 31.12.2012   | 47.181,04                                                                              |
| 5200000611      | 01.01.2013   | -47.181,04                                                                             |
| 5200037333      | 31.12.2001   | 47.169,65                                                                              |
| 5200000581      | 01.01.2002   | -47.169,65                                                                             |
| 5200017498      | 31.07.2012   | 47.097,40                                                                              |
| 5200017784      | 01.08.2012   | -47.097,40                                                                             |
| 5200007612      | 30.06.2002   | 46.783,44                                                                              |
| 5200007635      | 01.07.2002   | -46.783,44                                                                             |
| 5200002293      | 31.01.2012   | 46.686,31                                                                              |
| 5200002536      | 01.02.2012   | -46.686,31                                                                             |
| 5200010695      | 30.04.2016   | 46.679,32                                                                              |
| 5200011179      | 01.05.2016   | -46.679,32                                                                             |
| 5000002163      | 31.12.2017   | 46.640,44                                                                              |
| 4300296274      | 12.12.2017   | -46.638,07                                                                             |
| 5200020097      | 31.08.2012   | 46.634,07                                                                              |
| 5200020383      | 01.09.2012   | -46.634,07                                                                             |
| 2843773         | 30.09.1996   | 46.489,22                                                                              |
| 2843775         | 02.10.1996   | -46.489,22                                                                             |
| 5200020152      | 31.12.2011   | 46.387,87                                                                              |
| 5200000625      | 01.01.2012   | -46.387,87                                                                             |
| 5200008372      | 31.03.2016   | 46.368,10                                                                              |
| 5200008861      | 01.04.2016   | -46.368,10                                                                             |
| 5200022969      | 31.08.2015   | 46.297,24                                                                              |
| 5200023349      | 01.09.2015   | -46.297,24                                                                             |
| 5000002216      | 31.12.2017   | -46.247,77                                                                             |
| 5200020547      | 31.07.2016   | 46.197,31                                                                              |
| 5200021017      | 01.08.2016   | -46.197,31                                                                             |
| 2712469         | 31.08.1995   | 46.049,79                                                                              |
| 2712493         | 04.09.1995   | -46.049,79                                                                             |
| 2709664         | 31.05.1995   | 45.988,50                                                                              |
| 2709686         | 06.06.1995   | -45.988,50                                                                             |
| 5200004602      | 28.02.2015   | 45.596,64                                                                              |
| 5200005033      | 01.03.2015   | -45.596,64                                                                             |
| 5200028132      | 31.08.2017   | 45.502,85                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200028694      | 01.09.2017   | -45.502,85                                                                             |
| 5000002163      | 31.12.2017   | 45.499,27                                                                              |
| 5000002216      | 31.12.2017   | -45.499,27                                                                             |
| 5200017452      | 30.06.2015   | 45.484,82                                                                              |
| 5200017805      | 01.07.2015   | -45.484,82                                                                             |
| 5200028977      | 31.10.2015   | 45.396,08                                                                              |
| 5200029385      | 01.11.2015   | -45.396,08                                                                             |
| 5200024391      | 31.07.2017   | 45.213,04                                                                              |
| 5200024940      | 01.08.2017   | -45.213,04                                                                             |
| 5200028640      | 30.11.2012   | 45.182,14                                                                              |
| 5200028949      | 01.12.2012   | -45.182,14                                                                             |
| 5200012264      | 31.05.2014   | 45.107,92                                                                              |
| 5200012711      | 01.06.2014   | -45.107,92                                                                             |
| 5200029062      | 31.10.2013   | 45.076,49                                                                              |
| 5200029404      | 01.11.2013   | -45.076,49                                                                             |
| 5200040120      | 30.11.2017   | 45.075,93                                                                              |
| 5200040670      | 01.12.2017   | -45.075,93                                                                             |
| 5200018153      | 31.07.2014   | 45.040,76                                                                              |
| 5200018576      | 01.08.2014   | -45.040,76                                                                             |
| 5200029557      | 31.10.2016   | 45.007,89                                                                              |
| 5200030008      | 01.11.2016   | -45.007,89                                                                             |
| 5200035498      | 31.10.2017   | 44.981,82                                                                              |
| 5200036054      | 01.11.2017   | -44.981,82                                                                             |
| 5200031824      | 30.09.2017   | 44.949,33                                                                              |
| 5200032382      | 01.10.2017   | -44.949,33                                                                             |
| 5200010275      | 30.09.2003   | 44.880,33                                                                              |
| 5200010301      | 01.10.2003   | -44.880,33                                                                             |
| 5200042433      | 31.12.2017   | 44.820,79                                                                              |
| 5000002163      | 31.12.2017   | 44.819,50                                                                              |
| 5000000536      | 09.05.2016   | 44.800,00                                                                              |
| 5200004411      | 28.02.2015   | 44.582,24                                                                              |
| 5200004842      | 01.03.2015   | -44.582,24                                                                             |
| 5200001394      | 31.01.2014   | 44.572,04                                                                              |
| 5200001766      | 01.02.2014   | -44.572,04                                                                             |
| 5200012005      | 30.04.2015   | 44.438,74                                                                              |
| 5200012419      | 01.05.2015   | -44.438,74                                                                             |
| 5200026155      | 30.09.2015   | 44.235,94                                                                              |
| 5200026570      | 01.10.2015   | -44.235,94                                                                             |
| 5200026476      | 30.09.2013   | 43.960,51                                                                              |
| 5200026845      | 01.10.2013   | -43.960,51                                                                             |
| 5000002163      | 31.12.2017   | 43.925,59                                                                              |
| 5200029056      | 31.10.2013   | 43.894,89                                                                              |
| 5200029398      | 01.11.2013   | -43.894,89                                                                             |
| 5200000623      | 01.01.2015   | -43.763,86                                                                             |
| 5200021385      | 30.06.2017   | 43.763,61                                                                              |
| 5200021943      | 01.07.2017   | -43.763,61                                                                             |
| 5200042644      | 31.12.2017   | 43.694,88                                                                              |
| 5200013657      | 30.04.2017   | 43.596,04                                                                              |
| 5200014214      | 01.05.2017   | -43.596,04                                                                             |
| 5200011827      | 30.04.2015   | 43.583,74                                                                              |
| 5200012241      | 01.05.2015   | -43.583,74                                                                             |
| 5200031652      | 30.11.2013   | 43.454,77                                                                              |
| 5200032008      | 01.12.2013   | -43.454,77                                                                             |
| 5200006678      | 31.03.2012   | 43.354,98                                                                              |
| 5200006975      | 01.04.2012   | -43.354,98                                                                             |
| 5200026154      | 30.09.2015   | 43.345,27                                                                              |
| 5200026569      | 01.10.2015   | -43.345,27                                                                             |
| 2711541         | 31.07.1995   | 43.256,42                                                                              |
| 2711566         | 03.08.1995   | -43.256,42                                                                             |
| 5200026152      | 30.09.2015   | 43.185,07                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026567      | 01.10.2015   | -43.185,07                                                                             |
| 5200020190      | 31.08.2012   | 43.015,05                                                                              |
| 5200020476      | 01.09.2012   | -43.015,05                                                                             |
| 5200026316      | 31.10.2014   | 43.014,44                                                                              |
| 5200026669      | 01.11.2014   | -43.014,44                                                                             |
| 5200021149      | 31.07.2013   | 42.944,29                                                                              |
| 5200021506      | 01.08.2013   | -42.944,29                                                                             |
| 5200020383      | 31.07.2016   | 42.941,65                                                                              |
| 5200020853      | 01.08.2016   | -42.941,65                                                                             |
| 5200012956      | 31.10.2002   | 42.914,67                                                                              |
| 5200012978      | 01.11.2002   | -42.914,67                                                                             |
| 5200015516      | 31.05.2013   | 42.899,03                                                                              |
| 5200015876      | 01.06.2013   | -42.899,03                                                                             |
| 5200014651      | 30.06.2012   | 42.860,62                                                                              |
| 5200014941      | 01.07.2012   | -42.860,62                                                                             |
| 5200014731      | 31.05.2015   | 42.825,30                                                                              |
| 5200015122      | 01.06.2015   | -42.825,30                                                                             |
| 5200020148      | 31.07.2015   | 42.596,52                                                                              |
| 5200020516      | 01.08.2015   | -42.596,52                                                                             |
| 5200023542      | 30.09.2014   | 42.342,36                                                                              |
| 5200023867      | 01.10.2014   | -42.342,36                                                                             |
| 5200002310      | 31.01.2015   | 42.319,79                                                                              |
| 5200002734      | 01.02.2015   | -42.319,79                                                                             |
| 5000002163      | 31.12.2017   | 42.317,55                                                                              |
| 5200004077      | 28.02.2014   | 42.218,59                                                                              |
| 5200004478      | 01.03.2014   | -42.218,59                                                                             |
| 5200003190      | 28.02.2002   | 42.087,83                                                                              |
| 5200003218      | 01.03.2002   | -42.087,83                                                                             |
| 5200012941      | 30.04.2013   | 41.818,52                                                                              |
| 5200013292      | 01.05.2013   | -41.818,52                                                                             |
| 5200017881      | 31.05.2017   | 41.763,82                                                                              |
| 5200018442      | 01.06.2017   | -41.763,82                                                                             |
| 5200009309      | 31.03.2017   | 41.707,58                                                                              |
| 5200009848      | 01.04.2017   | -41.707,58                                                                             |
| 5200006844      | 31.03.2014   | 41.601,33                                                                              |
| 5200007250      | 01.04.2014   | -41.601,33                                                                             |
| 5200006567      | 31.03.2012   | 41.438,21                                                                              |
| 5200006864      | 01.04.2012   | -41.438,21                                                                             |
| 5200004669      | 30.04.2003   | 41.426,60                                                                              |
| 5200004697      | 01.05.2003   | -41.426,60                                                                             |
| 5200009605      | 30.04.2014   | 41.414,59                                                                              |
| 5200010027      | 01.05.2014   | -41.414,59                                                                             |
| 5200016645      | 30.06.2016   | 41.147,42                                                                              |
| 5200017106      | 01.07.2016   | -41.147,42                                                                             |
| 5200011736      | 30.09.2002   | 41.143,04                                                                              |
| 5200011759      | 01.10.2002   | -41.143,04                                                                             |
| 5200015477      | 31.05.2013   | 41.092,73                                                                              |
| 5200015837      | 01.06.2013   | -41.092,73                                                                             |
| 5200023544      | 30.09.2014   | 40.970,13                                                                              |
| 5200023869      | 01.10.2014   | -40.970,13                                                                             |
| 5200017661      | 31.05.2017   | 40.934,35                                                                              |
| 5200021373      | 30.06.2017   | 40.934,35                                                                              |
| 5200018222      | 01.06.2017   | -40.934,35                                                                             |
| 5200021931      | 01.07.2017   | -40.934,35                                                                             |
| 5200003610      | 31.03.2003   | 40.829,74                                                                              |
| 5200003638      | 01.04.2003   | -40.829,74                                                                             |
| 5200020373      | 31.07.2016   | 40.817,52                                                                              |
| 5200020843      | 01.08.2016   | -40.817,52                                                                             |
| 5200010541      | 31.08.2002   | 40.763,61                                                                              |
| 5200010565      | 01.09.2002   | -40.763,61                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200042681      | 31.12.2017   | 40.650,00                                                                              |
| 5200012082      | 31.05.2012   | 40.630,18                                                                              |
| 5200012356      | 01.06.2012   | -40.630,18                                                                             |
| 5200005742      | 31.05.2003   | 40.559,89                                                                              |
| 5200005769      | 01.06.2003   | -40.559,89                                                                             |
| 5200010246      | 31.03.2013   | 40.388,89                                                                              |
| 5200010589      | 01.04.2013   | -40.388,89                                                                             |
| 2710559         | 30.06.1995   | 40.238,62                                                                              |
| 2710581         | 05.07.1995   | -40.238,62                                                                             |
| 5200026677      | 30.09.2016   | 40.231,00                                                                              |
| 5200027133      | 01.10.2016   | -40.231,00                                                                             |
| 5200026674      | 30.09.2016   | 40.217,88                                                                              |
| 5200027130      | 01.10.2016   | -40.217,88                                                                             |
| 5200002304      | 31.01.2012   | 40.161,36                                                                              |
| 5200002547      | 01.02.2012   | -40.161,36                                                                             |
| 5000002075      | 31.12.2017   | 40.000,00                                                                              |
| 5000002163      | 31.12.2017   | 39.882,33                                                                              |
| 5200024615      | 31.07.2017   | 39.847,93                                                                              |
| 5200025166      | 01.08.2017   | -39.847,93                                                                             |
| 5200015813      | 01.06.2013   | 39.717,92                                                                              |
| 5200015669      | 31.05.2013   | -39.717,92                                                                             |
| 5200032550      | 30.11.2016   | 39.717,45                                                                              |
| 5200033017      | 01.12.2016   | -39.717,45                                                                             |
| 5200022188      | 30.09.2012   | 39.687,35                                                                              |
| 5200022482      | 01.10.2012   | -39.687,35                                                                             |
| 5000002163      | 31.12.2017   | 39.602,82                                                                              |
| 5200034496      | 31.12.2016   | 39.538,21                                                                              |
| 5200000592      | 01.01.2017   | -39.538,21                                                                             |
| 5200001495      | 31.01.2016   | 39.384,48                                                                              |
| 5200001986      | 01.02.2016   | -39.384,48                                                                             |
| 5200028974      | 31.10.2015   | 39.323,07                                                                              |
| 5200031910      | 30.11.2015   | 39.323,07                                                                              |
| 5200033763      | 31.12.2015   | 39.323,07                                                                              |
| 5200001492      | 31.01.2016   | 39.323,07                                                                              |
| 5200005307      | 29.02.2016   | 39.323,07                                                                              |
| 5200008390      | 31.03.2016   | 39.323,07                                                                              |
| 5200010713      | 30.04.2016   | 39.323,07                                                                              |
| 5200029382      | 01.11.2015   | -39.323,07                                                                             |
| 5200032313      | 01.12.2015   | -39.323,07                                                                             |
| 5200000477      | 01.01.2016   | -39.323,07                                                                             |
| 5200001983      | 01.02.2016   | -39.323,07                                                                             |
| 5200005827      | 01.03.2016   | -39.323,07                                                                             |
| 5200008879      | 01.04.2016   | -39.323,07                                                                             |
| 5200011197      | 01.05.2016   | -39.323,07                                                                             |
| 5200025864      | 31.10.2012   | 39.319,66                                                                              |
| 5200026169      | 01.11.2012   | -39.319,66                                                                             |
| 5200007366      | 28.02.2013   | 39.137,21                                                                              |
| 5200007699      | 01.03.2013   | -39.137,21                                                                             |
| 5200022910      | 31.08.2015   | 39.100,77                                                                              |
| 5200023290      | 01.09.2015   | -39.100,77                                                                             |
| 5200012300      | 31.05.2014   | 39.035,53                                                                              |
| 5200012747      | 01.06.2014   | -39.035,53                                                                             |
| 5000002157      | 31.12.2017   | 39.000,00                                                                              |
| 5000002157      | 31.12.2017   | 39.000,00                                                                              |
| 5200014735      | 31.05.2015   | 38.966,70                                                                              |
| 5200015126      | 01.06.2015   | -38.966,70                                                                             |
| 5200018162      | 31.07.2014   | 38.951,33                                                                              |
| 5200018585      | 01.08.2014   | -38.951,33                                                                             |
| 2846738         | 30.06.1997   | 38.921,63                                                                              |
| 2846739         | 01.07.1997   | -38.921,63                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020392      | 31.07.2016   | 38.920,34                                                                              |
| 5200020862      | 01.08.2016   | -38.920,34                                                                             |
| 5200010215      | 31.03.2013   | 38.772,95                                                                              |
| 5200010558      | 01.04.2013   | -38.772,95                                                                             |
| 5200015239      | 30.06.2014   | 38.684,73                                                                              |
| 5200018190      | 31.07.2014   | 38.684,73                                                                              |
| 5200015669      | 01.07.2014   | -38.684,73                                                                             |
| 5200018613      | 01.08.2014   | -38.684,73                                                                             |
| 5200020912      | 31.08.2014   | 38.667,38                                                                              |
| 5200021345      | 01.09.2014   | -38.667,38                                                                             |
| 5200008924      | 30.04.2012   | 38.618,15                                                                              |
| 5200009202      | 01.05.2012   | -38.618,15                                                                             |
| 5200023500      | 31.08.2016   | 38.569,12                                                                              |
| 5200023963      | 01.09.2016   | -38.569,12                                                                             |
| 5200015486      | 31.05.2013   | 38.439,99                                                                              |
| 5200015846      | 01.06.2013   | -38.439,99                                                                             |
| 5200020137      | 31.08.2012   | 38.187,93                                                                              |
| 5200020423      | 01.09.2012   | -38.187,93                                                                             |
| 5200007021      | 31.03.2014   | 38.180,80                                                                              |
| 5200007427      | 01.04.2014   | -38.180,80                                                                             |
| 5000002163      | 31.12.2017   | 38.097,00                                                                              |
| 5000002216      | 31.12.2017   | -38.097,00                                                                             |
| 5200004690      | 30.04.2003   | 38.075,11                                                                              |
| 5200004718      | 01.05.2003   | -38.075,11                                                                             |
| 5200015476      | 31.05.2013   | 38.030,22                                                                              |
| 5200015836      | 01.06.2013   | -38.030,22                                                                             |
| 5200014389      | 31.05.2016   | 38.023,87                                                                              |
| 5200014864      | 01.06.2016   | -38.023,87                                                                             |
| 5200004415      | 28.02.2015   | 38.005,48                                                                              |
| 5200004846      | 01.03.2015   | -38.005,48                                                                             |
| 5200016821      | 30.06.2016   | 37.958,80                                                                              |
| 5200017282      | 01.07.2016   | -37.958,80                                                                             |
| 5200008393      | 31.03.2016   | 37.935,08                                                                              |
| 5200010716      | 30.04.2016   | 37.935,08                                                                              |
| 5200008882      | 01.04.2016   | -37.935,08                                                                             |
| 5200011200      | 01.05.2016   | -37.935,08                                                                             |
| 5200023731      | 31.08.2013   | 37.912,09                                                                              |
| 5200024084      | 01.09.2013   | -37.912,09                                                                             |
| 5200006776      | 30.06.2003   | 37.866,53                                                                              |
| 5200006802      | 01.07.2003   | -37.866,53                                                                             |
| 5200015485      | 31.05.2013   | 37.446,13                                                                              |
| 5200015845      | 01.06.2013   | -37.446,13                                                                             |
| 5200002249      | 31.01.2012   | 37.441,98                                                                              |
| 5200002492      | 01.02.2012   | -37.441,98                                                                             |
| 5200011734      | 30.09.2002   | 37.375,18                                                                              |
| 5200011757      | 01.10.2002   | -37.375,18                                                                             |
| 5000002163      | 31.12.2017   | 37.350,00                                                                              |
| 5000002163      | 31.12.2017   | 37.350,00                                                                              |
| 5200029066      | 31.10.2013   | 37.348,21                                                                              |
| 5200029408      | 01.11.2013   | -37.348,21                                                                             |
| 2711542         | 31.07.1995   | 37.305,23                                                                              |
| 2711567         | 03.08.1995   | -37.305,23                                                                             |
| 5200033846      | 31.12.2013   | 37.280,54                                                                              |
| 5200000540      | 01.01.2014   | -37.280,54                                                                             |
| 5200001542      | 31.01.2016   | 37.264,95                                                                              |
| 5200002033      | 01.02.2016   | -37.264,95                                                                             |
| 5200003159      | 30.06.2001   | 37.196,90                                                                              |
| 5200003196      | 01.07.2001   | -37.196,90                                                                             |
| 5200008926      | 31.08.2003   | 37.122,49                                                                              |
| 5200008952      | 01.09.2003   | -37.122,49                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002075      | 31.12.2017   | 37.000,00                                                                              |
| 5200016661      | 30.06.2016   | 36.960,00                                                                              |
| 5200020396      | 31.07.2016   | 36.960,00                                                                              |
| 5200023358      | 31.08.2016   | 36.960,00                                                                              |
| 5200026534      | 30.09.2016   | 36.960,00                                                                              |
| 5200029581      | 31.10.2016   | 36.960,00                                                                              |
| 5200032563      | 30.11.2016   | 36.960,00                                                                              |
| 5200034511      | 31.12.2016   | 36.960,00                                                                              |
| 5200002707      | 31.01.2017   | 36.960,00                                                                              |
| 5200005951      | 28.02.2017   | 36.960,00                                                                              |
| 5200009120      | 31.03.2017   | 36.960,00                                                                              |
| 5200013667      | 30.04.2017   | 36.960,00                                                                              |
| 5200017686      | 31.05.2017   | 36.960,00                                                                              |
| 5200021398      | 30.06.2017   | 36.960,00                                                                              |
| 5200024418      | 31.07.2017   | 36.960,00                                                                              |
| 5200028160      | 31.08.2017   | 36.960,00                                                                              |
| 5200031852      | 30.09.2017   | 36.960,00                                                                              |
| 5200035526      | 31.10.2017   | 36.960,00                                                                              |
| 5200040131      | 30.11.2017   | 36.960,00                                                                              |
| 5200042446      | 31.12.2017   | 36.960,00                                                                              |
| 5200017122      | 01.07.2016   | -36.960,00                                                                             |
| 5200020866      | 01.08.2016   | -36.960,00                                                                             |
| 5200023821      | 01.09.2016   | -36.960,00                                                                             |
| 5200026990      | 01.10.2016   | -36.960,00                                                                             |
| 5200030032      | 01.11.2016   | -36.960,00                                                                             |
| 5200033030      | 01.12.2016   | -36.960,00                                                                             |
| 5200000607      | 01.01.2017   | -36.960,00                                                                             |
| 5200003257      | 01.02.2017   | -36.960,00                                                                             |
| 5200006494      | 01.03.2017   | -36.960,00                                                                             |
| 5200009659      | 01.04.2017   | -36.960,00                                                                             |
| 5200014224      | 01.05.2017   | -36.960,00                                                                             |
| 5200018247      | 01.06.2017   | -36.960,00                                                                             |
| 5200021956      | 01.07.2017   | -36.960,00                                                                             |
| 5200024967      | 01.08.2017   | -36.960,00                                                                             |
| 5200028722      | 01.09.2017   | -36.960,00                                                                             |
| 5200032410      | 01.10.2017   | -36.960,00                                                                             |
| 5200036082      | 01.11.2017   | -36.960,00                                                                             |
| 5200040681      | 01.12.2017   | -36.960,00                                                                             |
| 5200012047      | 31.05.2012   | 36.672,44                                                                              |
| 5200012321      | 01.06.2012   | -36.672,44                                                                             |
| 5200015430      | 30.06.2014   | 36.637,82                                                                              |
| 5200015860      | 01.07.2014   | -36.637,82                                                                             |
| 5200009344      | 31.07.2002   | 36.529,97                                                                              |
| 5200009368      | 01.08.2002   | -36.529,97                                                                             |
| 5000002163      | 31.12.2017   | 36.344,04                                                                              |
| 5200026518      | 30.09.2016   | 36.286,30                                                                              |
| 5200026974      | 01.10.2016   | -36.286,30                                                                             |
| 5200007704      | 31.03.2015   | 36.186,21                                                                              |
| 5200008108      | 01.04.2015   | -36.186,21                                                                             |
| 5200040134      | 30.11.2017   | 36.183,18                                                                              |
| 5200040684      | 01.12.2017   | -36.183,18                                                                             |
| 5200029721      | 31.10.2016   | 36.173,26                                                                              |
| 5200030172      | 01.11.2016   | -36.173,26                                                                             |
| 5200004034      | 28.02.2014   | 36.164,76                                                                              |
| 5200004435      | 01.03.2014   | -36.164,76                                                                             |
| 5200014374      | 31.05.2016   | 36.000,00                                                                              |
| 5200023343      | 31.08.2016   | 36.000,00                                                                              |
| 5200014849      | 01.06.2016   | -36.000,00                                                                             |
| 5200023806      | 01.09.2016   | -36.000,00                                                                             |
| 5200011738      | 30.09.2002   | 35.841,34                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200011761      | 01.10.2002   | -35.841,34                                                                             |
| 5200006800      | 31.03.2014   | 35.735,76                                                                              |
| 5200007206      | 01.04.2014   | -35.735,76                                                                             |
| 5200017676      | 31.05.2017   | 35.444,61                                                                              |
| 5200018237      | 01.06.2017   | -35.444,61                                                                             |
| 5200002899      | 31.01.2017   | 35.259,64                                                                              |
| 5200003449      | 01.02.2017   | -35.259,64                                                                             |
| 5200023545      | 30.09.2014   | 35.202,75                                                                              |
| 5200023870      | 01.10.2014   | -35.202,75                                                                             |
| 5200026161      | 31.10.2014   | 35.188,99                                                                              |
| 5200026514      | 01.11.2014   | -35.188,99                                                                             |
| 5000002075      | 31.12.2017   | 35.000,00                                                                              |
| 5200015206      | 30.06.2014   | 34.951,07                                                                              |
| 5200015636      | 01.07.2014   | -34.951,07                                                                             |
| 5200007658      | 31.03.2015   | 34.790,02                                                                              |
| 5200008062      | 01.04.2015   | -34.790,02                                                                             |
| 5200014283      | 31.12.2003   | 34.755,15                                                                              |
| 5200000379      | 01.01.2004   | -34.755,15                                                                             |
| 5200013658      | 30.04.2017   | 34.747,40                                                                              |
| 5200014215      | 01.05.2017   | -34.747,40                                                                             |
| 5200015202      | 30.06.2014   | 34.708,70                                                                              |
| 5200015632      | 01.07.2014   | -34.708,70                                                                             |
| 5200010211      | 31.03.2013   | 34.489,11                                                                              |
| 5200010554      | 01.04.2013   | -34.489,11                                                                             |
| 5200029123      | 31.10.2013   | 34.392,50                                                                              |
| 5200029465      | 01.11.2013   | -34.392,50                                                                             |
| 5200026411      | 30.09.2013   | 34.357,08                                                                              |
| 5200026780      | 01.10.2013   | -34.357,08                                                                             |
| 5200008370      | 31.03.2016   | 34.354,79                                                                              |
| 5200008859      | 01.04.2016   | -34.354,79                                                                             |
| 5200005737      | 30.04.2002   | 34.352,06                                                                              |
| 5200005760      | 01.05.2002   | -34.352,06                                                                             |
| 5200001748      | 31.05.2001   | 34.306,44                                                                              |
| 5200001775      | 01.06.2001   | -34.306,44                                                                             |
| 5200006149      | 28.02.2017   | 34.193,97                                                                              |
| 5200006692      | 01.03.2017   | -34.193,97                                                                             |
| 5200028678      | 30.11.2012   | 34.116,39                                                                              |
| 5200028987      | 01.12.2012   | -34.116,39                                                                             |
| 5200022909      | 31.08.2015   | 33.987,85                                                                              |
| 5200023289      | 01.09.2015   | -33.987,85                                                                             |
| 5200035529      | 31.10.2017   | 33.875,71                                                                              |
| 5200036085      | 01.11.2017   | -33.875,71                                                                             |
| 5200021076      | 31.08.2014   | 33.654,48                                                                              |
| 5200021509      | 01.09.2014   | -33.654,48                                                                             |
| 2706000         | 31.01.1995   | 33.642,42                                                                              |
| 2706014         | 07.02.1995   | -33.642,42                                                                             |
| 5200010690      | 30.04.2016   | 33.623,47                                                                              |
| 5200011174      | 01.05.2016   | -33.623,47                                                                             |
| 5200007613      | 30.06.2002   | 33.351,64                                                                              |
| 5200007636      | 01.07.2002   | -33.351,64                                                                             |
| 5200012282      | 31.05.2014   | 33.163,29                                                                              |
| 5200012729      | 01.06.2014   | -33.163,29                                                                             |
| 5200017522      | 31.07.2012   | 33.132,24                                                                              |
| 5200017808      | 01.08.2012   | -33.132,24                                                                             |
| 5200026486      | 30.09.2013   | 32.922,01                                                                              |
| 5200026855      | 01.10.2013   | -32.922,01                                                                             |
| 5200031293      | 31.12.2014   | 32.797,01                                                                              |
| 5200022159      | 30.09.2012   | 32.749,50                                                                              |
| 5200022453      | 01.10.2012   | -32.749,50                                                                             |
| 5200024392      | 31.07.2017   | 32.723,35                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200024941      | 01.08.2017   | -32.723,35                                                                             |
| 5200023876      | 31.08.2013   | 32.689,87                                                                              |
| 5200024229      | 01.09.2013   | -32.689,87                                                                             |
| 5200003106      | 31.01.2013   | 32.687,75                                                                              |
| 5200003447      | 01.02.2013   | -32.687,75                                                                             |
| 5000002216      | 31.12.2017   | -32.572,46                                                                             |
| 5200028976      | 31.10.2015   | 32.560,81                                                                              |
| 5200029384      | 01.11.2015   | -32.560,81                                                                             |
| 5000002157      | 31.12.2017   | 32.500,00                                                                              |
| 5000002157      | 31.12.2017   | 32.500,00                                                                              |
| 5200026231      | 30.09.2015   | 32.419,49                                                                              |
| 5200026646      | 01.10.2015   | -32.419,49                                                                             |
| 5200020563      | 31.07.2016   | 31.988,86                                                                              |
| 5200021033      | 01.08.2016   | -31.988,86                                                                             |
| 5200032717      | 30.11.2016   | 31.846,67                                                                              |
| 5200033184      | 01.12.2016   | -31.846,67                                                                             |
| 5200023364      | 31.08.2016   | 31.833,19                                                                              |
| 5200023827      | 01.09.2016   | -31.833,19                                                                             |
| 5200018339      | 30.06.2013   | 31.812,58                                                                              |
| 5200018739      | 01.07.2013   | -31.812,58                                                                             |
| 5200040183      | 30.11.2017   | 31.807,97                                                                              |
| 5200040733      | 01.12.2017   | -31.807,97                                                                             |
| 5200028361      | 31.08.2017   | 31.726,43                                                                              |
| 5200028923      | 01.09.2017   | -31.726,43                                                                             |
| 5200023799      | 31.08.2013   | 31.587,16                                                                              |
| 5200024152      | 01.09.2013   | -31.587,16                                                                             |
| 5200003618      | 31.03.2003   | 31.450,53                                                                              |
| 5200003646      | 01.04.2003   | -31.450,53                                                                             |
| 5200023517      | 31.08.2016   | 31.443,34                                                                              |
| 5200023980      | 01.09.2016   | -31.443,34                                                                             |
| 5200026164      | 31.10.2014   | 31.434,68                                                                              |
| 5200026517      | 01.11.2014   | -31.434,68                                                                             |
| 5000002163      | 31.12.2017   | 31.371,89                                                                              |
| 5000002216      | 31.12.2017   | -31.371,89                                                                             |
| 5200011821      | 30.04.2015   | 31.294,42                                                                              |
| 5200012235      | 01.05.2015   | -31.294,42                                                                             |
| 5200006615      | 31.03.2012   | 31.170,35                                                                              |
| 5200006912      | 01.04.2012   | -31.170,35                                                                             |
| 5200014726      | 30.06.2012   | 31.083,40                                                                              |
| 5200015016      | 01.07.2012   | -31.083,40                                                                             |
| 5200033934      | 31.12.2013   | 31.011,12                                                                              |
| 5200000628      | 01.01.2014   | -31.011,12                                                                             |
| 5200005750      | 31.05.2003   | 30.997,00                                                                              |
| 5200005777      | 01.06.2003   | -30.997,00                                                                             |
| 5200020267      | 31.07.2015   | 30.938,66                                                                              |
| 5200020635      | 01.08.2015   | -30.938,66                                                                             |
| 5200034667      | 31.12.2016   | 30.878,91                                                                              |
| 5200000763      | 01.01.2017   | -30.878,91                                                                             |
| 5000002163      | 31.12.2017   | 30.824,46                                                                              |
| 5200020117      | 31.08.2012   | 30.677,93                                                                              |
| 5200020403      | 01.09.2012   | -30.677,93                                                                             |
| 5200004238      | 31.07.2001   | 30.606,90                                                                              |
| 5200005642      | 31.08.2001   | 30.606,90                                                                              |
| 5200004265      | 01.08.2001   | -30.606,90                                                                             |
| 5200005668      | 01.09.2001   | -30.606,90                                                                             |
| 5200018154      | 31.07.2014   | 30.524,56                                                                              |
| 5200018577      | 01.08.2014   | -30.524,56                                                                             |
| 5200015603      | 31.05.2013   | 30.519,39                                                                              |
| 5200015963      | 01.06.2013   | -30.519,39                                                                             |
| 5000002163      | 31.12.2017   | 30.518,93                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200013026      | 30.04.2013   | 30.450,38                                                                              |
| 5200013377      | 01.05.2013   | -30.450,38                                                                             |
| 5200026165      | 31.10.2014   | 30.401,79                                                                              |
| 5200026518      | 01.11.2014   | -30.401,79                                                                             |
| 5200021206      | 31.07.2013   | 30.398,88                                                                              |
| 5200021563      | 01.08.2013   | -30.398,88                                                                             |
| 5200012969      | 30.04.2013   | 30.339,38                                                                              |
| 5200013320      | 01.05.2013   | -30.339,38                                                                             |
| 5200026421      | 30.09.2013   | 30.289,08                                                                              |
| 5200026790      | 01.10.2013   | -30.289,08                                                                             |
| 5200031591      | 30.11.2013   | 30.265,38                                                                              |
| 5200031947      | 01.12.2013   | -30.265,38                                                                             |
| 5200009347      | 31.07.2002   | 30.152,84                                                                              |
| 5200010544      | 31.08.2002   | 30.152,84                                                                              |
| 5200009371      | 01.08.2002   | -30.152,84                                                                             |
| 5200010568      | 01.09.2002   | -30.152,84                                                                             |
| 5200001509      | 31.01.2014   | 30.093,97                                                                              |
| 5200001881      | 01.02.2014   | -30.093,97                                                                             |
| 5200005356      | 29.02.2016   | 30.051,53                                                                              |
| 5200005876      | 01.03.2016   | -30.051,53                                                                             |
| 5200010322      | 31.03.2013   | 30.017,25                                                                              |
| 5200010665      | 01.04.2013   | -30.017,25                                                                             |
| 5000002163      | 31.12.2017   | 30.000,00                                                                              |
| 5000002075      | 31.12.2017   | 30.000,00                                                                              |
| 5200004414      | 28.02.2015   | 29.959,92                                                                              |
| 5200004845      | 01.03.2015   | -29.959,92                                                                             |
| 5000002163      | 31.12.2017   | 29.880,00                                                                              |
| 5200008928      | 30.04.2012   | 29.816,45                                                                              |
| 5200009206      | 01.05.2012   | -29.816,45                                                                             |
| 2713403         | 30.09.1995   | 29.814,70                                                                              |
| 2713429         | 05.10.1995   | -29.814,70                                                                             |
| 5200010756      | 30.04.2016   | 29.674,69                                                                              |
| 5200011240      | 01.05.2016   | -29.674,69                                                                             |
| 5200004094      | 29.02.2012   | 29.645,30                                                                              |
| 5200004366      | 01.03.2012   | -29.645,30                                                                             |
| 5200004255      | 28.02.2014   | 29.475,32                                                                              |
| 5200004656      | 01.03.2014   | -29.475,32                                                                             |
| 5200031146      | 31.12.2014   | 29.351,02                                                                              |
| 5200000473      | 01.01.2015   | -29.351,02                                                                             |
| 5000002163      | 31.12.2017   | 29.338,18                                                                              |
| 5200012467      | 31.05.2014   | 29.296,88                                                                              |
| 5200012914      | 01.06.2014   | -29.296,88                                                                             |
| 5200013172      | 30.11.2003   | 29.280,81                                                                              |
| 5200013195      | 01.12.2003   | -29.280,81                                                                             |
| 5200018356      | 31.07.2014   | 29.280,01                                                                              |
| 5200018779      | 01.08.2014   | -29.280,01                                                                             |
| 5200008437      | 31.03.2016   | 29.253,58                                                                              |
| 5200008926      | 01.04.2016   | -29.253,58                                                                             |
| 5200042420      | 31.12.2017   | 29.195,36                                                                              |
| 5200005924      | 28.02.2017   | 29.195,35                                                                              |
| 5200009095      | 31.03.2017   | 29.195,35                                                                              |
| 5200013641      | 30.04.2017   | 29.195,35                                                                              |
| 5200028133      | 31.08.2017   | 29.195,35                                                                              |
| 5200006467      | 01.03.2017   | -29.195,35                                                                             |
| 5200009634      | 01.04.2017   | -29.195,35                                                                             |
| 5200014198      | 01.05.2017   | -29.195,35                                                                             |
| 5200028695      | 01.09.2017   | -29.195,35                                                                             |
| 5200007367      | 28.02.2013   | 29.189,38                                                                              |
| 5200007700      | 01.03.2013   | -29.189,38                                                                             |
| 5200037334      | 31.12.2001   | 29.173,59                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000582      | 01.01.2002   | -29.173,59                                                                             |
| 5200014818      | 31.05.2015   | 29.099,99                                                                              |
| 5200015209      | 01.06.2015   | -29.099,99                                                                             |
| 5200021449      | 30.06.2017   | 29.096,08                                                                              |
| 5200022007      | 01.07.2017   | -29.096,08                                                                             |
| 5200005933      | 28.02.2017   | 28.991,09                                                                              |
| 5200006476      | 01.03.2017   | -28.991,09                                                                             |
| 5200001729      | 31.05.2001   | 28.941,17                                                                              |
| 5200003137      | 30.06.2001   | 28.941,17                                                                              |
| 5200001756      | 01.06.2001   | -28.941,17                                                                             |
| 5200003175      | 01.07.2001   | -28.941,17                                                                             |
| 5200009590      | 30.04.2014   | 28.937,95                                                                              |
| 5200010012      | 01.05.2014   | -28.937,95                                                                             |
| 5200014431      | 31.05.2016   | 28.829,83                                                                              |
| 5200014906      | 01.06.2016   | -28.829,83                                                                             |
| 5200020148      | 31.12.2011   | 28.828,64                                                                              |
| 5200000621      | 01.01.2012   | -28.828,64                                                                             |
| 5000002163      | 31.12.2017   | 28.742,57                                                                              |
| 5000002216      | 31.12.2017   | -28.742,57                                                                             |
| 5000002163      | 31.12.2017   | 28.732,36                                                                              |
| 5200025901      | 31.10.2012   | 28.711,23                                                                              |
| 5200026206      | 01.11.2012   | -28.711,23                                                                             |
| 5200031595      | 30.11.2013   | 28.679,57                                                                              |
| 5200031951      | 01.12.2013   | -28.679,57                                                                             |
| 5200004054      | 29.02.2012   | 28.658,09                                                                              |
| 5200004326      | 01.03.2012   | -28.658,09                                                                             |
| 5200026520      | 30.09.2016   | 28.600,58                                                                              |
| 5200026976      | 01.10.2016   | -28.600,58                                                                             |
| 5200042685      | 31.12.2017   | 28.570,75                                                                              |
| 5200009788      | 30.04.2014   | 28.558,13                                                                              |
| 5200010210      | 01.05.2014   | -28.558,13                                                                             |
| 5000002163      | 31.12.2017   | 28.480,62                                                                              |
| 2706971         | 28.02.1995   | 28.469,78                                                                              |
| 2706992         | 07.03.1995   | -28.469,78                                                                             |
| 5200017457      | 31.07.2012   | 28.398,44                                                                              |
| 5200017743      | 01.08.2012   | -28.398,44                                                                             |
| 5200031841      | 30.09.2017   | 28.392,22                                                                              |
| 5200032399      | 01.10.2017   | -28.392,22                                                                             |
| 5200006829      | 31.03.2014   | 28.291,38                                                                              |
| 5200007235      | 01.04.2014   | -28.291,38                                                                             |
| 5200014392      | 31.05.2016   | 28.251,08                                                                              |
| 5200016664      | 30.06.2016   | 28.251,08                                                                              |
| 5200020399      | 31.07.2016   | 28.251,08                                                                              |
| 5200023361      | 31.08.2016   | 28.251,08                                                                              |
| 5200026537      | 30.09.2016   | 28.251,08                                                                              |
| 5200029584      | 31.10.2016   | 28.251,08                                                                              |
| 5200032566      | 30.11.2016   | 28.251,08                                                                              |
| 5200034514      | 31.12.2016   | 28.251,08                                                                              |
| 5200002710      | 31.01.2017   | 28.251,08                                                                              |
| 5200005954      | 28.02.2017   | 28.251,08                                                                              |
| 5200009123      | 31.03.2017   | 28.251,08                                                                              |
| 5200013670      | 30.04.2017   | 28.251,08                                                                              |
| 5200017689      | 31.05.2017   | 28.251,08                                                                              |
| 5200021401      | 30.06.2017   | 28.251,08                                                                              |
| 5200024421      | 31.07.2017   | 28.251,08                                                                              |
| 5200028163      | 31.08.2017   | 28.251,08                                                                              |
| 5200031855      | 30.09.2017   | 28.251,08                                                                              |
| 5200042449      | 31.12.2017   | 28.251,08                                                                              |
| 5200014867      | 01.06.2016   | -28.251,08                                                                             |
| 5200017125      | 01.07.2016   | -28.251,08                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020869      | 01.08.2016   | -28.251,08                                                                             |
| 5200023824      | 01.09.2016   | -28.251,08                                                                             |
| 5200026993      | 01.10.2016   | -28.251,08                                                                             |
| 5200030035      | 01.11.2016   | -28.251,08                                                                             |
| 5200033033      | 01.12.2016   | -28.251,08                                                                             |
| 5200000610      | 01.01.2017   | -28.251,08                                                                             |
| 5200003260      | 01.02.2017   | -28.251,08                                                                             |
| 5200006497      | 01.03.2017   | -28.251,08                                                                             |
| 5200009662      | 01.04.2017   | -28.251,08                                                                             |
| 5200014227      | 01.05.2017   | -28.251,08                                                                             |
| 5200018250      | 01.06.2017   | -28.251,08                                                                             |
| 5200021959      | 01.07.2017   | -28.251,08                                                                             |
| 5200024970      | 01.08.2017   | -28.251,08                                                                             |
| 5200028725      | 01.09.2017   | -28.251,08                                                                             |
| 5200032413      | 01.10.2017   | -28.251,08                                                                             |
| 5200023819      | 31.08.2013   | 28.209,92                                                                              |
| 5200024172      | 01.09.2013   | -28.209,92                                                                             |
| 5200020441      | 31.07.2016   | 28.159,89                                                                              |
| 5200020911      | 01.08.2016   | -28.159,89                                                                             |
| 4300301843      | 14.12.2017   | -28.108,18                                                                             |
| 5200026529      | 30.09.2013   | 28.077,57                                                                              |
| 5200026898      | 01.10.2013   | -28.077,57                                                                             |
| 5200031709      | 30.11.2013   | 28.022,44                                                                              |
| 5200032065      | 01.12.2013   | -28.022,44                                                                             |
| 5200020402      | 31.07.2016   | 28.022,38                                                                              |
| 5200020872      | 01.08.2016   | -28.022,38                                                                             |
| 5200029178      | 31.10.2013   | 28.020,95                                                                              |
| 5200029520      | 01.11.2013   | -28.020,95                                                                             |
| 5200000620      | 01.01.2015   | -28.020,20                                                                             |
| 5200009567      | 30.04.2014   | 27.846,46                                                                              |
| 5200009989      | 01.05.2014   | -27.846,46                                                                             |
| 5200028146      | 31.08.2017   | 27.670,22                                                                              |
| 5200028708      | 01.09.2017   | -27.670,22                                                                             |
| 5200029738      | 31.10.2016   | 27.594,32                                                                              |
| 5200030189      | 01.11.2016   | -27.594,32                                                                             |
| 5200014725      | 31.05.2015   | 27.476,89                                                                              |
| 5200015116      | 01.06.2015   | -27.476,89                                                                             |
| 5000002163      | 31.12.2017   | 27.390,00                                                                              |
| 5200006607      | 31.03.2012   | 27.332,83                                                                              |
| 5200006904      | 01.04.2012   | -27.332,83                                                                             |
| 5200029568      | 31.10.2016   | 27.259,89                                                                              |
| 5200030019      | 01.11.2016   | -27.259,89                                                                             |
| 5200002212      | 31.01.2012   | 27.244,89                                                                              |
| 5200002455      | 01.02.2012   | -27.244,89                                                                             |
| 5200008369      | 31.03.2016   | 27.225,37                                                                              |
| 5200008858      | 01.04.2016   | -27.225,37                                                                             |
| 2714378         | 01.11.1995   | 27.225,19                                                                              |
| 2714356         | 03.11.1995   | -27.225,19                                                                             |
| 5200009169      | 31.03.2017   | 27.213,05                                                                              |
| 5200009708      | 01.04.2017   | -27.213,05                                                                             |
| 5200013639      | 30.04.2017   | 27.174,00                                                                              |
| 5200014196      | 01.05.2017   | -27.174,00                                                                             |
| 5200040117      | 30.11.2017   | 27.170,34                                                                              |
| 5200040667      | 01.12.2017   | -27.170,34                                                                             |
| 5200006105      | 30.09.2001   | 27.161,67                                                                              |
| 5200006132      | 01.10.2001   | -27.161,67                                                                             |
| 5200008557      | 31.03.2016   | 27.127,63                                                                              |
| 5200009046      | 01.04.2016   | -27.127,63                                                                             |
| 2710565         | 30.06.1995   | 27.106,67                                                                              |
| 2710587         | 05.07.1995   | -27.106,67                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200037337      | 31.12.2001   | 27.053,66                                                                              |
| 5200000585      | 01.01.2002   | -27.053,66                                                                             |
| 5200006972      | 31.05.2002   | 27.025,80                                                                              |
| 5200006986      | 01.06.2002   | -27.025,80                                                                             |
| 5200031151      | 31.12.2014   | 26.994,37                                                                              |
| 5200000478      | 01.01.2015   | -26.994,37                                                                             |
| 5200028812      | 30.11.2014   | 26.990,47                                                                              |
| 5200029176      | 01.12.2014   | -26.990,47                                                                             |
| 5200004507      | 31.03.2002   | 26.940,52                                                                              |
| 5200004528      | 01.04.2002   | -26.940,52                                                                             |
| 5200020190      | 31.07.2015   | 26.920,50                                                                              |
| 5200020558      | 01.08.2015   | -26.920,50                                                                             |
| 5200010284      | 30.09.2003   | 26.886,23                                                                              |
| 5200010310      | 01.10.2003   | -26.886,23                                                                             |
| 5000002163      | 31.12.2017   | 26.779,00                                                                              |
| 5000002216      | 31.12.2017   | -26.779,00                                                                             |
| 5200023681      | 30.09.2014   | 26.753,25                                                                              |
| 5200024006      | 01.10.2014   | -26.753,25                                                                             |
| 5200010262      | 30.09.2003   | 26.745,15                                                                              |
| 5200010288      | 01.10.2003   | -26.745,15                                                                             |
| 5200003031      | 31.01.2013   | 26.672,75                                                                              |
| 5200003373      | 01.02.2013   | -26.672,75                                                                             |
| 5200015545      | 31.05.2013   | 26.638,59                                                                              |
| 5200015905      | 01.06.2013   | -26.638,59                                                                             |
| 2763336         | 31.12.1998   | 26.602,70                                                                              |
| 2763343         | 06.01.1999   | -26.602,70                                                                             |
| 5200018278      | 30.06.2013   | 26.546,05                                                                              |
| 5200018678      | 01.07.2013   | -26.546,05                                                                             |
| 5200006774      | 30.06.2003   | 26.506,70                                                                              |
| 5200006800      | 01.07.2003   | -26.506,70                                                                             |
| 5200031959      | 30.11.2015   | 26.477,09                                                                              |
| 5200032362      | 01.12.2015   | -26.477,09                                                                             |
| 5200022914      | 31.08.2015   | 26.418,62                                                                              |
| 5200023294      | 01.09.2015   | -26.418,62                                                                             |
| 5200012908      | 30.04.2013   | 26.220,23                                                                              |
| 5200013259      | 01.05.2013   | -26.220,23                                                                             |
| 5200026511      | 30.09.2013   | 26.198,70                                                                              |
| 5200026880      | 01.10.2013   | -26.198,70                                                                             |
| 5200010271      | 31.03.2013   | 26.134,71                                                                              |
| 5200010614      | 01.04.2013   | -26.134,71                                                                             |
| 5200018392      | 30.06.2013   | 26.067,22                                                                              |
| 5200018792      | 01.07.2013   | -26.067,22                                                                             |
| 5200020882      | 31.08.2014   | 26.062,10                                                                              |
| 5200021315      | 01.09.2014   | -26.062,10                                                                             |
| 5200002277      | 31.01.2012   | 26.042,41                                                                              |
| 5200002520      | 01.02.2012   | -26.042,41                                                                             |
| 5000002163      | 31.12.2017   | 25.977,67                                                                              |
| 5200020096      | 31.08.2012   | 25.908,26                                                                              |
| 5200020382      | 01.09.2012   | -25.908,26                                                                             |
| 5200029224      | 31.10.2013   | 25.833,87                                                                              |
| 5200029566      | 01.11.2013   | -25.833,87                                                                             |
| 5200001730      | 31.05.2001   | 25.727,88                                                                              |
| 5200001757      | 01.06.2001   | -25.727,88                                                                             |
| 5200002125      | 31.01.2015   | 25.497,38                                                                              |
| 5200002549      | 01.02.2015   | -25.497,38                                                                             |
| 5200028599      | 30.11.2012   | 25.477,77                                                                              |
| 5200028908      | 01.12.2012   | -25.477,77                                                                             |
| 5200004682      | 30.04.2003   | 25.434,71                                                                              |
| 5200004710      | 01.05.2003   | -25.434,71                                                                             |
| 5200005921      | 28.02.2017   | 25.355,89                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006464      | 01.03.2017   | -25.355,89                                                                             |
| 5200031903      | 30.09.2017   | 25.193,66                                                                              |
| 5200032461      | 01.10.2017   | -25.193,66                                                                             |
| 5200022140      | 30.09.2012   | 25.185,34                                                                              |
| 5200022434      | 01.10.2012   | -25.185,34                                                                             |
| 5200006974      | 31.05.2002   | 25.181,55                                                                              |
| 5200006988      | 01.06.2002   | -25.181,55                                                                             |
| 5200021151      | 31.07.2013   | 25.143,71                                                                              |
| 5200021508      | 01.08.2013   | -25.143,71                                                                             |
| 5200025808      | 31.10.2012   | 25.003,54                                                                              |
| 5200026113      | 01.11.2012   | -25.003,54                                                                             |
| 5200003624      | 31.03.2003   | 24.913,40                                                                              |
| 5200003651      | 01.04.2003   | -24.913,40                                                                             |
| 5200012954      | 31.10.2002   | 24.901,59                                                                              |
| 5200012976      | 01.11.2002   | -24.901,59                                                                             |
| 5000002163      | 31.12.2017   | 24.900,00                                                                              |
| 5200010692      | 30.04.2016   | 24.831,74                                                                              |
| 5200011176      | 01.05.2016   | -24.831,74                                                                             |
| 5200006107      | 30.09.2001   | 24.732,40                                                                              |
| 5200006134      | 01.10.2001   | -24.732,40                                                                             |
| 5200028808      | 30.11.2014   | 24.691,64                                                                              |
| 5200029172      | 01.12.2014   | -24.691,64                                                                             |
| 5000002163      | 31.12.2017   | 24.633,07                                                                              |
| 5200017550      | 31.07.2012   | 24.592,45                                                                              |
| 5200017836      | 01.08.2012   | -24.592,45                                                                             |
| 5200031655      | 30.11.2013   | 24.579,37                                                                              |
| 5200032011      | 01.12.2013   | -24.579,37                                                                             |
| 5000002216      | 31.12.2017   | -24.493,13                                                                             |
| 5200020384      | 31.07.2016   | 24.438,54                                                                              |
| 5200020854      | 01.08.2016   | -24.438,54                                                                             |
| 5200034509      | 31.12.2016   | 24.399,12                                                                              |
| 5200002705      | 31.01.2017   | 24.399,12                                                                              |
| 5200005949      | 28.02.2017   | 24.399,12                                                                              |
| 5200009118      | 31.03.2017   | 24.399,12                                                                              |
| 5200013665      | 30.04.2017   | 24.399,12                                                                              |
| 5200017684      | 31.05.2017   | 24.399,12                                                                              |
| 5200021396      | 30.06.2017   | 24.399,12                                                                              |
| 5200024416      | 31.07.2017   | 24.399,12                                                                              |
| 5200028158      | 31.08.2017   | 24.399,12                                                                              |
| 5200031850      | 30.09.2017   | 24.399,12                                                                              |
| 5200035524      | 31.10.2017   | 24.399,12                                                                              |
| 5200040129      | 30.11.2017   | 24.399,12                                                                              |
| 5200042444      | 31.12.2017   | 24.399,12                                                                              |
| 5200000605      | 01.01.2017   | -24.399,12                                                                             |
| 5200003255      | 01.02.2017   | -24.399,12                                                                             |
| 5200006492      | 01.03.2017   | -24.399,12                                                                             |
| 5200009657      | 01.04.2017   | -24.399,12                                                                             |
| 5200014222      | 01.05.2017   | -24.399,12                                                                             |
| 5200018245      | 01.06.2017   | -24.399,12                                                                             |
| 5200021954      | 01.07.2017   | -24.399,12                                                                             |
| 5200024965      | 01.08.2017   | -24.399,12                                                                             |
| 5200028720      | 01.09.2017   | -24.399,12                                                                             |
| 5200032408      | 01.10.2017   | -24.399,12                                                                             |
| 5200036080      | 01.11.2017   | -24.399,12                                                                             |
| 5200040679      | 01.12.2017   | -24.399,12                                                                             |
| 5200023572      | 30.09.2014   | 24.325,12                                                                              |
| 5200023897      | 01.10.2014   | -24.325,12                                                                             |
| 5200014114      | 30.11.2002   | 24.281,08                                                                              |
| 5200014137      | 01.12.2002   | -24.281,08                                                                             |
| 5200023354      | 31.08.2016   | 24.248,84                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023817      | 01.09.2016   | -24.248,84                                                                             |
| 2706972         | 28.02.1995   | 24.209,07                                                                              |
| 2706993         | 07.03.1995   | -24.209,07                                                                             |
| 5200028675      | 30.11.2012   | 24.205,47                                                                              |
| 5200022960      | 31.08.2015   | 24.205,47                                                                              |
| 5200028984      | 01.12.2012   | -24.205,47                                                                             |
| 5200023340      | 01.09.2015   | -24.205,47                                                                             |
| 5200011785      | 31.10.2003   | 24.127,30                                                                              |
| 5200011809      | 01.11.2003   | -24.127,30                                                                             |
| 5200020147      | 31.07.2015   | 23.952,64                                                                              |
| 5200020515      | 01.08.2015   | -23.952,64                                                                             |
| 5200033797      | 31.12.2013   | 23.909,46                                                                              |
| 5200000491      | 01.01.2014   | -23.909,46                                                                             |
| 5200007355      | 28.02.2013   | 23.833,43                                                                              |
| 5200007688      | 01.03.2013   | -23.833,43                                                                             |
| 5200004114      | 28.02.2014   | 23.731,68                                                                              |
| 5200004515      | 01.03.2014   | -23.731,68                                                                             |
| 5200006884      | 31.03.2014   | 23.696,76                                                                              |
| 5200007290      | 01.04.2014   | -23.696,76                                                                             |
| 5200035579      | 31.10.2017   | 23.599,24                                                                              |
| 5200036135      | 01.11.2017   | -23.599,24                                                                             |
| 5200020158      | 31.12.2011   | 23.556,39                                                                              |
| 5200000631      | 01.01.2012   | -23.556,39                                                                             |
| 5200000005      | 30.04.2001   | 23.482,13                                                                              |
| 5200000032      | 01.05.2001   | -23.482,13                                                                             |
| 5200033848      | 31.12.2013   | 23.402,12                                                                              |
| 5200000542      | 01.01.2014   | -23.402,12                                                                             |
| 5200002124      | 31.01.2015   | 23.395,67                                                                              |
| 5200002548      | 01.02.2015   | -23.395,67                                                                             |
| 5000002163      | 31.12.2017   | 23.362,43                                                                              |
| 5200018161      | 31.07.2014   | 23.291,32                                                                              |
| 5200018584      | 01.08.2014   | -23.291,32                                                                             |
| 5200005738      | 30.04.2002   | 23.257,21                                                                              |
| 5200005761      | 01.05.2002   | -23.257,21                                                                             |
| 5200022911      | 31.08.2015   | 23.246,92                                                                              |
| 5200023291      | 01.09.2015   | -23.246,92                                                                             |
| 5200035512      | 31.10.2017   | 23.246,91                                                                              |
| 5200036068      | 01.11.2017   | -23.246,91                                                                             |
| 5200031838      | 30.09.2017   | 23.237,49                                                                              |
| 5200032396      | 01.10.2017   | -23.237,49                                                                             |
| 5200012907      | 30.04.2013   | 23.148,83                                                                              |
| 5200013258      | 01.05.2013   | -23.148,83                                                                             |
| 2705212         | 31.12.1994   | 23.141,91                                                                              |
| 2705232         | 02.01.1995   | -23.141,91                                                                             |
| 5200023401      | 31.08.2016   | 23.117,06                                                                              |
| 5200023864      | 01.09.2016   | -23.117,06                                                                             |
| 5200031295      | 31.12.2014   | 23.113,90                                                                              |
| 5200010238      | 31.03.2013   | 23.085,02                                                                              |
| 5200010581      | 01.04.2013   | -23.085,02                                                                             |
| 5200007390      | 28.02.2013   | 23.078,23                                                                              |
| 5200007723      | 01.03.2013   | -23.078,23                                                                             |
| 5200042498      | 31.12.2017   | 23.062,15                                                                              |
| 5000002163      | 31.12.2017   | 23.049,60                                                                              |
| 5200001639      | 31.01.2016   | 23.000,05                                                                              |
| 5200002130      | 01.02.2016   | -23.000,05                                                                             |
| 5200023761      | 31.08.2013   | 22.934,60                                                                              |
| 5200024114      | 01.09.2013   | -22.934,60                                                                             |
| 5200025791      | 31.10.2012   | 22.908,87                                                                              |
| 5200026096      | 01.11.2012   | -22.908,87                                                                             |
| 5200008399      | 31.03.2016   | 22.800,00                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008888      | 01.04.2016   | -22.800,00                                                                             |
| 5200020944      | 31.08.2014   | 22.631,61                                                                              |
| 5200021377      | 01.09.2014   | -22.631,61                                                                             |
| 5200015278      | 30.06.2014   | 22.606,47                                                                              |
| 5200015708      | 01.07.2014   | -22.606,47                                                                             |
| 5200024389      | 31.07.2017   | 22.598,41                                                                              |
| 5200024938      | 01.08.2017   | -22.598,41                                                                             |
| 5200002214      | 31.01.2012   | 22.581,82                                                                              |
| 5200002457      | 01.02.2012   | -22.581,82                                                                             |
| 5200009644      | 30.04.2014   | 22.572,53                                                                              |
| 5200012335      | 31.05.2014   | 22.572,53                                                                              |
| 5200010066      | 01.05.2014   | -22.572,53                                                                             |
| 5200012782      | 01.06.2014   | -22.572,53                                                                             |
| 5200018224      | 31.07.2014   | 22.567,42                                                                              |
| 5200018647      | 01.08.2014   | -22.567,42                                                                             |
| 5200004050      | 29.02.2012   | 22.525,34                                                                              |
| 5200004322      | 01.03.2012   | -22.525,34                                                                             |
| 5200002120      | 31.01.2015   | 22.477,86                                                                              |
| 5200002544      | 01.02.2015   | -22.477,86                                                                             |
| 5200021259      | 31.07.2013   | 22.452,61                                                                              |
| 5200021616      | 01.08.2013   | -22.452,61                                                                             |
| 2712481         | 31.08.1995   | 22.441,93                                                                              |
| 2712505         | 04.09.1995   | -22.441,93                                                                             |
| 5000002163      | 31.12.2017   | 22.410,00                                                                              |
| 5000002216      | 31.12.2017   | -22.410,00                                                                             |
| 5200017564      | 30.06.2015   | 22.398,29                                                                              |
| 5200017917      | 01.07.2015   | -22.398,29                                                                             |
| 5200001396      | 31.01.2014   | 22.381,18                                                                              |
| 5200001768      | 01.02.2014   | -22.381,18                                                                             |
| 5200014298      | 31.12.2003   | 22.316,82                                                                              |
| 5200000394      | 01.01.2004   | -22.316,82                                                                             |
| 5000002163      | 31.12.2017   | 22.310,40                                                                              |
| 5200018274      | 30.06.2013   | 22.241,58                                                                              |
| 5200018674      | 01.07.2013   | -22.241,58                                                                             |
| 5200004508      | 31.03.2002   | 22.233,40                                                                              |
| 5200004529      | 01.04.2002   | -22.233,40                                                                             |
| 5200026530      | 30.09.2016   | 22.062,89                                                                              |
| 5200026986      | 01.10.2016   | -22.062,89                                                                             |
| 5200020151      | 31.07.2015   | 22.014,78                                                                              |
| 5200020519      | 01.08.2015   | -22.014,78                                                                             |
| 5000002163      | 31.12.2017   | 21.966,82                                                                              |
| 5200033767      | 31.12.2015   | 21.947,42                                                                              |
| 5200000481      | 01.01.2016   | -21.947,42                                                                             |
| 2709658         | 31.05.1995   | 21.945,96                                                                              |
| 2709680         | 06.06.1995   | -21.945,96                                                                             |
| 5200033806      | 31.12.2015   | 21.899,12                                                                              |
| 5200000520      | 01.01.2016   | -21.899,12                                                                             |
| 5200028970      | 30.11.2014   | 21.789,78                                                                              |
| 5200029334      | 01.12.2014   | -21.789,78                                                                             |
| 5200026200      | 30.09.2015   | 21.759,62                                                                              |
| 5200026615      | 01.10.2015   | -21.759,62                                                                             |
| 5200002210      | 31.01.2012   | 21.689,93                                                                              |
| 5200002453      | 01.02.2012   | -21.689,93                                                                             |
| 5200011820      | 30.04.2015   | 21.666,10                                                                              |
| 5200012234      | 01.05.2015   | -21.666,10                                                                             |
| 5200011966      | 31.05.2012   | 21.574,94                                                                              |
| 5200012240      | 01.06.2012   | -21.574,94                                                                             |
| 5200014859      | 31.05.2015   | 21.567,23                                                                              |
| 5200015250      | 01.06.2015   | -21.567,23                                                                             |
| 5200018216      | 30.06.2013   | 21.539,33                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200018616      | 01.07.2013   | -21.539,33                                                                             |
| 2708004         | 31.03.1995   | 21.529,05                                                                              |
| 2707929         | 07.04.1995   | -21.529,05                                                                             |
| 5200042679      | 31.12.2017   | 21.528,90                                                                              |
| 5200015220      | 30.06.2014   | 21.494,33                                                                              |
| 5200015650      | 01.07.2014   | -21.494,33                                                                             |
| 5200004138      | 28.02.2014   | 21.465,33                                                                              |
| 5200004539      | 01.03.2014   | -21.465,33                                                                             |
| 5200024405      | 31.07.2017   | 21.403,93                                                                              |
| 5200024954      | 01.08.2017   | -21.403,93                                                                             |
| 5200017735      | 31.05.2017   | 21.403,29                                                                              |
| 5200018296      | 01.06.2017   | -21.403,29                                                                             |
| 5200002515      | 28.02.2003   | 21.368,38                                                                              |
| 5200002542      | 01.03.2003   | -21.368,38                                                                             |
| 5200009091      | 31.03.2017   | 21.192,30                                                                              |
| 5200009630      | 01.04.2017   | -21.192,30                                                                             |
| 5200029125      | 31.10.2013   | 21.168,46                                                                              |
| 5200029467      | 01.11.2013   | -21.168,46                                                                             |
| 5200022125      | 30.09.2012   | 21.153,43                                                                              |
| 5200022419      | 01.10.2012   | -21.153,43                                                                             |
| 5200013075      | 30.04.2013   | 21.096,66                                                                              |
| 5200013426      | 01.05.2013   | -21.096,66                                                                             |
| 5000001476      | 30.11.2016   | 21.000,00                                                                              |
| 5200005957      | 28.02.2017   | 20.870,85                                                                              |
| 5200006500      | 01.03.2017   | -20.870,85                                                                             |
| 5200031584      | 30.11.2013   | 20.828,63                                                                              |
| 5200031940      | 01.12.2013   | -20.828,63                                                                             |
| 5200005289      | 29.02.2016   | 20.786,00                                                                              |
| 5200005809      | 01.03.2016   | -20.786,00                                                                             |
| 5200011780      | 31.10.2003   | 20.770,97                                                                              |
| 5200011804      | 01.11.2003   | -20.770,97                                                                             |
| 5200029025      | 31.10.2015   | 20.671,86                                                                              |
| 5200029433      | 01.11.2015   | -20.671,86                                                                             |
| 5200014544      | 31.05.2016   | 20.636,70                                                                              |
| 5200015019      | 01.06.2016   | -20.636,70                                                                             |
| 5000002163      | 31.12.2017   | 20.611,22                                                                              |
| 5200001338      | 31.01.2014   | 20.601,03                                                                              |
| 5200001710      | 01.02.2014   | -20.601,03                                                                             |
| 2710561         | 30.06.1995   | 20.531,48                                                                              |
| 2710583         | 05.07.1995   | -20.531,48                                                                             |
| 5200003630      | 31.03.2003   | 20.469,02                                                                              |
| 5200003657      | 01.04.2003   | -20.469,02                                                                             |
| 5200022953      | 31.08.2015   | 20.464,95                                                                              |
| 5200023333      | 01.09.2015   | -20.464,95                                                                             |
| 5200030978      | 31.12.2012   | 20.392,13                                                                              |
| 5200000595      | 01.01.2013   | -20.392,13                                                                             |
| 5200023352      | 31.08.2016   | 20.354,72                                                                              |
| 5200023815      | 01.09.2016   | -20.354,72                                                                             |
| 5200013719      | 30.04.2017   | 20.352,15                                                                              |
| 5200014276      | 01.05.2017   | -20.352,15                                                                             |
| 5200017448      | 30.06.2015   | 20.259,24                                                                              |
| 5200017801      | 01.07.2015   | -20.259,24                                                                             |
| 5200026528      | 30.09.2016   | 20.245,28                                                                              |
| 5200032558      | 30.11.2016   | 20.245,28                                                                              |
| 5200026984      | 01.10.2016   | -20.245,28                                                                             |
| 5200033025      | 01.12.2016   | -20.245,28                                                                             |
| 5200040099      | 30.11.2017   | 20.183,99                                                                              |
| 5200040649      | 01.12.2017   | -20.183,99                                                                             |
| 5000002163      | 31.12.2017   | 20.059,44                                                                              |
| 5200009571      | 30.04.2014   | 20.015,92                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200009993      | 01.05.2014   | -20.015,92                                                                             |
| 5200026313      | 31.10.2014   | 20.008,25                                                                              |
| 5200026666      | 01.11.2014   | -20.008,25                                                                             |
| 5200023678      | 30.09.2014   | 20.006,84                                                                              |
| 5200024003      | 01.10.2014   | -20.006,84                                                                             |
| 5200018584      | 01.07.2013   | 19.993,93                                                                              |
| 5200018413      | 30.06.2013   | -19.993,93                                                                             |
| 5200009659      | 30.04.2014   | 19.982,30                                                                              |
| 5200010081      | 01.05.2014   | -19.982,30                                                                             |
| 5000002163      | 31.12.2017   | 19.956,35                                                                              |
| 5000002216      | 31.12.2017   | -19.956,35                                                                             |
| 5200021260      | 31.07.2013   | 19.923,65                                                                              |
| 5200021617      | 01.08.2013   | -19.923,65                                                                             |
| 5200004051      | 29.02.2012   | 19.786,96                                                                              |
| 5200004323      | 01.03.2012   | -19.786,96                                                                             |
| 2713394         | 30.09.1995   | 19.740,98                                                                              |
| 2713420         | 05.10.1995   | -19.740,98                                                                             |
| 5200022118      | 30.09.2012   | 19.715,40                                                                              |
| 5200022412      | 01.10.2012   | -19.715,40                                                                             |
| 5200021516      | 30.06.2017   | 19.564,66                                                                              |
| 5200022074      | 01.07.2017   | -19.564,66                                                                             |
| 5200008947      | 31.08.2003   | 19.554,46                                                                              |
| 5200008973      | 01.09.2003   | -19.554,46                                                                             |
| 5000002157      | 31.12.2017   | 19.500,00                                                                              |
| 5000002163      | 31.12.2017   | 19.482,76                                                                              |
| 5000002216      | 31.12.2017   | -19.415,24                                                                             |
| 5200026573      | 30.09.2013   | 19.356,01                                                                              |
| 5200026942      | 01.10.2013   | -19.356,01                                                                             |
| 5200030969      | 31.12.2012   | 19.345,80                                                                              |
| 5200000586      | 01.01.2013   | -19.345,80                                                                             |
| 5200033795      | 31.12.2015   | 19.339,65                                                                              |
| 5200001526      | 31.01.2016   | 19.339,65                                                                              |
| 5200000509      | 01.01.2016   | -19.339,65                                                                             |
| 5200002017      | 01.02.2016   | -19.339,65                                                                             |
| 5000002163      | 31.12.2017   | 19.297,50                                                                              |
| 5200008940      | 31.08.2003   | 19.173,72                                                                              |
| 5200008966      | 01.09.2003   | -19.173,72                                                                             |
| 5000002163      | 31.12.2017   | 19.127,68                                                                              |
| 5200026510      | 30.09.2016   | 19.069,93                                                                              |
| 5200026966      | 01.10.2016   | -19.069,93                                                                             |
| 5200010869      | 30.04.2016   | 19.038,70                                                                              |
| 5200011353      | 01.05.2016   | -19.038,70                                                                             |
| 5200028210      | 31.08.2017   | 19.035,78                                                                              |
| 5200028772      | 01.09.2017   | -19.035,78                                                                             |
| 2714372         | 01.11.1995   | 19.010,32                                                                              |
| 2714350         | 03.11.1995   | -19.010,32                                                                             |
| 5200024469      | 31.07.2017   | 18.993,60                                                                              |
| 5200025018      | 01.08.2017   | -18.993,60                                                                             |
| 5200026478      | 30.09.2013   | 18.932,35                                                                              |
| 5200026847      | 01.10.2013   | -18.932,35                                                                             |
| 5200014370      | 31.05.2016   | 18.904,17                                                                              |
| 5200014845      | 01.06.2016   | -18.904,17                                                                             |
| 5200005751      | 31.05.2003   | 18.837,37                                                                              |
| 5200005778      | 01.06.2003   | -18.837,37                                                                             |
| 5000002163      | 31.12.2017   | 18.824,40                                                                              |
| 5200002307      | 31.01.2015   | 18.816,42                                                                              |
| 5200002731      | 01.02.2015   | -18.816,42                                                                             |
| 5200028978      | 31.10.2015   | 18.806,78                                                                              |
| 5200029386      | 01.11.2015   | -18.806,78                                                                             |
| 5000002163      | 31.12.2017   | 18.755,18                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 21.4.b**  
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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002216      | 31.12.2017   | -18.755,18                                                                             |
| 5000002163      | 31.12.2017   | 18.753,44                                                                              |
| 5000002163      | 31.12.2017   | 18.675,00                                                                              |
| 5000002163      | 31.12.2017   | 18.675,00                                                                              |
| 5200005485      | 29.02.2016   | 18.626,41                                                                              |
| 5200006005      | 01.03.2016   | -18.626,41                                                                             |
| 5200028803      | 30.11.2014   | 18.619,18                                                                              |
| 5200029167      | 01.12.2014   | -18.619,18                                                                             |
| 5200022136      | 30.09.2012   | 18.561,54                                                                              |
| 5200022430      | 01.10.2012   | -18.561,54                                                                             |
| 5200003633      | 31.03.2003   | 18.551,94                                                                              |
| 5200003660      | 01.04.2003   | -18.551,94                                                                             |
| 5200004418      | 28.02.2015   | 18.484,81                                                                              |
| 5200004849      | 01.03.2015   | -18.484,81                                                                             |
| 5200026159      | 30.09.2015   | 18.482,78                                                                              |
| 5200026574      | 01.10.2015   | -18.482,78                                                                             |
| 5200017551      | 31.07.2012   | 18.479,49                                                                              |
| 5200017837      | 01.08.2012   | -18.479,49                                                                             |
| 5200003196      | 28.02.2002   | 18.454,11                                                                              |
| 5200003224      | 01.03.2002   | -18.454,11                                                                             |
| 5200006001      | 28.02.2017   | 18.351,98                                                                              |
| 5200006544      | 01.03.2017   | -18.351,98                                                                             |
| 5200040102      | 30.11.2017   | 18.326,83                                                                              |
| 5200040652      | 01.12.2017   | -18.326,83                                                                             |
| 5200016704      | 30.06.2016   | 18.322,35                                                                              |
| 5200017165      | 01.07.2016   | -18.322,35                                                                             |
| 5200002755      | 31.01.2017   | 18.285,83                                                                              |
| 5200003305      | 01.02.2017   | -18.285,83                                                                             |
| 5200003143      | 31.01.2013   | 18.272,85                                                                              |
| 5200003484      | 01.02.2013   | -18.272,85                                                                             |
| 5200006653      | 31.03.2012   | 18.227,16                                                                              |
| 5200006950      | 01.04.2012   | -18.227,16                                                                             |
| 5200020875      | 31.08.2014   | 18.175,55                                                                              |
| 5200021308      | 01.09.2014   | -18.175,55                                                                             |
| 5200020897      | 31.08.2014   | 18.113,40                                                                              |
| 5200021330      | 01.09.2014   | -18.113,40                                                                             |
| 5000002163      | 31.12.2017   | 18.110,40                                                                              |
| 5200011829      | 30.04.2015   | 18.103,52                                                                              |
| 5200012243      | 01.05.2015   | -18.103,52                                                                             |
| 5000002163      | 31.12.2017   | 18.098,81                                                                              |
| 5200018176      | 31.07.2014   | 18.031,96                                                                              |
| 5200018599      | 01.08.2014   | -18.031,96                                                                             |
| 5000002163      | 31.12.2017   | 18.027,60                                                                              |
| 5000002216      | 31.12.2017   | -18.027,60                                                                             |
| 5200009126      | 31.03.2017   | 17.965,21                                                                              |
| 5200013673      | 30.04.2017   | 17.965,21                                                                              |
| 5200017692      | 31.05.2017   | 17.965,21                                                                              |
| 5200009665      | 01.04.2017   | -17.965,21                                                                             |
| 5200014230      | 01.05.2017   | -17.965,21                                                                             |
| 5200018253      | 01.06.2017   | -17.965,21                                                                             |
| 5200013169      | 30.11.2003   | 17.945,16                                                                              |
| 5200013192      | 01.12.2003   | -17.945,16                                                                             |
| 5200035645      | 31.10.2017   | 17.937,37                                                                              |
| 5200036201      | 01.11.2017   | -17.937,37                                                                             |
| 5200014280      | 31.12.2003   | 17.903,94                                                                              |
| 5200000376      | 01.01.2004   | -17.903,94                                                                             |
| 5200017455      | 30.06.2015   | 17.897,54                                                                              |
| 5200017808      | 01.07.2015   | -17.897,54                                                                             |
| 5200004045      | 28.02.2014   | 17.880,41                                                                              |
| 5200004446      | 01.03.2014   | -17.880,41                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200014705      | 31.12.2002   | 17.848,32                                                                              |
| 5200000481      | 01.01.2003   | -17.848,32                                                                             |
| 5000002163      | 31.12.2017   | 17.708,88                                                                              |
| 5200017462      | 31.07.2012   | 17.678,39                                                                              |
| 5200017748      | 01.08.2012   | -17.678,39                                                                             |
| 5200004140      | 29.02.2012   | 17.657,63                                                                              |
| 5200004412      | 01.03.2012   | -17.657,63                                                                             |
| 5200012054      | 31.05.2012   | 17.604,21                                                                              |
| 5200012328      | 01.06.2012   | -17.604,21                                                                             |
| 5200026248      | 30.09.2015   | 17.567,78                                                                              |
| 5200026663      | 01.10.2015   | -17.567,78                                                                             |
| 5200020113      | 31.08.2012   | 17.560,70                                                                              |
| 5200020399      | 01.09.2012   | -17.560,70                                                                             |
| 5200004146      | 29.02.2012   | 17.509,58                                                                              |
| 5200004418      | 01.03.2012   | -17.509,58                                                                             |
| 5200007513      | 28.02.2013   | 17.489,97                                                                              |
| 5200007846      | 01.03.2013   | -17.489,97                                                                             |
| 5200007420      | 28.02.2013   | 17.489,68                                                                              |
| 5200007753      | 01.03.2013   | -17.489,68                                                                             |
| 5200031982      | 30.11.2015   | 17.421,81                                                                              |
| 5200032385      | 01.12.2015   | -17.421,81                                                                             |
| 5200020106      | 31.08.2012   | 17.402,69                                                                              |
| 5200020392      | 01.09.2012   | -17.402,69                                                                             |
| 5200007398      | 28.02.2013   | 17.337,56                                                                              |
| 5200007731      | 01.03.2013   | -17.337,56                                                                             |
| 5200014757      | 30.06.2012   | 17.325,52                                                                              |
| 5200015047      | 01.07.2012   | -17.325,52                                                                             |
| 5000002163      | 31.12.2017   | 17.259,64                                                                              |
| 5200001494      | 31.01.2016   | 17.251,46                                                                              |
| 5200001985      | 01.02.2016   | -17.251,46                                                                             |
| 5200028720      | 30.11.2012   | 17.172,29                                                                              |
| 5200029029      | 01.12.2012   | -17.172,29                                                                             |
| 5200020544      | 31.07.2016   | 17.129,73                                                                              |
| 5200021014      | 01.08.2016   | -17.129,73                                                                             |
| 5200035515      | 31.10.2017   | 17.121,93                                                                              |
| 5200036071      | 01.11.2017   | -17.121,93                                                                             |
| 5200018237      | 30.06.2013   | 17.112,79                                                                              |
| 5200018637      | 01.07.2013   | -17.112,79                                                                             |
| 5200014390      | 31.05.2016   | 17.099,26                                                                              |
| 5200014865      | 01.06.2016   | -17.099,26                                                                             |
| 5200010697      | 30.04.2016   | 17.064,02                                                                              |
| 5200011181      | 01.05.2016   | -17.064,02                                                                             |
| 5200012267      | 31.05.2014   | 17.059,21                                                                              |
| 5200012714      | 01.06.2014   | -17.059,21                                                                             |
| 5200007510      | 28.02.2013   | 17.029,14                                                                              |
| 5200007843      | 01.03.2013   | -17.029,14                                                                             |
| 5200001420      | 31.01.2002   | 17.012,55                                                                              |
| 5200001461      | 01.02.2002   | -17.012,55                                                                             |
| 5200004599      | 28.02.2015   | 16.999,78                                                                              |
| 5200005030      | 01.03.2015   | -16.999,78                                                                             |
| 5200028149      | 31.08.2017   | 16.991,93                                                                              |
| 5200028711      | 01.09.2017   | -16.991,93                                                                             |
| 5200023721      | 31.08.2013   | 16.953,52                                                                              |
| 5200024074      | 01.09.2013   | -16.953,52                                                                             |
| 5000002163      | 31.12.2017   | 16.922,54                                                                              |
| 5200011767      | 31.10.2003   | 16.912,31                                                                              |
| 5200011791      | 01.11.2003   | -16.912,31                                                                             |
| 5200025804      | 31.10.2012   | 16.865,89                                                                              |
| 5200026109      | 01.11.2012   | -16.865,89                                                                             |
| 5200000019      | 30.04.2001   | 16.852,77                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000046      | 01.05.2001   | -16.852,77                                                                             |
| 2708707         | 30.04.1995   | 16.779,11                                                                              |
| 2708729         | 04.05.1995   | -16.779,11                                                                             |
| 5200033848      | 31.12.2015   | 16.771,96                                                                              |
| 5200000562      | 01.01.2016   | -16.771,96                                                                             |
| 5200007663      | 31.03.2015   | 16.770,00                                                                              |
| 5200008067      | 01.04.2015   | -16.770,00                                                                             |
| 5200007363      | 28.02.2013   | 16.764,72                                                                              |
| 5200007696      | 01.03.2013   | -16.764,72                                                                             |
| 5200031224      | 31.12.2014   | 16.737,82                                                                              |
| 5200002205      | 31.01.2015   | 16.737,82                                                                              |
| 5200004496      | 28.02.2015   | 16.737,82                                                                              |
| 5200007732      | 31.03.2015   | 16.737,82                                                                              |
| 5200000551      | 01.01.2015   | -16.737,82                                                                             |
| 5200002629      | 01.02.2015   | -16.737,82                                                                             |
| 5200004927      | 01.03.2015   | -16.737,82                                                                             |
| 5200008136      | 01.04.2015   | -16.737,82                                                                             |
| 5200021037      | 31.08.2014   | 16.713,60                                                                              |
| 5200021470      | 01.09.2014   | -16.713,60                                                                             |
| 5200031970      | 30.09.2017   | 16.666,53                                                                              |
| 5200032528      | 01.10.2017   | -16.666,53                                                                             |
| 5200028131      | 31.08.2017   | 16.574,23                                                                              |
| 5200031823      | 30.09.2017   | 16.574,23                                                                              |
| 5200035496      | 31.10.2017   | 16.574,23                                                                              |
| 5200028693      | 01.09.2017   | -16.574,23                                                                             |
| 5200032381      | 01.10.2017   | -16.574,23                                                                             |
| 5200036052      | 01.11.2017   | -16.574,23                                                                             |
| 5200007649      | 31.03.2015   | 16.528,44                                                                              |
| 5200008053      | 01.04.2015   | -16.528,44                                                                             |
| 5200020227      | 31.07.2015   | 16.509,61                                                                              |
| 5200020595      | 01.08.2015   | -16.509,61                                                                             |
| 5200009574      | 30.04.2014   | 16.483,88                                                                              |
| 5200009996      | 01.05.2014   | -16.483,88                                                                             |
| 5200005430      | 29.02.2016   | 16.444,33                                                                              |
| 5200005950      | 01.03.2016   | -16.444,33                                                                             |
| 5200022915      | 31.08.2015   | 16.421,09                                                                              |
| 5200023295      | 01.09.2015   | -16.421,09                                                                             |
| 5200029065      | 31.10.2015   | 16.394,78                                                                              |
| 5200029473      | 01.11.2015   | -16.394,78                                                                             |
| 5200032003      | 30.11.2015   | 16.379,20                                                                              |
| 5200032406      | 01.12.2015   | -16.379,20                                                                             |
| 5200022992      | 31.08.2015   | 16.347,00                                                                              |
| 5200023372      | 01.09.2015   | -16.347,00                                                                             |
| 5200015656      | 31.05.2013   | 16.310,74                                                                              |
| 5200016016      | 01.06.2013   | -16.310,74                                                                             |
| 2714370         | 01.11.1995   | 16.260,42                                                                              |
| 2714348         | 03.11.1995   | -16.260,42                                                                             |
| 5200015505      | 31.05.2013   | 16.228,64                                                                              |
| 5200021111      | 31.07.2013   | 16.228,64                                                                              |
| 5200015865      | 01.06.2013   | -16.228,64                                                                             |
| 5200021468      | 01.08.2013   | -16.228,64                                                                             |
| 5200036284      | 30.11.2001   | 16.222,82                                                                              |
| 5200036310      | 01.12.2001   | -16.222,82                                                                             |
| 5200017530      | 30.06.2015   | 16.170,47                                                                              |
| 5200017883      | 01.07.2015   | -16.170,47                                                                             |
| 5200013717      | 30.04.2017   | 16.164,85                                                                              |
| 5200014274      | 01.05.2017   | -16.164,85                                                                             |
| 5000002163      | 31.12.2017   | 16.120,76                                                                              |
| 5200001607      | 31.01.2016   | 16.110,96                                                                              |
| 5200002098      | 01.02.2016   | -16.110,96                                                                             |

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| 5200008508      | 31.03.2016   | 16.110,83                                                                              |
| 5200010820      | 30.04.2016   | 16.110,83                                                                              |
| 5200008997      | 01.04.2016   | -16.110,83                                                                             |
| 5200011304      | 01.05.2016   | -16.110,83                                                                             |
| 5200026519      | 30.09.2016   | 16.010,06                                                                              |
| 5200026975      | 01.10.2016   | -16.010,06                                                                             |
| 5200020191      | 31.08.2012   | 15.984,56                                                                              |
| 5200020477      | 01.09.2012   | -15.984,56                                                                             |
| 5200040252      | 30.11.2017   | 15.921,52                                                                              |
| 5200040802      | 01.12.2017   | -15.921,52                                                                             |
| 5200023013      | 31.08.2015   | 15.915,14                                                                              |
| 5200023393      | 01.09.2015   | -15.915,14                                                                             |
| 5200012929      | 30.04.2013   | 15.890,63                                                                              |
| 5200013280      | 01.05.2013   | -15.890,63                                                                             |
| 2716266         | 31.12.1995   | 15.811,37                                                                              |
| 2715915         | 31.12.1995   | 15.811,37                                                                              |
| 2716466         | 06.01.1996   | 15.811,37                                                                              |
| 2716458         | 31.12.1995   | -15.811,37                                                                             |
| 2715923         | 06.01.1996   | -15.811,37                                                                             |
| 2716274         | 06.01.1996   | -15.811,37                                                                             |
| 5200030977      | 31.12.2012   | 15.757,73                                                                              |
| 5200000594      | 01.01.2013   | -15.757,73                                                                             |
| 5200025787      | 31.10.2012   | 15.751,94                                                                              |
| 5200026092      | 01.11.2012   | -15.751,94                                                                             |
| 5200020126      | 31.12.2011   | 15.751,19                                                                              |
| 5200000599      | 01.01.2012   | -15.751,19                                                                             |
| 5200004044      | 29.02.2012   | 15.650,00                                                                              |
| 5200004316      | 01.03.2012   | -15.650,00                                                                             |
| 5200010693      | 30.04.2016   | 15.621,92                                                                              |
| 5200011177      | 01.05.2016   | -15.621,92                                                                             |
| 5200020380      | 31.07.2016   | 15.599,56                                                                              |
| 5200020850      | 01.08.2016   | -15.599,56                                                                             |
| 5200026540      | 30.09.2016   | 15.592,91                                                                              |
| 5200026996      | 01.10.2016   | -15.592,91                                                                             |
| 5200010217      | 31.03.2013   | 15.588,42                                                                              |
| 5200010560      | 01.04.2013   | -15.588,42                                                                             |
| 5200011999      | 30.04.2015   | 15.541,06                                                                              |
| 5200012413      | 01.05.2015   | -15.541,06                                                                             |
| 5200010700      | 30.04.2016   | 15.473,65                                                                              |
| 5200011184      | 01.05.2016   | -15.473,65                                                                             |
| 5200003039      | 31.01.2013   | 15.403,62                                                                              |
| 5200003381      | 01.02.2013   | -15.403,62                                                                             |
| 2714374         | 01.11.1995   | 15.380,33                                                                              |
| 2714352         | 03.11.1995   | -15.380,33                                                                             |
| 5200009109      | 31.03.2017   | 15.334,33                                                                              |
| 5200009648      | 01.04.2017   | -15.334,33                                                                             |
| 5200020248      | 31.07.2015   | 15.268,79                                                                              |
| 5200020616      | 01.08.2015   | -15.268,79                                                                             |
| 5200042684      | 31.12.2017   | 15.245,78                                                                              |
| 5200018146      | 31.07.2014   | 15.222,87                                                                              |
| 5200018569      | 01.08.2014   | -15.222,87                                                                             |
| 5200010216      | 31.03.2013   | 15.200,57                                                                              |
| 5200010559      | 01.04.2013   | -15.200,57                                                                             |
| 5200006814      | 31.03.2014   | 15.155,30                                                                              |
| 5200007220      | 01.04.2014   | -15.155,30                                                                             |
| 5200017548      | 30.06.2015   | 15.040,34                                                                              |
| 5200017901      | 01.07.2015   | -15.040,34                                                                             |
| 5200009026      | 30.04.2012   | 15.021,44                                                                              |
| 5200009304      | 01.05.2012   | -15.021,44                                                                             |
| 5200009110      | 31.03.2017   | 14.941,93                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200042436      | 31.12.2017   | 14.941,93                                                                              |
| 5200009649      | 01.04.2017   | -14.941,93                                                                             |
| 5000002163      | 31.12.2017   | 14.940,00                                                                              |
| 5200002254      | 31.01.2012   | 14.905,42                                                                              |
| 5200002497      | 01.02.2012   | -14.905,42                                                                             |
| 5200028933      | 30.11.2014   | 14.882,72                                                                              |
| 5200029297      | 01.12.2014   | -14.882,72                                                                             |
| 5000002163      | 31.12.2017   | 14.857,83                                                                              |
| 5200029567      | 31.10.2016   | 14.797,82                                                                              |
| 5200030018      | 01.11.2016   | -14.797,82                                                                             |
| 5200020129      | 31.12.2011   | 14.746,02                                                                              |
| 5200000602      | 01.01.2012   | -14.746,02                                                                             |
| 5200015205      | 30.06.2014   | 14.737,61                                                                              |
| 5200015635      | 01.07.2014   | -14.737,61                                                                             |
| 2708697         | 30.04.1995   | 14.680,79                                                                              |
| 2708719         | 04.05.1995   | -14.680,79                                                                             |
| 5200029048      | 31.10.2015   | 14.612,96                                                                              |
| 5200029456      | 01.11.2015   | -14.612,96                                                                             |
| 2712479         | 31.08.1995   | 14.595,81                                                                              |
| 2712503         | 04.09.1995   | -14.595,81                                                                             |
| 5200001477      | 31.01.2016   | 14.453,82                                                                              |
| 5200001968      | 01.02.2016   | -14.453,82                                                                             |
| 5200014727      | 31.05.2015   | 14.431,68                                                                              |
| 5200015118      | 01.06.2015   | -14.431,68                                                                             |
| 5200035516      | 31.10.2017   | 14.401,50                                                                              |
| 5200036072      | 01.11.2017   | -14.401,50                                                                             |
| 5200002121      | 31.01.2015   | 14.394,42                                                                              |
| 5200002545      | 01.02.2015   | -14.394,42                                                                             |
| 5200031981      | 30.11.2015   | 14.350,75                                                                              |
| 5200032384      | 01.12.2015   | -14.350,75                                                                             |
| 5200011978      | 31.05.2012   | 14.346,61                                                                              |
| 5200012252      | 01.06.2012   | -14.346,61                                                                             |
| 5200026223      | 30.09.2015   | 14.317,35                                                                              |
| 5200026638      | 01.10.2015   | -14.317,35                                                                             |
| 5200004412      | 28.02.2015   | 14.314,32                                                                              |
| 5200004843      | 01.03.2015   | -14.314,32                                                                             |
| 5200033826      | 31.12.2015   | 14.303,48                                                                              |
| 5200001571      | 31.01.2016   | 14.303,48                                                                              |
| 5200000540      | 01.01.2016   | -14.303,48                                                                             |
| 5200002062      | 01.02.2016   | -14.303,48                                                                             |
| 5200001501      | 31.01.2016   | 14.300,00                                                                              |
| 5200001992      | 01.02.2016   | -14.300,00                                                                             |
| 5200005392      | 29.02.2016   | 14.279,84                                                                              |
| 5200008473      | 31.03.2016   | 14.279,84                                                                              |
| 5200010786      | 30.04.2016   | 14.279,84                                                                              |
| 5200005912      | 01.03.2016   | -14.279,84                                                                             |
| 5200008962      | 01.04.2016   | -14.279,84                                                                             |
| 5200011270      | 01.05.2016   | -14.279,84                                                                             |
| 5200014462      | 31.05.2016   | 14.266,81                                                                              |
| 5200016731      | 30.06.2016   | 14.266,81                                                                              |
| 5200020468      | 31.07.2016   | 14.266,81                                                                              |
| 5200023427      | 31.08.2016   | 14.266,81                                                                              |
| 5200026603      | 30.09.2016   | 14.266,81                                                                              |
| 5200029650      | 31.10.2016   | 14.266,81                                                                              |
| 5200014937      | 01.06.2016   | -14.266,81                                                                             |
| 5200017192      | 01.07.2016   | -14.266,81                                                                             |
| 5200020938      | 01.08.2016   | -14.266,81                                                                             |
| 5200023890      | 01.09.2016   | -14.266,81                                                                             |
| 5200027059      | 01.10.2016   | -14.266,81                                                                             |
| 5200030101      | 01.11.2016   | -14.266,81                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001736      | 31.05.2001   | 14.259,79                                                                              |
| 5200001763      | 01.06.2001   | -14.259,79                                                                             |
| 5200007662      | 31.03.2015   | 14.227,77                                                                              |
| 5200008066      | 01.04.2015   | -14.227,77                                                                             |
| 5200028809      | 30.11.2014   | 14.227,13                                                                              |
| 5200029173      | 01.12.2014   | -14.227,13                                                                             |
| 5200031075      | 31.12.2012   | 14.218,15                                                                              |
| 5200000692      | 01.01.2013   | -14.218,15                                                                             |
| 5200003162      | 30.06.2001   | 14.194,13                                                                              |
| 5200004256      | 31.07.2001   | 14.194,13                                                                              |
| 5200003200      | 01.07.2001   | -14.194,13                                                                             |
| 5200004283      | 01.08.2001   | -14.194,13                                                                             |
| 5200000008      | 30.04.2001   | 14.193,30                                                                              |
| 5200000035      | 01.05.2001   | -14.193,30                                                                             |
| 5200001658      | 31.01.2016   | 14.175,79                                                                              |
| 5200002149      | 01.02.2016   | -14.175,79                                                                             |
| 5200033770      | 31.12.2015   | 14.161,58                                                                              |
| 5200000484      | 01.01.2016   | -14.161,58                                                                             |
| 5200020103      | 31.08.2012   | 14.122,35                                                                              |
| 5200020389      | 01.09.2012   | -14.122,35                                                                             |
| 5200001472      | 31.01.2016   | 14.089,74                                                                              |
| 5200001963      | 01.02.2016   | -14.089,74                                                                             |
| 5200026576      | 30.09.2016   | 14.049,91                                                                              |
| 5200027032      | 01.10.2016   | -14.049,91                                                                             |
| 5200004500      | 31.03.2002   | 14.004,59                                                                              |
| 5200004521      | 01.04.2002   | -14.004,59                                                                             |
| 5200010720      | 30.04.2016   | 13.949,83                                                                              |
| 5200011204      | 01.05.2016   | -13.949,83                                                                             |
| 5200031918      | 30.11.2015   | 13.947,87                                                                              |
| 5200032321      | 01.12.2015   | -13.947,87                                                                             |
| 5200023548      | 30.09.2014   | 13.937,50                                                                              |
| 5200023873      | 01.10.2014   | -13.937,50                                                                             |
| 5200010371      | 31.03.2013   | 13.935,40                                                                              |
| 5200010714      | 01.04.2013   | -13.935,40                                                                             |
| 5200028718      | 30.11.2012   | 13.899,25                                                                              |
| 5200029027      | 01.12.2012   | -13.899,25                                                                             |
| 5200014396      | 31.05.2016   | 13.878,35                                                                              |
| 5200014871      | 01.06.2016   | -13.878,35                                                                             |
| 5200001478      | 31.01.2016   | 13.878,19                                                                              |
| 5200001969      | 01.02.2016   | -13.878,19                                                                             |
| 5200034553      | 31.12.2016   | 13.853,99                                                                              |
| 5200000649      | 01.01.2017   | -13.853,99                                                                             |
| 5200028972      | 30.11.2014   | 13.852,90                                                                              |
| 5200029336      | 01.12.2014   | -13.852,90                                                                             |
| 5200031084      | 31.12.2012   | 13.833,68                                                                              |
| 5200003139      | 31.01.2013   | 13.833,68                                                                              |
| 5200000701      | 01.01.2013   | -13.833,68                                                                             |
| 5200003480      | 01.02.2013   | -13.833,68                                                                             |
| 5000002216      | 31.12.2017   | -13.826,97                                                                             |
| 5200010717      | 30.04.2016   | 13.816,42                                                                              |
| 5200011201      | 01.05.2016   | -13.816,42                                                                             |
| 5200030967      | 31.12.2012   | 13.802,65                                                                              |
| 5200000584      | 01.01.2013   | -13.802,65                                                                             |
| 5200002115      | 31.01.2015   | 13.786,60                                                                              |
| 5200002539      | 01.02.2015   | -13.786,60                                                                             |
| 5200011835      | 30.04.2015   | 13.733,00                                                                              |
| 5200012249      | 01.05.2015   | -13.733,00                                                                             |
| 5200028981      | 31.10.2015   | 13.701,58                                                                              |
| 5200029389      | 01.11.2015   | -13.701,58                                                                             |
| 2709660         | 31.05.1995   | 13.694,97                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2709682         | 06.06.1995   | -13.694,97                                                                             |
| 5200017733      | 31.05.2017   | 13.681,38                                                                              |
| 5200018294      | 01.06.2017   | -13.681,38                                                                             |
| 5200004409      | 28.02.2015   | 13.663,98                                                                              |
| 5200004840      | 01.03.2015   | -13.663,98                                                                             |
| 5200021447      | 30.06.2017   | 13.642,15                                                                              |
| 5200022005      | 01.07.2017   | -13.642,15                                                                             |
| 5200042705      | 31.12.2017   | 13.637,36                                                                              |
| 5200009233      | 31.03.2017   | 13.580,53                                                                              |
| 5200009772      | 01.04.2017   | -13.580,53                                                                             |
| 5200029085      | 31.10.2015   | 13.546,42                                                                              |
| 5200029493      | 01.11.2015   | -13.546,42                                                                             |
| 5200013178      | 30.11.2003   | 13.475,93                                                                              |
| 5200013201      | 01.12.2003   | -13.475,93                                                                             |
| 5200036278      | 30.11.2001   | 13.468,02                                                                              |
| 5200036304      | 01.12.2001   | -13.468,02                                                                             |
| 5200021187      | 31.07.2013   | 13.422,09                                                                              |
| 5200021544      | 01.08.2013   | -13.422,09                                                                             |
| 5200023541      | 30.09.2014   | 13.416,65                                                                              |
| 5200023866      | 01.10.2014   | -13.416,65                                                                             |
| 5200011775      | 31.10.2003   | 13.387,70                                                                              |
| 5200011799      | 01.11.2003   | -13.387,70                                                                             |
| 5200022222      | 30.09.2012   | 13.354,24                                                                              |
| 5200022516      | 01.10.2012   | -13.354,24                                                                             |
| 5200026269      | 30.09.2015   | 13.343,54                                                                              |
| 5200026684      | 01.10.2015   | -13.343,54                                                                             |
| 5200034520      | 31.12.2016   | 13.276,30                                                                              |
| 5200002716      | 31.01.2017   | 13.276,30                                                                              |
| 5200005960      | 28.02.2017   | 13.276,30                                                                              |
| 5200009129      | 31.03.2017   | 13.276,30                                                                              |
| 5200013676      | 30.04.2017   | 13.276,30                                                                              |
| 5200017695      | 31.05.2017   | 13.276,30                                                                              |
| 5200021407      | 30.06.2017   | 13.276,30                                                                              |
| 5200024427      | 31.07.2017   | 13.276,30                                                                              |
| 5200028169      | 31.08.2017   | 13.276,30                                                                              |
| 5200031861      | 30.09.2017   | 13.276,30                                                                              |
| 5200035535      | 31.10.2017   | 13.276,30                                                                              |
| 5200040140      | 30.11.2017   | 13.276,30                                                                              |
| 5200042455      | 31.12.2017   | 13.276,30                                                                              |
| 5200000616      | 01.01.2017   | -13.276,30                                                                             |
| 5200003266      | 01.02.2017   | -13.276,30                                                                             |
| 5200006503      | 01.03.2017   | -13.276,30                                                                             |
| 5200009668      | 01.04.2017   | -13.276,30                                                                             |
| 5200014233      | 01.05.2017   | -13.276,30                                                                             |
| 5200018256      | 01.06.2017   | -13.276,30                                                                             |
| 5200021965      | 01.07.2017   | -13.276,30                                                                             |
| 5200024976      | 01.08.2017   | -13.276,30                                                                             |
| 5200028731      | 01.09.2017   | -13.276,30                                                                             |
| 5200032419      | 01.10.2017   | -13.276,30                                                                             |
| 5200036091      | 01.11.2017   | -13.276,30                                                                             |
| 5200040690      | 01.12.2017   | -13.276,30                                                                             |
| 5200004407      | 28.02.2015   | 13.258,52                                                                              |
| 5200004838      | 01.03.2015   | -13.258,52                                                                             |
| 5200007400      | 28.02.2013   | 13.257,08                                                                              |
| 5200007733      | 01.03.2013   | -13.257,08                                                                             |
| 5200003011      | 31.01.2013   | 13.232,74                                                                              |
| 5200003353      | 01.02.2013   | -13.232,74                                                                             |
| 5200008376      | 31.03.2016   | 13.218,16                                                                              |
| 5200008865      | 01.04.2016   | -13.218,16                                                                             |
| 5200033869      | 31.12.2015   | 13.210,41                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200000583      | 01.01.2016   | -13.210,41                                                                             |
| 5000002163      | 31.12.2017   | 13.202,98                                                                              |
| 5000002216      | 31.12.2017   | -13.202,98                                                                             |
| 5000002163      | 31.12.2017   | 13.197,00                                                                              |
| 5200023680      | 30.09.2014   | 13.046,37                                                                              |
| 5200024005      | 01.10.2014   | -13.046,37                                                                             |
| 5200012063      | 31.05.2012   | 13.030,31                                                                              |
| 5200012337      | 01.06.2012   | -13.030,31                                                                             |
| 5200014113      | 30.11.2002   | 13.007,26                                                                              |
| 5200014136      | 01.12.2002   | -13.007,26                                                                             |
| 5000002157      | 31.12.2017   | 13.000,00                                                                              |
| 5000002157      | 31.12.2017   | 13.000,00                                                                              |
| 2708702         | 30.04.1995   | 12.987,76                                                                              |
| 2708724         | 04.05.1995   | -12.987,76                                                                             |
| 5200033799      | 31.12.2013   | 12.986,62                                                                              |
| 5200000493      | 01.01.2014   | -12.986,62                                                                             |
| 5000002163      | 31.12.2017   | 12.978,88                                                                              |
| 5200005284      | 29.02.2016   | 12.964,16                                                                              |
| 5200005804      | 01.03.2016   | -12.964,16                                                                             |
| 5200001576      | 31.01.2016   | 12.945,62                                                                              |
| 5200002067      | 01.02.2016   | -12.945,62                                                                             |
| 5000002163      | 31.12.2017   | 12.882,76                                                                              |
| 5200013187      | 30.11.2003   | 12.845,63                                                                              |
| 5200013210      | 01.12.2003   | -12.845,63                                                                             |
| 2534017         | 30.09.1998   | 12.820,02                                                                              |
| 2534018         | 07.10.1998   | -12.820,02                                                                             |
| 5200020381      | 31.07.2016   | 12.762,51                                                                              |
| 5200020851      | 01.08.2016   | -12.762,51                                                                             |
| 5200028616      | 30.11.2012   | 12.720,48                                                                              |
| 5200028925      | 01.12.2012   | -12.720,48                                                                             |
| 5200025809      | 31.10.2012   | 12.714,83                                                                              |
| 5200026114      | 01.11.2012   | -12.714,83                                                                             |
| 5200022141      | 30.09.2012   | 12.656,77                                                                              |
| 5200022435      | 01.10.2012   | -12.656,77                                                                             |
| 5200014710      | 30.06.2012   | 12.619,03                                                                              |
| 5200015000      | 01.07.2012   | -12.619,03                                                                             |
| 5200032025      | 30.11.2015   | 12.603,65                                                                              |
| 5200032428      | 01.12.2015   | -12.603,65                                                                             |
| 5000002163      | 31.12.2017   | 12.549,60                                                                              |
| 5000002163      | 31.12.2017   | 12.549,60                                                                              |
| 5200009167      | 31.03.2017   | 12.547,86                                                                              |
| 5200009706      | 01.04.2017   | -12.547,86                                                                             |
| 5200003008      | 31.01.2013   | 12.546,45                                                                              |
| 5200003350      | 01.02.2013   | -12.546,45                                                                             |
| 5200000010      | 30.04.2001   | 12.533,99                                                                              |
| 5200000037      | 01.05.2001   | -12.533,99                                                                             |
| 5200009343      | 31.07.2002   | 12.516,51                                                                              |
| 5200009367      | 01.08.2002   | -12.516,51                                                                             |
| 5200001634      | 31.01.2016   | 12.508,08                                                                              |
| 5200005456      | 29.02.2016   | 12.508,08                                                                              |
| 5200008529      | 31.03.2016   | 12.508,08                                                                              |
| 5200010842      | 30.04.2016   | 12.508,08                                                                              |
| 5200002125      | 01.02.2016   | -12.508,08                                                                             |
| 5200005976      | 01.03.2016   | -12.508,08                                                                             |
| 5200009018      | 01.04.2016   | -12.508,08                                                                             |
| 5200011326      | 01.05.2016   | -12.508,08                                                                             |
| 2713396         | 30.09.1995   | 12.506,14                                                                              |
| 2713422         | 05.10.1995   | -12.506,14                                                                             |
| 5200007606      | 30.06.2002   | 12.451,19                                                                              |
| 5200007629      | 01.07.2002   | -12.451,19                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002163      | 31.12.2017   | 12.450,00                                                                              |
| 5200040181      | 30.11.2017   | 12.436,67                                                                              |
| 5200040731      | 01.12.2017   | -12.436,67                                                                             |
| 5200000027      | 30.04.2001   | 12.434,92                                                                              |
| 5200000054      | 01.05.2001   | -12.434,92                                                                             |
| 5200017535      | 31.07.2012   | 12.432,21                                                                              |
| 5200017821      | 01.08.2012   | -12.432,21                                                                             |
| 5200023649      | 30.09.2014   | 12.400,59                                                                              |
| 5200023974      | 01.10.2014   | -12.400,59                                                                             |
| 5200017554      | 30.06.2015   | 12.395,45                                                                              |
| 5200017907      | 01.07.2015   | -12.395,45                                                                             |
| 5200013021      | 30.04.2013   | 12.390,90                                                                              |
| 5200013372      | 01.05.2013   | -12.390,90                                                                             |
| 5200012910      | 30.04.2013   | 12.338,77                                                                              |
| 5200013261      | 01.05.2013   | -12.338,77                                                                             |
| 5200004420      | 28.02.2015   | 12.308,80                                                                              |
| 5200004851      | 01.03.2015   | -12.308,80                                                                             |
| 2711534         | 31.07.1995   | 12.307,50                                                                              |
| 2711559         | 03.08.1995   | -12.307,50                                                                             |
| 5200022123      | 30.09.2012   | 12.293,51                                                                              |
| 5200022417      | 01.10.2012   | -12.293,51                                                                             |
| 5200042564      | 31.12.2017   | 12.219,63                                                                              |
| 5200001415      | 31.01.2002   | 12.206,56                                                                              |
| 5200001454      | 01.02.2002   | -12.206,56                                                                             |
| 5200020130      | 31.08.2012   | 12.186,34                                                                              |
| 5200020416      | 01.09.2012   | -12.186,34                                                                             |
| 5000001476      | 30.11.2016   | 12.180,00                                                                              |
| 2708006         | 31.03.1995   | 12.175,70                                                                              |
| 2707931         | 07.04.1995   | -12.175,70                                                                             |
| 5200020131      | 31.12.2011   | 12.129,13                                                                              |
| 5200000604      | 01.01.2012   | -12.129,13                                                                             |
| 5200031690      | 30.11.2013   | 12.119,60                                                                              |
| 5200032046      | 01.12.2013   | -12.119,60                                                                             |
| 2713391         | 30.09.1995   | 12.011,30                                                                              |
| 2713417         | 05.10.1995   | -12.011,30                                                                             |
| 2708699         | 30.04.1995   | 12.007,41                                                                              |
| 2708721         | 04.05.1995   | -12.007,41                                                                             |
| 5200033771      | 31.12.2015   | 11.953,87                                                                              |
| 5200000485      | 01.01.2016   | -11.953,87                                                                             |
| 5200004048      | 28.02.2014   | 11.934,06                                                                              |
| 5200004449      | 01.03.2014   | -11.934,06                                                                             |
| 5200001653      | 31.01.2016   | 11.901,64                                                                              |
| 5200002144      | 01.02.2016   | -11.901,64                                                                             |
| 5200033800      | 31.12.2013   | 11.854,60                                                                              |
| 5200000494      | 01.01.2014   | -11.854,60                                                                             |
| 5200011957      | 30.04.2015   | 11.814,46                                                                              |
| 5200012371      | 01.05.2015   | -11.814,46                                                                             |
| 5200002784      | 31.01.2017   | 11.797,07                                                                              |
| 5200003334      | 01.02.2017   | -11.797,07                                                                             |
| 5200014842      | 31.05.2015   | 11.793,17                                                                              |
| 5200015233      | 01.06.2015   | -11.793,17                                                                             |
| 5200033765      | 31.12.2015   | 11.775,52                                                                              |
| 5200000479      | 01.01.2016   | -11.775,52                                                                             |
| 5200007619      | 30.06.2002   | 11.765,71                                                                              |
| 5200007642      | 01.07.2002   | -11.765,71                                                                             |
| 5200023453      | 31.08.2016   | 11.764,32                                                                              |
| 5200023916      | 01.09.2016   | -11.764,32                                                                             |
| 5200013229      | 01.05.2013   | 11.750,19                                                                              |
| 5200013087      | 30.04.2013   | -11.750,19                                                                             |
| 5000002163      | 31.12.2017   | 11.703,00                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002163      | 31.12.2017   | 11.703,00                                                                              |
| 5200007764      | 31.03.2015   | 11.675,89                                                                              |
| 5200008168      | 01.04.2015   | -11.675,89                                                                             |
| 5200020876      | 31.08.2014   | 11.661,57                                                                              |
| 5200021309      | 01.09.2014   | -11.661,57                                                                             |
| 5200015323      | 30.06.2014   | 11.632,69                                                                              |
| 5200015753      | 01.07.2014   | -11.632,69                                                                             |
| 5200006807      | 31.03.2014   | 11.558,18                                                                              |
| 5200007213      | 01.04.2014   | -11.558,18                                                                             |
| 5200001423      | 31.01.2002   | 11.547,47                                                                              |
| 5200001464      | 01.02.2002   | -11.547,47                                                                             |
| 5200007439      | 28.02.2013   | 11.535,29                                                                              |
| 5200007772      | 01.03.2013   | -11.535,29                                                                             |
| 5200024467      | 31.07.2017   | 11.534,25                                                                              |
| 5200025016      | 01.08.2017   | -11.534,25                                                                             |
| 5200002997      | 31.01.2013   | 11.533,75                                                                              |
| 5200003339      | 01.02.2013   | -11.533,75                                                                             |
| 2714369         | 01.11.1995   | 11.528,81                                                                              |
| 2714347         | 03.11.1995   | -11.528,81                                                                             |
| 2706965         | 28.02.1995   | 11.485,01                                                                              |
| 2706986         | 07.03.1995   | -11.485,01                                                                             |
| 2710558         | 30.06.1995   | 11.459,67                                                                              |
| 2710580         | 05.07.1995   | -11.459,67                                                                             |
| 5000002163      | 31.12.2017   | 11.459,48                                                                              |
| 5000002216      | 31.12.2017   | -11.459,48                                                                             |
| 5200030974      | 31.12.2012   | 11.447,42                                                                              |
| 5200000591      | 01.01.2013   | -11.447,42                                                                             |
| 5200006641      | 31.03.2012   | 11.428,72                                                                              |
| 5200006938      | 01.04.2012   | -11.428,72                                                                             |
| 5200008995      | 30.04.2012   | 11.424,50                                                                              |
| 5200009273      | 01.05.2012   | -11.424,50                                                                             |
| 5200002113      | 31.01.2015   | 11.367,44                                                                              |
| 5200002537      | 01.02.2015   | -11.367,44                                                                             |
| 2760765         | 31.10.1998   | 11.365,92                                                                              |
| 2760772         | 04.11.1998   | -11.365,92                                                                             |
| 5200026315      | 31.10.2014   | 11.364,72                                                                              |
| 5200026668      | 01.11.2014   | -11.364,72                                                                             |
| 5200033818      | 31.12.2015   | 11.362,26                                                                              |
| 5200000532      | 01.01.2016   | -11.362,26                                                                             |
| 5200028596      | 30.11.2012   | 11.338,66                                                                              |
| 5200028905      | 01.12.2012   | -11.338,66                                                                             |
| 5200028815      | 30.11.2014   | 11.304,36                                                                              |
| 5200029179      | 01.12.2014   | -11.304,36                                                                             |
| 5200028876      | 30.11.2014   | 11.299,92                                                                              |
| 5200029240      | 01.12.2014   | -11.299,92                                                                             |
| 5000002163      | 31.12.2017   | 11.294,64                                                                              |
| 5000002163      | 31.12.2017   | 11.262,46                                                                              |
| 5000002216      | 31.12.2017   | -11.262,46                                                                             |
| 5200009098      | 31.03.2017   | 11.239,39                                                                              |
| 5200009637      | 01.04.2017   | -11.239,39                                                                             |
| 5200021404      | 30.06.2017   | 11.227,82                                                                              |
| 5200024424      | 31.07.2017   | 11.227,82                                                                              |
| 5200028166      | 31.08.2017   | 11.227,82                                                                              |
| 5200031858      | 30.09.2017   | 11.227,82                                                                              |
| 5200035532      | 31.10.2017   | 11.227,82                                                                              |
| 5200040137      | 30.11.2017   | 11.227,82                                                                              |
| 5200042452      | 31.12.2017   | 11.227,82                                                                              |
| 5200021962      | 01.07.2017   | -11.227,82                                                                             |
| 5200024973      | 01.08.2017   | -11.227,82                                                                             |
| 5200028728      | 01.09.2017   | -11.227,82                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200032416      | 01.10.2017   | -11.227,82                                                                             |
| 5200036088      | 01.11.2017   | -11.227,82                                                                             |
| 5200040687      | 01.12.2017   | -11.227,82                                                                             |
| 5200029115      | 31.10.2013   | 11.133,18                                                                              |
| 5200029457      | 01.11.2013   | -11.133,18                                                                             |
| 5000002163      | 31.12.2017   | 11.121,34                                                                              |
| 5200028208      | 31.08.2017   | 11.095,20                                                                              |
| 5200028770      | 01.09.2017   | -11.095,20                                                                             |
| 2707997         | 31.03.1995   | 11.029,23                                                                              |
| 2707922         | 07.04.1995   | -11.029,23                                                                             |
| 5200001657      | 31.01.2016   | 11.027,08                                                                              |
| 5200002148      | 01.02.2016   | -11.027,08                                                                             |
| 5200017547      | 31.07.2012   | 11.020,86                                                                              |
| 5200017833      | 01.08.2012   | -11.020,86                                                                             |
| 5200003189      | 28.02.2002   | 11.011,24                                                                              |
| 5200003217      | 01.03.2002   | -11.011,24                                                                             |
| 5200025794      | 31.10.2012   | 10.997,56                                                                              |
| 5200028601      | 30.11.2012   | 10.997,56                                                                              |
| 5200030979      | 31.12.2012   | 10.997,56                                                                              |
| 5200026099      | 01.11.2012   | -10.997,56                                                                             |
| 5200028910      | 01.12.2012   | -10.997,56                                                                             |
| 5200000596      | 01.01.2013   | -10.997,56                                                                             |
| 5200020883      | 31.08.2014   | 10.978,64                                                                              |
| 5200021316      | 01.09.2014   | -10.978,64                                                                             |
| 5200013780      | 30.04.2017   | 10.970,52                                                                              |
| 5200014337      | 01.05.2017   | -10.970,52                                                                             |
| 5200001414      | 31.01.2002   | 10.918,53                                                                              |
| 5200001449      | 01.02.2002   | -10.918,53                                                                             |
| 2708695         | 30.04.1995   | 10.894,67                                                                              |
| 2708717         | 04.05.1995   | -10.894,67                                                                             |
| 5200025830      | 31.10.2012   | 10.875,45                                                                              |
| 5200026135      | 01.11.2012   | -10.875,45                                                                             |
| 5200028877      | 30.11.2014   | 10.873,65                                                                              |
| 5200029241      | 01.12.2014   | -10.873,65                                                                             |
| 5200031154      | 31.12.2014   | 10.850,00                                                                              |
| 5200000481      | 01.01.2015   | -10.850,00                                                                             |
| 5200000622      | 01.01.2015   | -10.771,32                                                                             |
| 5200002713      | 31.01.2017   | 10.676,69                                                                              |
| 5200003263      | 01.02.2017   | -10.676,69                                                                             |
| 5200015238      | 30.06.2014   | 10.656,32                                                                              |
| 5200015668      | 01.07.2014   | -10.656,32                                                                             |
| 5200007661      | 31.03.2015   | 10.633,58                                                                              |
| 5200008065      | 01.04.2015   | -10.633,58                                                                             |
| 5200032606      | 30.11.2016   | 10.633,08                                                                              |
| 5200033073      | 01.12.2016   | -10.633,08                                                                             |
| 5200017451      | 30.06.2015   | 10.626,62                                                                              |
| 5200017804      | 01.07.2015   | -10.626,62                                                                             |
| 5200009604      | 30.04.2014   | 10.611,98                                                                              |
| 5200012299      | 31.05.2014   | 10.611,98                                                                              |
| 5200010026      | 01.05.2014   | -10.611,98                                                                             |
| 5200012746      | 01.06.2014   | -10.611,98                                                                             |
| 5200007800      | 31.07.2003   | 10.601,30                                                                              |
| 5200007828      | 01.08.2003   | -10.601,30                                                                             |
| 5200011770      | 31.10.2003   | 10.587,70                                                                              |
| 5200011794      | 01.11.2003   | -10.587,70                                                                             |
| 5200007801      | 31.03.2015   | 10.534,83                                                                              |
| 5200008205      | 01.04.2015   | -10.534,83                                                                             |
| 5200008374      | 31.03.2016   | 10.476,68                                                                              |
| 5200008863      | 01.04.2016   | -10.476,68                                                                             |
| 5000002164      | 31.12.2017   | 10.458,00                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020234      | 31.07.2015   | 10.449,90                                                                              |
| 5200020602      | 01.08.2015   | -10.449,90                                                                             |
| 5200020153      | 31.07.2015   | 10.442,49                                                                              |
| 5200020521      | 01.08.2015   | -10.442,49                                                                             |
| 5200042689      | 31.12.2017   | 10.433,84                                                                              |
| 5000002163      | 31.12.2017   | 10.417,66                                                                              |
| 5000002163      | 31.12.2017   | 10.415,99                                                                              |
| 5200026543      | 30.09.2016   | 10.403,19                                                                              |
| 5200026999      | 01.10.2016   | -10.403,19                                                                             |
| 5200004092      | 29.02.2012   | 10.366,13                                                                              |
| 5200004364      | 01.03.2012   | -10.366,13                                                                             |
| 5200022916      | 31.08.2015   | 10.316,42                                                                              |
| 5200023296      | 01.09.2015   | -10.316,42                                                                             |
| 5200029590      | 31.10.2016   | 10.284,30                                                                              |
| 5200032572      | 30.11.2016   | 10.284,30                                                                              |
| 5200030041      | 01.11.2016   | -10.284,30                                                                             |
| 5200033039      | 01.12.2016   | -10.284,30                                                                             |
| 5200007815      | 31.07.2003   | 10.267,75                                                                              |
| 5200007843      | 01.08.2003   | -10.267,75                                                                             |
| 5200031901      | 30.09.2017   | 10.258,75                                                                              |
| 5200032459      | 01.10.2017   | -10.258,75                                                                             |
| 5200029587      | 31.10.2016   | 10.244,47                                                                              |
| 5200030038      | 01.11.2016   | -10.244,47                                                                             |
| 5200034573      | 31.12.2016   | 10.242,78                                                                              |
| 5200000669      | 01.01.2017   | -10.242,78                                                                             |
| 5200020947      | 31.08.2014   | 10.219,60                                                                              |
| 5200021380      | 01.09.2014   | -10.219,60                                                                             |
| 5200030999      | 31.12.2012   | 10.204,17                                                                              |
| 5200000616      | 01.01.2013   | -10.204,17                                                                             |
| 5200007765      | 31.03.2015   | 10.196,97                                                                              |
| 5200008169      | 01.04.2015   | -10.196,97                                                                             |
| 5200006811      | 31.03.2014   | 10.189,26                                                                              |
| 5200007217      | 01.04.2014   | -10.189,26                                                                             |
| 5200023593      | 30.09.2014   | 10.178,14                                                                              |
| 5200023918      | 01.10.2014   | -10.178,14                                                                             |
| 5200022150      | 30.09.2012   | 10.165,04                                                                              |
| 5200022444      | 01.10.2012   | -10.165,04                                                                             |
| 5200023344      | 31.08.2016   | 10.152,16                                                                              |
| 5200023807      | 01.09.2016   | -10.152,16                                                                             |
| 5200033877      | 31.12.2013   | 10.147,75                                                                              |
| 5200000571      | 01.01.2014   | -10.147,75                                                                             |
| 5200029624      | 31.10.2016   | 10.124,18                                                                              |
| 5200030075      | 01.11.2016   | -10.124,18                                                                             |
| 5200023549      | 30.09.2014   | 10.069,04                                                                              |
| 5200023874      | 01.10.2014   | -10.069,04                                                                             |
| 5200017557      | 30.06.2015   | 10.017,71                                                                              |
| 5200017910      | 01.07.2015   | -10.017,71                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## V. Other provisions

| Document number | Posting date | Nominal value of the document item (if necessary pro rata) <sup>1</sup> |
|-----------------|--------------|-------------------------------------------------------------------------|
| 5000002519      | 31.12.2017   | 5.000.000,00                                                            |
| 5000001214      | 01.08.2017   | 5.000.000,00                                                            |
| 5000002450      | 31.12.2017   | 4.717.543,00                                                            |
| 5000001995      | 31.12.2016   | 4.000.000,00                                                            |
| 5000001237      | 01.08.2017   | 3.000.000,00                                                            |
| 5000001559      | 11.10.2017   | -3.000.000,00                                                           |
| 5000001078      | 30.06.2017   | 2.000.000,00                                                            |
| 5000001984      | 31.12.2016   | -1.492.700,00                                                           |
| 5000001585      | 30.11.2013   | 893.000,00                                                              |
| 5000001841      | 31.12.2013   | 893.000,00                                                              |
| 5000001766      | 01.10.2010   | 753.790,51                                                              |
| 5000000537      | 31.03.2017   | 600.000,00                                                              |
| 5000000950      | 31.07.2015   | -558.600,00                                                             |
| 5000000846      | 30.06.2014   | 418.000,00                                                              |
| 5000002454      | 31.12.2017   | -332.197,19                                                             |
| 5000001618      | 31.12.2015   | 300.000,00                                                              |
| 4300209699      | 31.08.2017   | -299.386,97                                                             |
| 4300234320      | 18.10.2017   | -299.386,97                                                             |
| 5000002371      | 31.12.2017   | 258.547,18                                                              |
| 5000001578      | 31.12.2014   | -220.400,00                                                             |
| 5000000358      | 31.03.2017   | 150.700,00                                                              |
| 5000000409      | 31.03.2013   | 131.406,82                                                              |
| 5800000206      | 30.04.2016   | 126.555,97                                                              |
| 5800000755      | 31.12.2017   | 125.921,93                                                              |
| 5800000616      | 31.10.2017   | 124.886,60                                                              |
| 5800000548      | 30.09.2017   | 123.241,37                                                              |
| 5800000678      | 30.11.2017   | 122.316,68                                                              |
| 5800000216      | 30.04.2017   | 121.974,80                                                              |
| 5800000484      | 31.08.2017   | 120.967,31                                                              |
| 5800000415      | 31.07.2017   | 120.028,11                                                              |
| 5800000338      | 30.06.2017   | 119.639,83                                                              |
| 5800000279      | 31.05.2017   | 118.790,67                                                              |
| 5800000035      | 31.01.2017   | 114.115,01                                                              |
| 5800000089      | 28.02.2017   | 114.075,34                                                              |
| 5000002523      | 31.12.2017   | 88.000,00                                                               |
| 9510495005      | 17.04.2012   | -77.265,00                                                              |
| 9515371051      | 06.11.2017   | -68.340,00                                                              |
| 9512533491      | 04.06.2014   | -67.615,00                                                              |
| 9514297138      | 13.07.2016   | -60.445,00                                                              |
| 5000001885      | 31.12.2016   | -58.090,13                                                              |
| 5200001488      | 25.03.2010   | -57.790,63                                                              |
| 5200002257      | 25.03.2011   | -57.790,63                                                              |
| 5200003340      | 25.03.2012   | -57.790,63                                                              |
| 5200005914      | 25.03.2013   | -57.790,63                                                              |
| 5200003410      | 25.03.2014   | -57.790,63                                                              |
| 5200002876      | 25.03.2015   | -57.790,63                                                              |
| 5200003717      | 25.03.2016   | -57.790,63                                                              |
| 5200004662      | 25.03.2017   | -57.790,63                                                              |
| 9515084130      | 03.07.2017   | -49.305,00                                                              |
| 9511992843      | 05.11.2013   | -48.530,00                                                              |
| 5000002505      | 31.12.2017   | 48.110,09                                                               |
| 9510853327      | 03.09.2012   | -47.110,00                                                              |
| 5000002523      | 31.12.2017   | 44.000,00                                                               |
| 4300305128      | 20.12.2017   | -43.476,30                                                              |
| 9511026898      | 05.11.2012   | -43.350,00                                                              |
| 9512843326      | 08.10.2014   | -42.775,00                                                              |
| 9513679824      | 06.10.2015   | -40.755,00                                                              |
| 9512301079      | 07.03.2014   | -40.650,00                                                              |
| 9514406353      | 08.09.2016   | -40.295,00                                                              |
| 9512996879      | 04.12.2014   | -39.560,00                                                              |
| 9513125606      | 02.02.2015   | -39.550,00                                                              |
| 9511339181      | 05.03.2013   | -38.955,00                                                              |
| 9511543754      | 22.05.2013   | -37.905,00                                                              |
| 9511760161      | 01.08.2013   | -37.195,00                                                              |
| 9512915335      | 03.11.2014   | -36.035,00                                                              |
| 9514467620      | 06.10.2016   | -35.435,00                                                              |
| 9511136313      | 13.12.2012   | -35.245,00                                                              |

| Document number | Posting date | Nominal value of the document item (if necessary pro rata) <sup>1</sup> |
|-----------------|--------------|-------------------------------------------------------------------------|
| 9510695032      | 03.07.2012   | -34.565,00                                                              |
| 9514530770      | 03.11.2016   | -34.100,00                                                              |
| 9511682547      | 08.07.2013   | -34.000,00                                                              |
| 9513350262      | 07.05.2015   | -33.390,00                                                              |
| 9510541308      | 04.05.2012   | -32.585,00                                                              |
| 9513825033      | 04.12.2015   | -32.440,00                                                              |
| 9512698112      | 12.08.2014   | -32.050,00                                                              |
| 9514611027      | 05.12.2016   | -31.925,00                                                              |
| 9513405759      | 02.06.2015   | -31.305,00                                                              |
| 9514006027      | 03.03.2016   | -30.860,00                                                              |
| 9514819287      | 06.03.2017   | -30.175,00                                                              |
| 9514942283      | 03.05.2017   | -30.130,00                                                              |
| 9513679825      | 06.10.2015   | -30.040,00                                                              |
| 9512132393      | 06.01.2014   | -29.510,00                                                              |
| 9511643946      | 25.06.2013   | -28.975,00                                                              |
| 9511831003      | 03.09.2013   | -28.685,00                                                              |
| 9514753703      | 07.02.2017   | -28.465,00                                                              |
| 9510494976      | 17.04.2012   | -28.450,00                                                              |
| 9514291180      | 12.07.2016   | -28.255,00                                                              |
| 9510614925      | 01.06.2012   | -28.065,00                                                              |
| 9513745430      | 02.11.2015   | -27.940,00                                                              |
| 9512623123      | 11.07.2014   | -26.995,00                                                              |
| 9513894340      | 14.01.2016   | -26.485,00                                                              |
| 9510777771      | 01.08.2012   | -26.415,00                                                              |
| 9514285307      | 08.07.2016   | -26.325,00                                                              |
| 9510933421      | 01.10.2012   | -25.965,00                                                              |
| 5200001488      | 25.03.2010   | -25.963,91                                                              |
| 5200002257      | 25.03.2011   | -25.963,91                                                              |
| 5200003340      | 25.03.2012   | -25.963,91                                                              |
| 5200005914      | 25.03.2013   | -25.963,91                                                              |
| 5200003410      | 25.03.2014   | -25.963,91                                                              |
| 5200002876      | 25.03.2015   | -25.963,91                                                              |
| 5200003717      | 25.03.2016   | -25.963,91                                                              |
| 5200004662      | 25.03.2017   | -25.963,91                                                              |
| 9513551434      | 04.08.2015   | -25.835,00                                                              |
| 9514679374      | 11.01.2017   | -25.210,00                                                              |
| 9515305314      | 05.10.2017   | -24.735,00                                                              |
| 9513935990      | 02.02.2016   | -24.610,00                                                              |
| 9512369276      | 01.04.2014   | -24.470,00                                                              |
| 5000001728      | 31.12.2014   | 24.076,61                                                               |
| 5000001879      | 31.12.2013   | -23.979,70                                                              |
| 9511906118      | 01.10.2013   | -22.910,00                                                              |
| 9513295927      | 15.04.2015   | -22.865,00                                                              |
| 9511431001      | 10.04.2013   | -22.510,00                                                              |
| 9512219406      | 05.02.2014   | -21.765,00                                                              |
| 9514875985      | 04.04.2017   | -21.270,00                                                              |
| 9515442475      | 04.12.2017   | -21.145,00                                                              |
| 9513198483      | 02.03.2015   | -20.955,00                                                              |
| 9515022903      | 07.06.2017   | -20.475,00                                                              |
| 9510495037      | 17.04.2012   | -20.455,00                                                              |
| 9514878858      | 04.04.2017   | -20.300,00                                                              |
| 9512805998      | 23.09.2014   | -20.120,00                                                              |
| 9513096330      | 21.01.2015   | -19.755,00                                                              |
| 9511169211      | 04.01.2013   | -19.685,00                                                              |
| 9515190814      | 17.08.2017   | -19.490,00                                                              |
| 9513476484      | 02.07.2015   | -19.000,00                                                              |
| 9513625933      | 10.09.2015   | -18.945,00                                                              |
| 9511263590      | 07.02.2013   | -18.540,00                                                              |
| 9515081589      | 03.07.2017   | -17.780,00                                                              |
| 5000001853      | 31.12.2014   | 17.471,86                                                               |
| 9514282562      | 05.07.2016   | -16.465,00                                                              |
| 9512079945      | 05.12.2013   | -16.335,00                                                              |
| 9513295933      | 15.04.2015   | -16.165,00                                                              |
| 9510494923      | 17.04.2012   | -16.035,00                                                              |
| 5000001728      | 31.12.2014   | -16.030,00                                                              |
| 5000001800      | 31.12.2015   | 15.789,96                                                               |
| 9512079949      | 05.12.2013   | -14.915,00                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 21.4.b**  
Uncertain Liabilities Life Science

| Document number | Posting date | Nominal value of the document item (if necessary pro rata) <sup>1</sup> |
|-----------------|--------------|-------------------------------------------------------------------------|
| 9514608686      | 06.12.2016   | -14.380,00                                                              |
| 9514289252      | 11.07.2016   | -14.310,00                                                              |
| 9512912712      | 03.11.2014   | -14.010,00                                                              |
| 9514876305      | 04.04.2017   | -13.970,00                                                              |
| 9514006034      | 03.03.2016   | -12.620,00                                                              |
| 9515371042      | 06.11.2017   | -12.585,00                                                              |
| 9513403455      | 01.06.2015   | -12.280,00                                                              |
| 9515371061      | 06.11.2017   | -12.210,00                                                              |
| 9515371060      | 06.11.2017   | -12.205,00                                                              |
| 9514404187      | 07.09.2016   | -12.195,00                                                              |
| 9511992864      | 05.11.2013   | -11.625,00                                                              |
| 9511026893      | 05.11.2012   | -11.535,00                                                              |
| 9514297144      | 13.07.2016   | -11.500,00                                                              |
| 9512215767      | 04.02.2014   | -11.300,00                                                              |
| 9512533518      | 04.06.2014   | -11.160,00                                                              |
| 9512301089      | 05.03.2014   | -11.070,00                                                              |
| 9510231782      | 09.01.2012   | -10.885,00                                                              |
| 9513829563      | 07.12.2015   | 10.560,00                                                               |
| 9513196113      | 02.03.2015   | -10.490,00                                                              |
| 9512533517      | 04.06.2014   | -10.465,00                                                              |
| 9515227027      | 05.09.2017   | -10.440,00                                                              |
| 9514297153      | 13.07.2016   | -10.415,00                                                              |
| 9515299480      | 05.10.2017   | -10.045,00                                                              |
| 9512620562      | 10.07.2014   | -10.010,00                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



## **Annex 22.2**

### Contractual relationships Life Science

**I. The contracts of KGaA that are recorded in the Legal Document Management System (LDMS) (naming the respective LDMS number)<sup>1</sup>**

**1. Data Privacy Agreements**

LCM-108181      LCM-115676      LCM-117578

**2. Distribution Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-116469 | LCM-116470 | LCM-117692 | LCM-117694 | LCM-117695 | LCM-117697 |
| LCM-117702 | LCM-122818 | LCM-122820 | LCM-125619 | LCM-128551 | LCM-132009 |
| LCM-138314 | LCM-138317 | LCM-139080 | LCM-139087 | LCM-139089 | LCM-139090 |
| LCM-139093 | LCM-139094 | LCM-139095 | LCM-139127 | LCM-139317 | LCM-139321 |
| LCM-139324 | LCM-139408 | LCM-139414 | LCM-139430 | LCM-139431 | LCM-139684 |
| LCM-142197 | LCM-142200 | LCM-142201 | LCM-143503 | LCM-143505 | LCM-143507 |
| LCM-196290 | LCM-196291 | LCM-196460 | LCM-200028 | LCM-204840 | LCM-205425 |
| LCM-206336 | LCM-208801 | LCM-209359 | LCM-226799 | LCM-228578 | LCM-232697 |
| LCM-235530 | LCM-235533 | LCM-237053 | LCM-88805  | LCM-98698  | LCM 242904 |

**3. Intercompany Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-136766 | LCM-137545 | LCM-139461 | LCM-139462 | LCM-199334 | LCM-199527 |
| LCM-214694 | LCM-219205 |            |            |            |            |

**4. IP License Agreements**

LCM-107895      LCM-116065      LCM-213882

**5. IT**

LCM-211701

**6. Letter of Intent**

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| LCM-136868 | LCM-138753 | LCM-224773 | LCM-231581 | LCM-232212 |
|------------|------------|------------|------------|------------|

**7. Material Transfer Agreements – MTA**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-115779 | LCM-119307 | LCM-124148 | LCM-139460 | LCM-142515 | LCM-208536 |
| LCM-208544 | LCM-212037 | LCM-212270 | LCM-212888 | LCM-214497 | LCM-216350 |
| LCM-218130 | LCM-222118 | LCM-222940 | LCM-224933 | LCM-225186 | LCM-225342 |
| LCM-228145 | LCM-228964 | LCM-232707 | LCM-232708 | LCM-232710 | LCM-234398 |
| LCM-234682 | LCM-234685 | LCM-235264 | LCM-235556 | LCM-236275 | LCM-237768 |

**8. Other Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-100759 | LCM-107055 | LCM-107104 | LCM-107493 | LCM-107497 | LCM-107654 |
| LCM-107660 | LCM-108367 | LCM-108594 | LCM-114840 | LCM-115989 | LCM-117735 |
| LCM-118464 | LCM-119917 | LCM-120582 | LCM-120749 | LCM-121117 | LCM-121128 |
| LCM-121134 | LCM-121138 | LCM-122552 | LCM-122630 | LCM-123129 | LCM-125511 |
| LCM-125625 | LCM-127595 | LCM-127783 | LCM-128864 | LCM-129746 | LCM-129754 |
| LCM-130604 | LCM-130654 | LCM-131691 | LCM-132683 | LCM-132739 | LCM-133042 |

<sup>1</sup> Listed under I. of the annex are contracts with their respective contract number, both being registered in the contract database "Legal Document Management System" of Merck KGaA, Darmstadt, Deutschland.

**Annex 22.2**

## Contractual Relationships Life Science

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-133082 | LCM-133572 | LCM-133903 | LCM-134219 | LCM-134235 | LCM-136544 |
| LCM-136601 | LCM-136736 | LCM-138875 | LCM-139296 | LCM-139551 | LCM-140146 |
| LCM-140731 | LCM-140895 | LCM-140935 | LCM-141488 | LCM-141657 | LCM-141775 |
| LCM-142166 | LCM-142167 | LCM-142446 | LCM-142508 | LCM-142621 | LCM-142877 |
| LCM-143566 | LCM-193912 | LCM-193993 | LCM-194429 | LCM-194430 | LCM-195133 |
| LCM-196453 | LCM-196947 | LCM-197327 | LCM-197880 | LCM-197889 | LCM-198054 |
| LCM-198062 | LCM-198178 | LCM-198285 | LCM-198832 | LCM-199133 | LCM-199204 |
| LCM-199205 | LCM-200245 | LCM-200440 | LCM-200443 | LCM-200444 | LCM-200564 |
| LCM-200629 | LCM-200631 | LCM-200705 | LCM-201068 | LCM-201522 | LCM-201547 |
| LCM-203443 | LCM-203870 | LCM-204142 | LCM-204500 | LCM-204533 | LCM-205094 |
| LCM-206295 | LCM-206930 | LCM-207661 | LCM-207953 | LCM-208541 | LCM-208604 |
| LCM-208933 | LCM-209150 | LCM-209532 | LCM-209535 | LCM-209569 | LCM-209669 |
| LCM-209951 | LCM-210218 | LCM-210732 | LCM-210733 | LCM-210934 | LCM-210959 |
| LCM-210988 | LCM-212072 | LCM-212264 | LCM-212730 | LCM-213053 | LCM-213375 |
| LCM-213412 | LCM-213638 | LCM-213641 | LCM-213751 | LCM-214706 | LCM-215889 |
| LCM-216188 | LCM-216287 | LCM-216297 | LCM-216354 | LCM-216867 | LCM-217360 |
| LCM-217635 | LCM-219685 | LCM-221942 | LCM-222597 | LCM-222601 | LCM-222744 |
| LCM-223574 | LCM-223744 | LCM-224546 | LCM-225258 | LCM-225343 | LCM-225344 |
| LCM-225362 | LCM-225364 | LCM-226476 | LCM-227581 | LCM-228386 | LCM-228387 |
| LCM-228388 | LCM-228636 | LCM-232766 | LCM-232847 | LCM-234397 | LCM-234484 |
| LCM-234538 | LCM-234550 | LCM-234687 | LCM-235136 | LCM-235565 | LCM-39583  |
| LCM-55711  | LCM-55712  | LCM-84930  | LCM-85742  | LCM-88273  | LCM-92261  |
| LCM-93213  | LCM-96826  | LCM-98664  | LCM-98707  | LCM-242914 | LCM-242913 |
| LCM-145141 | LCM-247295 |            |            |            |            |

**9. Procurement Agreements -In**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-100343 | LCM-100787 | LCM-100795 | LCM-100814 | LCM-100862 | LCM-100863 |
| LCM-115311 | LCM-118747 | LCM-119344 | LCM-131962 | LCM-134593 | LCM-137333 |
| LCM-140672 | LCM-203896 | LCM-207706 | LCM-209246 | LCM-210054 | LCM-219144 |
| LCM-219853 | LCM-224276 | LCM-229069 | LCM-231442 | LCM-231446 | LCM-233018 |
| LCM-233061 | LCM-96768  | LCM-96792  |            |            |            |

**10. Product Development Agreement**

|            |            |            |           |
|------------|------------|------------|-----------|
| LCM-139393 | LCM-203689 | LCM-207285 | LCM-97572 |
|------------|------------|------------|-----------|

**11. Quality Assurance Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-100323 | LCM-108441 | LCM-115824 | LCM-117808 | LCM-119178 | LCM-119919 |
| LCM-121563 | LCM-124794 | LCM-125922 | LCM-126241 | LCM-127902 | LCM-130619 |
| LCM-130620 | LCM-130719 | LCM-131563 | LCM-131692 | LCM-132789 | LCM-132790 |
| LCM-132794 | LCM-132977 | LCM-132986 | LCM-133593 | LCM-133642 | LCM-134729 |
| LCM-137236 | LCM-137399 | LCM-137553 | LCM-138134 | LCM-138316 | LCM-138605 |
| LCM-138804 | LCM-139228 | LCM-139565 | LCM-139566 | LCM-139797 | LCM-139826 |
| LCM-139900 | LCM-139902 | LCM-139903 | LCM-139905 | LCM-139906 | LCM-139907 |
| LCM-139908 | LCM-139909 | LCM-139910 | LCM-140140 | LCM-140143 | LCM-140147 |
| LCM-140215 | LCM-140234 | LCM-140421 | LCM-140896 | LCM-140947 | LCM-141156 |
| LCM-141157 | LCM-141271 | LCM-141272 | LCM-141794 | LCM-142130 | LCM-142155 |
| LCM-142157 | LCM-142158 | LCM-142159 | LCM-142160 | LCM-142162 | LCM-142572 |
| LCM-143052 | LCM-143131 | LCM-143136 | LCM-193911 | LCM-193999 | LCM-194422 |
| LCM-195137 | LCM-195224 | LCM-196949 | LCM-196951 | LCM-196952 | LCM-196954 |
| LCM-197424 | LCM-197896 | LCM-198057 | LCM-198290 | LCM-198295 | LCM-199119 |
| LCM-199129 | LCM-199206 | LCM-199600 | LCM-200223 | LCM-200228 | LCM-200478 |
| LCM-200778 | LCM-200893 | LCM-200894 | LCM-201263 | LCM-201264 | LCM-201940 |
| LCM-202815 | LCM-202816 | LCM-202820 | LCM-202860 | LCM-202866 | LCM-203011 |

**Annex 22.2**

## Contractual Relationships Life Science

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-203285 | LCM-203287 | LCM-203288 | LCM-203289 | LCM-203447 | LCM-204148 |
| LCM-204632 | LCM-204637 | LCM-205054 | LCM-205058 | LCM-205080 | LCM-205083 |
| LCM-205096 | LCM-205133 | LCM-205135 | LCM-205145 | LCM-205880 | LCM-205881 |
| LCM-205967 | LCM-206546 | LCM-206547 | LCM-207021 | LCM-207210 | LCM-207660 |
| LCM-208052 | LCM-208053 | LCM-208056 | LCM-208058 | LCM-208201 | LCM-208239 |
| LCM-208476 | LCM-208477 | LCM-208478 | LCM-208582 | LCM-208605 | LCM-208935 |
| LCM-208937 | LCM-209533 | LCM-209534 | LCM-210929 | LCM-210931 | LCM-210932 |
| LCM-210933 | LCM-210996 | LCM-212023 | LCM-212024 | LCM-212261 | LCM-212262 |
| LCM-212266 | LCM-212578 | LCM-212579 | LCM-212898 | LCM-212944 | LCM-213436 |
| LCM-213439 | LCM-213441 | LCM-213745 | LCM-213749 | LCM-213952 | LCM-213953 |
| LCM-214695 | LCM-214705 | LCM-215241 | LCM-215244 | LCM-215258 | LCM-215259 |
| LCM-215860 | LCM-216126 | LCM-216127 | LCM-216129 | LCM-216131 | LCM-216408 |
| LCM-217142 | LCM-217143 | LCM-217145 | LCM-218131 | LCM-218135 | LCM-218136 |
| LCM-219890 | LCM-219920 | LCM-219934 | LCM-219936 | LCM-219937 | LCM-220023 |
| LCM-220034 | LCM-220491 | LCM-220495 | LCM-221800 | LCM-222102 | LCM-222588 |
| LCM-223571 | LCM-223628 | LCM-224547 | LCM-224548 | LCM-224551 | LCM-225187 |
| LCM-225191 | LCM-225585 | LCM-225586 | LCM-225588 | LCM-225589 | LCM-226067 |
| LCM-226805 | LCM-226807 | LCM-228482 | LCM-228777 | LCM-228867 | LCM-228872 |
| LCM-228880 | LCM-228960 | LCM-229754 | LCM-230028 | LCM-232076 | LCM-232279 |
| LCM-232285 | LCM-232291 | LCM-232362 | LCM-232440 | LCM-232448 | LCM-232449 |
| LCM-232450 | LCM-232451 | LCM-232452 | LCM-232453 | LCM-232455 | LCM-232704 |
| LCM-232711 | LCM-232712 | LCM-233416 | LCM-233420 | LCM-233765 | LCM-234394 |
| LCM-234395 | LCM-234486 | LCM-234697 | LCM-234788 | LCM-234789 | LCM-236261 |
| LCM-236267 | LCM-236268 | LCM-236272 | LCM-236274 | LCM-236278 | LCM-237516 |
| LCM-242344 | LCM-63287  | LCM-88826  |            |            |            |

**12. Research and Development Agreements**

|            |            |            |           |
|------------|------------|------------|-----------|
| LCM-128906 | LCM-201753 | LCM-244526 | LCM-99014 |
|------------|------------|------------|-----------|

**13. Sales Agreements-Out direct**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-129150 | LCM-137243 | LCM-137776 | LCM-138764 | LCM-138771 | LCM-138773 |
| LCM-138774 | LCM-138776 | LCM-138777 | LCM-139332 | LCM-139996 | LCM-195549 |
| LCM-196469 | LCM-197968 | LCM-209196 | LCM-209270 | LCM-209272 | LCM-212737 |
| LCM-214602 | LCM-223583 | LCM-224789 | LCM-232218 | LCM-234557 | LCM-239094 |
| LCM-239885 | LCM-245061 |            |            |            |            |

**14. Service Agreements**

|            |            |            |            |
|------------|------------|------------|------------|
| LCM-121406 | LCM-136506 | LCM-242721 | LCM-247296 |
|------------|------------|------------|------------|

**II. Trademark agreements (including the respective contract number)<sup>2</sup>****1. License agreements with respect to trademark rights**

|           |           |           |            |           |           |
|-----------|-----------|-----------|------------|-----------|-----------|
| A4418WW00 | A2193US00 | A2121WW00 | A1401WW00  | A6083IN00 | A5825EU00 |
| A4176WW00 | A4713WW00 | A3601WW00 | A26407WW00 | A1413WW00 | A1396WW00 |

**2. Other agreements with respect to trademark rights**

|           |           |           |           |           |            |
|-----------|-----------|-----------|-----------|-----------|------------|
| A5608IL00 | A5760TW00 | A3665VN00 | A5910RU00 | A6051MX00 | A6218IN00  |
| A5850NO00 | A5171KP00 | A5929RS00 | A1181ES00 | A3666IL00 | A3548MX00  |
| A2031EG00 | A4093AR00 | A1312UA00 | A4012VN00 | A4011IL00 | A2118PL00  |
| A3547EC00 | A1332EG00 | A3864CR00 | A6217CN00 | A5919MY00 | A6176VN00  |
| A5993DE00 | A1956DE00 | A1736AR00 | A1673DE00 | A1671DE00 | A1669DE00  |
| A6085WW00 | A6056US00 | A1643DE00 | A1637CZ00 | A5979WW00 | A1539WW00  |
| A1507DE00 | A5669WW00 | A1324DE00 | A1317WW00 | A1387WW00 | A1495DE00  |
| A1606DE00 | A5920WW00 | A5520WW00 | A1670DE00 | A5418WW00 | A5251WW00  |
| A1231DE00 | A1225DE00 | A1178DE00 | A1174WW00 | A1173DE00 | A1171DE00  |
| A1170DE00 | A1169DE00 | A1151WW00 | A1136WW00 | A1134WW00 | A4865WW00  |
| A1107WW00 | A4354EU00 | A4224WW00 | A4166WW00 | A4149WW00 | A4109DE00  |
| A4042WW00 | A3821BR00 | A3802DE00 | A3782WW00 | A3780WW00 | A3707WW00  |
| A3670WW00 | A3657EU00 | A3580EU00 | A3448WW00 | A3438US00 | A3370DE00  |
| A3140DE00 | A3446WW00 | A2876EU00 | A3546WW00 | A3596EU00 | A3790WW00  |
| A3854AR00 | A4051WW00 | A4718PY00 | A5084EC00 | A5226EU01 | A5278WW00  |
| A5514PY00 | A5667WW00 | A5921WW00 | A5998WW00 | A6001WW00 | A2054EU00  |
| A2039WW00 | A6051PE00 | A2024BR00 | A6025DE00 | A1228DE00 | A3822DE00  |
| A6027DE00 | A6028WW00 | A4303WW00 | A6020BR00 | A1684WW00 | A5503AR00  |
| A1252DE00 | A1115US00 | A4295WW00 | A3893EU00 | A3855EU00 | A3710WW00  |
| A3554EU00 | A3552DE00 | A3439WW00 | A3430WW00 | A3325WW00 | A3252WW00  |
| A3131WW00 | A5291US00 | A2233DE00 | A2032WW00 | A6060WW00 | A2004DE00  |
| A1937HU00 | A1600RU00 | A1690NO00 | A4348CN00 | A4148IL00 | A12522AR00 |
| A6019WW00 | A1602DE00 | A5246EU00 | A5244WO00 | A5243DE00 | A5242AU00  |
| A1150EU00 | A4648WW00 | A4310WW00 | A4196WW00 | A4091WW00 | A3758DE00  |
| A3684DE00 | A5241DE00 | A5245EU00 | A2229FR00 | A2074WW00 | A6072WW00  |

<sup>2</sup> Listed in the Annex under II. are the trademark agreements with their respective contract numbers, both being registered in the database “Patricia” of Merck KGaA, Darmstadt, Germany.

**III. Patent agreements (including the respective contract number)<sup>3</sup>****1. License agreements with respect to patent rights**

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| CNT-00062 | CNT-00138 | CNT-00147 | CNT-00170 | CNT-00197 | CNT-00266 |
| CNT-00267 | CNT-00269 | CNT-00274 | CNT-00316 | CNT-00369 | CNT-00587 |
| CNT-00650 |           |           |           |           |           |

**2. Other agreements with respect to patent rights**

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| CNT-00031 | CNT-00032 | CNT-00048 | CNT-00063 | CNT-00178 | CNT-00206 |
| CNT-00207 | CNT-00209 | CNT-00213 | CNT-00226 | CNT-00229 | CNT-00235 |
| CNT-00237 | CNT-00250 | CNT-00251 | CNT-00268 | CNT-00270 | CNT-00302 |
| CNT-00304 | CNT-00318 | CNT-00319 | CNT-00323 | CNT-00357 | CNT-00389 |
| CNT-00427 | CNT-00455 | CNT-00469 | CNT-00474 | CNT-00475 | CNT-00477 |
| CNT-00497 | CNT-00498 | CNT-00518 | CNT-00520 | CNT-00521 | CNT-00523 |
| CNT-00537 | CNT-00552 | CNT-00566 | CNT-00584 | CNT-00617 | CNT-00618 |
| CNT-00620 | CNT-00628 | CNT-00653 | CNT-00658 |           |           |

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<sup>3</sup> Listed in the Annex under III. are the trademark agreements with their respective contract numbers, both being registered in the database “Patricia” of Merck KGaA, Darmstadt, Germany.

## **Annex 23.1**

### Employment relationships Life Science

**Position keys of employees according to the personnel administration system, allocated to the Operating Unit "KGaA Life Science Darmstadt" at the Closing Balance Effective Date**

|          |           |          |          |          |          |          |
|----------|-----------|----------|----------|----------|----------|----------|
| 76013020 | 76231050  | 70040654 | 76334020 | 77068080 | 70029526 | 76307120 |
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| 77077070 | 77212160  | 70156131 | 74254050 | 71061010 | 76097070 | 70280241 |



|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
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| 70303951 | 70554100 | 70300282 | 70287435 | 70203423 | 70034080 | 70306071 |
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| 74104440 | 74254100 | 70023783 | 77075050 | 70044333 | 70104225 | 74098140 |
| 77077220 | 76334090 | 70189932 | 70238237 | 70302877 | 70098670 | 70052927 |
| 70008011 | 72003030 | 70046657 | 70307725 | 70038452 | 70100610 | 70127549 |
| 74677160 | 76276300 | 70286079 | 70302962 | 70046345 | 70026628 | 70310902 |
| 70258109 | 76292020 | 77027340 | 77256030 | 70046551 | 70301752 | 70300440 |
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**Annex 23.1**  
Employment Contracts Life Science

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
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| 70233331 | 70277085 | 70298276 | 70301299 | 70308665 | 70303036 | 70305229 |
| 70307786 | 70253077 | 70259861 | 70294162 | 70304633 | 70300138 | 70300959 |
| 70106479 | 70244585 | 70298181 | 70301294 | 70308666 | 70292392 | 70300990 |
| 70301941 | 70306825 | 70311835 | 70303304 | 70312486 | 70295671 | 70313204 |
| 70110229 | 70243098 | 70213764 | 70307902 | 70305105 | 70296295 | 70313705 |
| 74104560 | 70239870 | 70311585 | 70241744 | 70300300 | 70296510 | 70301290 |
| 70041687 | 70309496 | 70282567 | 70306527 | 70302584 | 70308921 | 70301288 |
| 70303730 | 70313950 | 70309466 | 70302202 | 70307803 | 70296550 | 70301701 |
| 70306943 | 70306791 | 70291096 | 70300301 | 70303884 | 70303475 | 70301803 |
| 70288047 | 70301618 | 70298250 | 70305503 | 70303190 | 70306805 | 70301914 |
| 70262370 | 70298355 | 70282535 | 70294157 | 70302604 | 70296814 | 70301891 |
| 70200044 | 70290972 | 70305022 | 70305102 | 70302247 | 70296816 | 70301893 |
| 70308818 | 70312282 | 70298109 | 70302250 | 70304927 | 70296865 | 70301897 |
| 70240433 | 70298329 | 70298180 | 70282555 | 70304102 | 70296965 | 70301999 |
| 70208487 | 70314176 | 70298732 | 70297348 | 70262719 | 70296967 | 70302063 |
| 70311277 | 70297950 | 70294259 | 70301502 | 70272297 | 70297011 | 70302132 |
| 70266606 | 70286645 | 70313223 | 70234835 | 70305525 | 70297078 | 70306663 |
| 70245666 | 70313927 | 70291031 | 70305389 | 70298120 | 70301755 | 70302273 |
| 70252372 | 70280608 | 70308813 | 70305001 | 70301356 | 70311275 | 70310779 |
| 70231173 | 70283649 | 70292393 | 70305802 | 70305700 | 70307410 | 70308976 |
| 70245486 | 70138690 | 70242903 | 70243179 | 70309052 | 70297909 | 70302430 |
| 70238569 | 70069453 | 70281030 | 70245693 | 70311636 | 70309577 | 70302489 |
| 70253368 | 70300925 | 70219962 | 70298059 | 70300180 | 70311480 | 70302488 |
| 70253130 | 70305588 | 70307433 | 70309039 | 70301605 | 70313586 | 70308816 |
| 70010412 | 70298160 | 70301190 | 70299710 | 70300182 | 70297542 | 70307459 |
| 70269012 | 70212490 | 70307309 | 70243640 | 70300181 | 70311534 | 70302830 |
| 70247458 | 70185509 | 70305063 | 70203424 | 70300156 | 70297938 | 70302985 |
| 70246793 | 70165062 | 70298828 | 70286817 | 70301928 | 70297939 | 70303111 |
| 70219257 | 70050533 | 70301679 | 70311981 | 70305072 | 70311765 | 70303206 |
| 70302880 | 70297289 | 70300128 | 70243282 | 70264130 | 70312345 | 70311592 |

## Employment Contracts Life Science

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
| 70307691 | 70305940 | 70307241 | 70308803 | 70310376 | 70311328 | 70312529 |
| 70308945 | 70306025 | 70311289 | 70308809 | 70310306 | 70311295 | 70312630 |
| 70309679 | 70305928 | 70307692 | 70308828 | 70310409 | 70311351 | 70312726 |
| 70309461 | 70305937 | 70307782 | 70308830 | 70310425 | 70311333 | 70312701 |
| 70303449 | 70305938 | 70307806 | 70311496 | 70310520 | 70311377 | 70312703 |
| 70308646 | 70305460 | 70307830 | 70308824 | 70310541 | 70311401 | 70312707 |
| 70303489 | 70305990 | 70307836 | 70308858 | 70310534 | 70311407 | 70312734 |
| 70303486 | 70312204 | 70307854 | 70309056 | 70310523 | 70311427 | 70312711 |
| 70303526 | 70312128 | 70307831 | 70309153 | 70310535 | 70311650 | 70312813 |
| 70303332 | 70311947 | 70307850 | 70309231 | 70310524 | 70311639 | 70312960 |
| 70303679 | 70305416 | 70310859 | 70309265 | 70310548 | 70312348 | 70312980 |
| 70312556 | 70306052 | 70307875 | 70309472 | 70310725 | 70311807 | 70313070 |
| 70304725 | 70306051 | 70307931 | 70309543 | 70310775 | 70311750 | 70313076 |
| 70304792 | 70306050 | 70308633 | 70309576 | 70313008 | 70311753 | 70313302 |
| 70304914 | 70306077 | 70307922 | 70309595 | 70310661 | 70311844 | 70313290 |
| 70304951 | 70306102 | 70308656 | 70309562 | 70310786 | 70311905 | 70313380 |
| 70305359 | 70306177 | 70311728 | 70309650 | 70310816 | 70311932 | 70313379 |
| 70305397 | 70306192 | 70308632 | 70309655 | 70310787 | 70313285 | 70313501 |
| 70305426 | 70306213 | 70308640 | 70309653 | 70310911 | 70312057 | 70313626 |
| 70305602 | 70312723 | 70308630 | 70309657 | 70313449 | 70312041 | 70313637 |
| 70313850 | 70306342 | 70308625 | 70309666 | 70311040 | 70312048 | 70313909 |
| 70305712 | 70306477 | 70308634 | 70309753 | 70311136 | 70312098 |          |
| 70307291 | 70306535 | 70308629 | 70309795 | 70311204 | 70312203 |          |
| 70305782 | 70001000 | 70308626 | 70309802 | 70311207 | 70314328 |          |
| 70305432 | 70306511 | 70307923 | 70309773 | 70311772 | 70312227 |          |
| 70305431 | 70306545 | 70307921 | 70309815 | 70311185 | 70312191 |          |
| 70305430 | 70306839 | 70308628 | 70309865 | 70311221 | 70312220 |          |
| 70305926 | 70306858 | 70307924 | 70309895 | 70311255 | 70312246 |          |
| 70305927 | 70307051 | 70308714 | 70310627 | 70311308 | 70312259 |          |
| 70305913 | 70307121 | 70308720 | 70309987 | 70311286 | 70312354 |          |
| 70305436 | 70307124 | 70313137 | 70309965 | 70311291 | 70312335 |          |
| 70305417 | 70307210 | 70308782 | 70310303 | 70311292 | 70312417 |          |

## **Annex 23.9**

Trust Agreement on transferring the legal position of KGaA as regards  
Pension Commitments vis-à-vis Transitioning Life Science Employees to  
LS OpCo

**Regulatory Content of the Trust Agreement  
with regard to pension commitments by way of  
direct insurance and the pension fund  
according to Sec. 23.9 of the  
Hive-Down and Transfer Agreement<sup>1</sup> between  
KGaA and LS OpCo**

**§ 1 Trust Agreement**

- 1.1 KGaA undertakes, as of the Legal Effective Date within the meaning of the Hive-Down Agreement between KGaA and LS OpCo and with economic effect as of Economic Effective Date, to perform the legal positions required for pension commitments in the form of direct insurance commitments and pension fund commitments and that KGaA holds relating to Transferring Employees of the Life Science sectors within the meaning of Sec. 23.1 of the Hive-Down Agreement (hereinafter referred to as ***legal positions from the external means of implementation***), specifically to maintain the policyholder position with regard to direct insurance and the position as a member firm of the pension fund, as per the legal regulations exclusive in trust for LS OpCo and in their interest (hereinafter ***Trust Agreement***). In particular, KGaA shall not have the right to transfer, assign, pledge, encumber or surrender the legal positions from the external execution channels without the prior consent of LS OpCo.
- 1.2 LS OpCo is entitled to extend the fiduciary relationship established under this Trust Agreement at any time by instructing the KGaA to include additional legal positions from external means of implementation. This applies in particular to legal positions from external means of implementation, insofar as they relate to employees who are hired after the Economic Effective Date and receive a direct insurance commitment or pension fund commitment. All such additional legal positions from external channels of execution shall be deemed to be legal positions from external means of implementation within the meaning of this Trust Agreement as from the time of instruction by LS OpCo.
- 1.3 The parties agree that during the fiduciary administration by KGaA, LS OpCo, as holder of the legal positions from the external execution channels, shall have the same economic rights as an owner with full legal rights regarding the legal positions from the external execution channels. Furthermore, the fiduciary administration is not intended for KGaA to wholly or partly hold the economic ownership to the legal positions from the external execution channels.

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<sup>1</sup> The definitions of the Hive-Down and Transfer Agreement apply accordingly unless otherwise provided below.

## **§ 2 Rights and Obligations of KGaA**

- 2.1 KGaA is obligated to follow all instructions of LS OpCo in connection with the legal positions from the external execution channels. Moreover, it is obligated to perform all duties under this Trust Agreement with the greatest possible care.
- 2.2 KGaA undertakes to fulfill all legal and contractual obligations towards the beneficiaries and the pension providers based on the direct insurance commitments and pension fund commitments within the scope of this Agreement. In particular, KGaA undertakes to make timely payments of insurance premiums and contributions for direct insurance commitments and pension fund commitments and to act vis-à-vis external pension providers in a manner that is in the best interest of LS OpCo, to make the best economic use of the legal position from external execution channels.
- 2.3 KGaA is only obligated and entitled to enforce the legal positions from the external execution channels if LS OpCo gives it explicit instruction to do so. The express instruction can also be given on an overall basis. If it receives such instructions, it shall execute the legal positions from the external execution channels in the best interests of LS OpCo and according to their instructions, while keeping LS OpCo informed of all key aspects of the proceedings. Should KGaA consider a particular measure to enforce the legal positions from the external execution channels to be of benefit, it shall provide LS OpCo with all information that justifies its assessment and request the issuance of instructions by LS OpCo.
- 2.4 Any payments which the KGaA receives in connection with its activities under this Trust Agreement and which are not due to the employees mentioned in section 1.1, but to the KGaA economically due to its position as policyholder of direct insurance or as a member firm of the pension fund, are exclusively due to the LS OpCo in relation between the KGaA and the LS OpCo.

## **§ 3 Rights and Obligations of LS OpCo**

- 3.1 LS OpCo shall have the exclusive right to use the legal positions from the external execution channels in any way and to exploit them as needed.
- 3.2 LS OpCo shall have the right to issue instructions to KGaA from the external execution channels at any time with regard to the legal positions. In doing so, it shall act in accordance with the statutory provisions.
- 3.3 LS OpCo is obliged to assist KGaA in the fulfillment of all legal or contractual obligations under the direct insurance commitments and pension fund commitments to the beneficiaries and the pension providers.
- 3.4 LS OpCo shall at any time be entitled to demand from KGaA the termination of any activities of KGaA with respect to the legal positions from the external execution channels and/or to arrange the re-establishment / transfer of the legal positions from the external execution channels. LS OpCo shall operate in accordance with the legal regulations.

#### § 4 Costs and Accounting

- 4.1 All costs and expenses incurred by KGaA in connection with the fulfillment of obligations under this Trust Agreement shall be borne by LS OpCo. KGaA shall bill all costs incurred as a result of the fulfillment of the obligations under this Trust Agreement within reasonable regular intervals, at least once a year to LS OpCo.
- 4.2 The costs substantiated and invoiced in accordance with sec. 4.1 **Error! Reference source not found.** shall be paid by LS OpCo to KGaA within 60 days of receipt of the invoice.

#### § 5 Term and Termination

- 5.1 This Trust Agreement shall become effective upon registration of the hive-down in the Commercial Register and with retroactive effect from the Economic Effective Date as of January 1, 2018, at midnight, and shall be entered into for an indefinite period of time.
- 5.2 LS OpCo and KGaA may each terminate the Trust Agreement at any time without providing any reason, giving notice of 2 months as per the end of the month,.
- 5.3 The right of both Parties to terminate this Trust Agreement for due cause or for mutually agreed annulment and amendment shall remain unaffected.
- 5.4 Upon termination of this Trust Agreement, all rights of the Parties under this Trust Agreement shall elapse unless expressly specified otherwise. At the time of termination, the legal positions from the external means of implementation are transferred to LS OpCo, where appropriate. KGaA and LS OpCo will carry out the necessary steps for the transfer. If the transfer requires the approval of the external pension provider or an agreement with the external pension provider, the KGaA and LS OpCo will obtain or conclude such an agreement. Insofar as such consent is refused or such an agreement with the external pension provider is not reached, the KGaA will ensure that LS OpCo will be provided as if a corresponding agreement had been concluded, in particular by working towards obtaining a policyholder position with regard to the direct insurances and obtaining a status of a member firm of PKDW.

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### **Annex 24.3**

#### **Procedural law relationships Life Science**



**I. Procedural law relationships trademarks**

| <b>Case number according to internal database</b> | <b>Country</b> |
|---------------------------------------------------|----------------|
| L1803KR00                                         | South Korea    |
| L1806BR00                                         | Brazil         |
| L3358WW00                                         | Global         |
| L1999RU00                                         | Russia         |
| L2077CH00                                         | Switzerland    |

**II. Objection proceedings trademarks**

| <b>Case number according to internal database</b> | <b>Country</b>                   |
|---------------------------------------------------|----------------------------------|
| OT7946VE00                                        | Bolivarian Republic of Venezuela |
| OT7966IN00                                        | India                            |
| OT9369PY00                                        | Paraguay                         |
| OT9416PY00                                        | Paraguay                         |
| OT9434VE00                                        | Bolivarian Republic of Venezuela |
| OT10568IN00                                       | India                            |
| OT11727AR00                                       | Argentina                        |
| OT11729AR00                                       | Argentina                        |
| OT11730AR00                                       | Argentina                        |
| OT11731AR00                                       | Argentina                        |
| OT11952BR00                                       | Brazil                           |
| OT12173PY00                                       | Paraguay                         |
| OT12205IN00                                       | India                            |
| OT12216IN00                                       | India                            |
| OT9732EU00                                        | European Union                   |
| OT5226BR00                                        | Brazil                           |
| OT11503VE00                                       | Bolivarian Republic of Venezuela |
| OT12504EU00                                       | European Union                   |

**III. Other procedural law relationships**

| <b>Trial court</b>    | <b>File number</b> |
|-----------------------|--------------------|
| Landgericht Stuttgart | Az. 11 O 226/16    |

### **Annex 27.3**

#### **Hive-down Balance Sheet Performance Materials**

| Hive-down Balance Sheet Operating Unit KGaA Performance Materials per 1.1. 2018 (in EUR) |             |                                                               |             |
|------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------|-------------|
| Assets                                                                                   |             | Equity and Liabilities                                        |             |
| A. Fixed assets                                                                          |             | A. Equity                                                     |             |
| I. Intangible assets                                                                     | 7.350.878   | <b>Equity</b>                                                 | 374.294.652 |
| II. Tangible Assets                                                                      | 184.304.365 | <b>Hive-down Balance Sheet</b>                                |             |
| III. Financial assets                                                                    | 128.113     |                                                               |             |
| <b>Total fixed assets</b>                                                                | 191.783.356 | B. Provisions                                                 |             |
| B. Current assets                                                                        |             | 1. Provisions for pensions and other post-employment benefits | 34.629.033  |
| I. Inventories                                                                           | 283,264,913 | 2. Other provisions                                           | 142.431.338 |
| II. Receivables and other assets                                                         |             | <b>Total provisions</b>                                       | 177.060.371 |
| 1. Trade accounts receivable                                                             | 8.256.393   | C. Liabilities                                                |             |
| 2. Other receivables and other assets                                                    | 102,869,745 | 1. Trade accounts payable                                     | 33.829.167  |
| <b>Total current assets</b>                                                              | 394.391.051 | 2. Other liabilities                                          | 376.717     |
|                                                                                          |             | <b>Total liabilities</b>                                      | 34.205.884  |
| <b>Total assets</b>                                                                      | 586.174.407 | D. Deferred Income                                            | 613.500     |
|                                                                                          |             | <b>Total equity and liabilities</b>                           | 586.174.407 |

## **Annex 28.2.a**

### Intangible Assets Performance Materials

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

## I. Trademarks

| Trademark          | Application number | Case number according to internal database |
|--------------------|--------------------|--------------------------------------------|
| AIMFEE             | 302372245          | TM8924DE00                                 |
| AKULAN             | 395545             | TM7249WO00                                 |
| AKULAN             | 1003974            | TM7249GB00                                 |
| ASCIH              | 694081             | TM5545WO00                                 |
| ASCIH              | 097/17420          | TM5545ZA03                                 |
| ASCIH              | 397 59 945.5       | TM5545DE00                                 |
| ASCIH              | 760285             | TM5545AU00                                 |
| ASCIH              | 210368             | TM5545IE00                                 |
| ASCIH              | 138541             | TM5545GR00                                 |
| ASCIH              | 98001690           | TM5545CO01                                 |
| ASCIH              | 6373               | TM5545KO00                                 |
| ASCIH              | 75/653677          | TM5545US00                                 |
| ASCIH              | 97067926           | TM5545CO03                                 |
| ASCIH              | 98/00562           | TM5545ZA01                                 |
| ASSURANCE GDS-LOGO | 78780268           | TM26289US00                                |
| ATACAMA            | 010299709          | TM23980EU00                                |
| ATACAMA            | 1103137            | TM23980WO00                                |
| ATACAMA            | 30 2011 032 361.5  | TM23980DE02                                |
| ATACAMA            | 2252829            | TM23980IN00                                |
| ATACAMA            | 1237575            | TM23980MX00                                |
| ATACAMA            | 830899             | TM23980TH00                                |
| ATACAMA            | 100064965          | TM23980TW00                                |
| ATACAMA            | 85497739           | TM23980US00                                |
| ATACAMA            | 2011/32494         | TM23980ZA00                                |
| BIFLAIR            | 003320652          | TM7619EU00                                 |
| BIFLAIR            | 1079038            | TM7619WO00                                 |
| BIFLAIR            | 009938002          | TM7619EU01                                 |
| BIFLAIR            | 454926             | TM7619TH01                                 |
| BIFLAIR            | 30 2010 066 865.2  | TM7619DE02                                 |
| BIFLAIR            | 3.086.294          | TM7619AR00                                 |
| BIFLAIR            | 831023899          | TM7619BR00                                 |
| BIFLAIR            | 1524473            | TM7619CA00                                 |
| BIFLAIR            | 11050190           | TM7619CO00                                 |
| BIFLAIR            | 301893899          | TM7619HK00                                 |
| BIFLAIR            | DD-2011 015699     | TM7619ID00                                 |
| BIFLAIR            | 2132252            | TM7619IN00                                 |
| BIFLAIR            | 1176190            | TM7619MX00                                 |
| BIFLAIR            | 2011007435         | TM7619MY00                                 |
| BIFLAIR            | 4-2011-004711      | TM7619PH00                                 |
| BIFLAIR            | 100019400          | TM7619TW00                                 |
| BIFLAIR            | 2011/09525         | TM7619ZA00                                 |
| BIFLAIR            | 85317191           | TM7619US00                                 |
| BI-FLAIR           | 755197             | TM6370WO00                                 |
| BI-FLAIR           | 90010736           | TM6370TW00                                 |
| BI-FLAIR           | 2001-03915         | TM6370MY02                                 |
| BI-FLAIR           | D00200106897       | TM6370ID02                                 |
| BI-FLAIR           | 998895             | TM6370IN00                                 |
| BI-FLAIR           | 2001/04967         | TM6370ZA02                                 |
| BI-FLAIR           | 870442             | TM6370AU00                                 |
| BI-FLAIR           | 1023907            | TM6370CO02                                 |
| BI-FLAIR           | 300 46 841.5       | TM6370DE00                                 |
| BI-FLAIR           | 2331598            | TM6370AR02                                 |
| BI-FLAIR           | 478750             | TM6370MX02                                 |
| BI-RON             | 418,549            | TM6381CA00                                 |
| BRONZYL            | 011782968          | TM24732EU00                                |
| BRONZYL            | 85918880           | TM24732US00                                |
| CANDURIN           | 852680             | TM7157WO00                                 |
| CANDURIN           | M36301/1WZ         | TM7157DE00                                 |
| CANDURIN           | 03040345           | TM7157CO02                                 |
| CANDURIN           | 304 68 954.8       | TM7157DE01                                 |
| CANDURIN           | 47193              | TM7157IQ00                                 |
| CANDURIN           | 2004/22323         | TM7157ZA02                                 |
| CANDURIN           | 722613             | TM7157NZ00                                 |
| CANDURIN           | 012218             | TM7157BO02                                 |
| CANDURIN           | 2005-00161         | TM7157NI00                                 |

| Trademark            | Application number  | Case number according to internal database |
|----------------------|---------------------|--------------------------------------------|
| CANDURIN             | 203861              | TM7157PK02                                 |
| CANDURIN             | 228093              | TM7157PE02                                 |
| CANDURIN             | 151918              | TM7157EC02                                 |
| CANDURIN             | 2004-104148         | TM7157DO02                                 |
| CANDURIN             | 2004-0009137        | TM7157CR02                                 |
| CANDURIN             | D00-2005.0730.00734 | TM7157ID02                                 |
| CANDURIN             | 45897-2005          | TM7157SV02                                 |
| CANDURIN             | 35117/2004          | TM7157PY02                                 |
| CANDURIN             | 669.083             | TM7157CL00                                 |
| CANDURIN             | [not available]     | TM7157GH02                                 |
| CANDURIN             | EE050743            | TM7157TN00                                 |
| CANDURIN             | 94493               | TM7157SA02                                 |
| CANDURIN             | 692838              | TM7157MX02                                 |
| CANDURIN             | 93057532            | TM7157TW00                                 |
| CANDURIN             | 6368                | TM7157KO02                                 |
| CANDURIN             | 2004-19580          | TM7157MY05                                 |
| CANDURIN             | 4-2004-011754       | TM7157PH00                                 |
| CANDURIN             | 2004-19281          | TM7157MY02                                 |
| CANDURIN             | 35331               | TM7157OM02                                 |
| CANDURIN             | 65650               | TM7157AE02                                 |
| CANDURIN             | 39-32-34987         | TM7157SY00                                 |
| CANDURIN             | 67692               | TM7157KW02                                 |
| CANDURIN             | 100587              | TM7157LB00                                 |
| CANDURIN             | 2.560.399           | TM7157AR02                                 |
| CANDURIN             | 827003005           | TM7157BR02                                 |
| CANDURIN             | 1240635             | TM7157CA00                                 |
| CANDURIN             | 21822/04            | TM7157KH02                                 |
| CANDURIN             | 30891               | TM7157YE02                                 |
| CANDURIN             | 575889              | TM7157TH02                                 |
| CANDURIN             | 2005-000801         | TM7157VE02                                 |
| CANDURIN             | 2004-09169          | TM7157GT02                                 |
| CANDURIN             | 46,225              | TM7157JM00                                 |
| CANDURIN             | 1329860             | TM7157IN00                                 |
| CANDURIN             | 176817              | TM7157IL02                                 |
| CANDURIN             | 77982               | TM7157JO02                                 |
| CANDURIN             | 300430424           | TM7157HK00                                 |
| CANDURIN             | 142894              | TM7157PA02                                 |
| CANDURIN             | 123210              | TM7157LK02                                 |
| CANDURIN (WITH KATA) | 111037/1987         | TM6860JP00                                 |
| CANDURIN-LOGO 2      | 003336682           | TM6859EU00                                 |
| CANDURIN-LOGO 2      | 1079041             | TM23939WO00                                |
| CANDURIN-LOGO 2      | 155914              | TM6859PK05                                 |
| CANDURIN-LOGO 2      | 88008168            | TM6859TW00                                 |
| CANDURIN-LOGO 2      | 88008169            | TM6859TW01                                 |
| CANDURIN-LOGO 2      | H11-79493           | TM6859JP00                                 |
| CANDURIN-LOGO 2      | H11-79492           | TM6859JP01                                 |
| CANDURIN-LOGO 2      | 2002-80742          | TM6859DO05                                 |
| CANDURIN-LOGO 2      | 843340              | TM6859IN00                                 |
| CANDURIN-LOGO 2      | 843341              | TM6859IN01                                 |
| CANDURIN-LOGO 2      | 87-17-103245        | TM6859SY00                                 |
| CANDURIN-LOGO 2      | 37205               | TM6859IQ00                                 |
| CANDURIN-LOGO 2      | 2002-80741          | TM6859DO0201                               |
| CANDURIN-LOGO 2      | 886845              | TM6859CA00                                 |
| CANDURIN-LOGO 2      | 99/01697            | TM6859MY05                                 |
| CANDURIN-LOGO 2      | 821107402           | TM6859BR02                                 |
| CANDURIN-LOGO 2      | 821107410           | TM6859BR05                                 |
| CANDURIN-LOGO 2      | 5778-98             | TM6859CR02                                 |
| CANDURIN-LOGO 2      | 5777-98             | TM6859CR05                                 |
| CANDURIN-LOGO 2      | 5/7014              | TM6859JM01                                 |
| CANDURIN-LOGO 2      | EE981381            | TM6859TN01                                 |
| CANDURIN-LOGO 2      | 16505               | TM6859VE02                                 |
| CANDURIN-LOGO 2      | 16504               | TM6859VE05                                 |
| CANDURIN-LOGO 2      | 30 2010 070 349.0   | TM23939DE00                                |
| CANDURIN-LOGO 2      | 2011-03560          | TM23939GT02                                |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Trademark       | Application number   | Case number according to internal database |
|-----------------|----------------------|--------------------------------------------|
| CANDURIN-LOGO 2 | 2011-03561           | TM23939GT05                                |
| CANDURIN-LOGO 2 | 454842               | TM23939PE00                                |
| CANDURIN-LOGO 2 | 422.815              | TM23939UY00                                |
| CANDURIN-LOGO 2 | D00-2011-018366      | TM23939ID02                                |
| CANDURIN-LOGO 2 | D00-2011-018364      | TM23939ID05                                |
| CANDURIN-LOGO 2 | 951287               | TM23939CL00                                |
| CANDURIN-LOGO 2 | 454841               | TM23939PE05                                |
| CANDURIN-LOGO 2 | 3089156              | TM23939AR02                                |
| CANDURIN-LOGO 2 | 97-17-103345         | TM6859SY02                                 |
| CANDURIN-LOGO 2 | 66289                | TM6859JM02                                 |
| CANDURIN-LOGO 2 | 303694753            | TM6859HK02                                 |
| CANDURIN-LOGO 2 | 155912               | TM6859PK02                                 |
| CANDURIN-LOGO 2 | 4-2011-004999        | TM23939PH00                                |
| CANDURIN-LOGO 2 | 806006               | TM23939TH02                                |
| CANDURIN-LOGO 2 | 806007               | TM23939TH05                                |
| CANDURIN-LOGO 2 | [not available]      | TM23939BO02                                |
| CANDURIN-LOGO 2 | [not available]      | TM23939BO05                                |
| CANDURIN-LOGO 2 | 11 057700            | TM23939CO02                                |
| CANDURIN-LOGO 2 | 11 057702            | TM23939CO05                                |
| CANDURIN-LOGO 2 | 2011/10310           | TM23939ZA02                                |
| CANDURIN-LOGO 2 | 2011/10311           | TM23939ZA05                                |
| CANDURIN-LOGO 2 | 2138772              | TM23939IN00                                |
| CANDURIN-LOGO 2 | 85317093             | TM23939US00                                |
| CANDURIN-LOGO 2 | 237555               | TM23939IL00                                |
| CANDURIN-LOGO 2 | 1175208              | TM23939MX02                                |
| CANDURIN-LOGO 2 | 1175209              | TM23939MX05                                |
| CANDURIN-LOGO 2 | 2011007943           | TM23939MY02                                |
| CANDURIN-LOGO 2 | 951288               | TM23939CL05                                |
| CANDURIN-LOGO 2 | 40-1999-6544         | TM6859KR00                                 |
| CANDURIN-LOGO 2 | 86559                | TM6859LB00                                 |
| CELLVENTO       | 1602352              | TM24265CA00                                |
| CELLVENTO       | 85776918             | TM24265US00                                |
| CHAMELEON       | 30 2009 015 184.9    | TM4855DE00                                 |
| CIMMERIA        | 30 2011 040 406.2/02 | TM24029DE02                                |
| COLLATEIN       | 005058731            | TM3672EU00                                 |
| COLOR SPACE     | 010407823            | TM24130EU00                                |
| COLOR SPACE     | 1112761              | TM24130WO00                                |
| COLOR SPACE     | 2311945              | TM24130IN00                                |
| COLOR SPACE     | 85/589,930           | TM24130US00                                |
| COLORCODE       | 812145               | TM7123WO00                                 |
| COLORCODE       | 399 69 564.8         | TM7123DE00                                 |
| COLORCODE       | 2003/16916           | TM7123ZA02                                 |
| COLORCODE       | 2464835              | TM7123AR02                                 |
| COLORCODE       | 826094740            | TM7123BR02                                 |
| COLORCODE       | 1192171              | TM7123CA00                                 |
| COLORCODE       | 03088384             | TM7123CO02                                 |
| COLORCODE       | 621683               | TM7123MX02                                 |
| COLORCODE       | 1240556              | TM7123IN00                                 |
| COLORCODE       | D00-2003.27645-27917 | TM7123ID02                                 |
| COLORCODE       | 167157               | TM7123IL02                                 |
| COLORCODE       | 92057733             | TM7123TW00                                 |
| COLORCODE       | 85386633             | TM7123US01                                 |
| COLORCRYPT      | 754872               | TM7125WO00                                 |
| COLORCRYPT      | 003322062            | TM7125EU00                                 |
| COLORCRYPT      | 2001/04758           | TM7125ZA02                                 |
| COLORCRYPT      | 869378               | TM7125AU00                                 |
| COLORCRYPT      | 40-2001-12627        | TM7125KR00                                 |
| COLORCRYPT      | 2330183              | TM7125AR02                                 |
| COLORCRYPT      | 823642232            | TM7125BR02                                 |
| COLORCRYPT      | 1096511              | TM7125CA00                                 |
| COLORCRYPT      | 2001/00760           | TM7125IE00                                 |
| COLORCRYPT      | 399 69 562.1         | TM7125DE00                                 |
| COLORCRYPT      | 300 41 279.7         | TM7125DE01                                 |
| COLORCRYPT      | 300 41 277.0         | TM7125DE02                                 |
| COLORCRYPT      | 1240709              | TM7125IN00                                 |
| COLORCRYPT      | D00-2003.27642.27914 | TM7125ID02                                 |
| COLORCRYPT      | 167178               | TM7125IL02                                 |

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| COLORCRYPT           | 621681             | TM7125MX02                                 |
| COLORCRYPT           | 92058105           | TM7125TW00                                 |
| COLORCRYPT           | 533140             | TM7125TH02                                 |
| COLORONA             | 95714691           | TM7130RU00                                 |
| COLORONA             | 811,400            | TM7130CA00                                 |
| COLORONA             | 131873             | TM7130PE02                                 |
| COLORONA             | 01-04484           | TM7130SE00                                 |
| COLORONA             | 74/16381           | TM7130TW00                                 |
| COLORONA             | 39636-C            | TM7130BO02                                 |
| COLORONA             | 810739895          | TM7130BR01                                 |
| COLORONA             | 87521              | TM7130CL00                                 |
| COLORONA             | 199670             | TM7130CO02                                 |
| COLORONA             | 356408             | TM7130AU00                                 |
| COLORONA             | 614102             | TM7130BX00                                 |
| COLORONA             | 81/0668            | TM7130ZA02                                 |
| COLORONA             | 587288             | TM7130FR00                                 |
| COLORONA             | 69024              | TM7130GR00                                 |
| COLORONA             | 256/81             | TM7130IE00                                 |
| COLORONA             | 17524C/81          | TM7130IT00                                 |
| COLORONA             | E21999/2WZ         | TM7130DE00                                 |
| COLORONA             | 567/81             | TM7130DK00                                 |
| COLORONA             | 1148184            | TM7130GB00                                 |
| COLORONA             | 73/334,717         | TM7130US00                                 |
| COLORONA             | 1369/81            | TM7130VE02                                 |
| COLORONA             | 2002051            | TM7130ES00                                 |
| COLORONA             | 556772             | TM7130MX0201                               |
| COLORONA             | 0-185795-02        | TM7130CZ00                                 |
| COLORONA             | 3327-2002          | TM7130SK00                                 |
| COLORONA             | 96-0005700         | TM7130CN02                                 |
| COLORONA             | 30 2010 021 575.5  | TM7130DE01                                 |
| COLORONA             | 2.577.268          | TM7130AR0201                               |
| COLORONA             | 95-48426           | TM7130KR00                                 |
| COLORONA (WITH KATA) | 8843/1981          | TM7131JP00                                 |
| COLORSTREAM          | 695640             | TM7133WO00                                 |
| COLORSTREAM          | 003323367          | TM7133EU00                                 |
| COLORSTREAM          | 398 18 704.5       | TM7133DE00                                 |
| COLORSTREAM          | 9807155            | TM7133HK01                                 |
| COLORSTREAM          | 812264             | TM7133IN00                                 |
| COLORSTREAM          | 376211             | TM7133IN01                                 |
| COLORSTREAM          | D98 14929          | TM7133ID01                                 |
| COLORSTREAM          | D9814925           | TM7133ID02                                 |
| COLORSTREAM          | D98 14926          | TM7133ID37                                 |
| COLORSTREAM          | D98 14927          | TM7133ID42                                 |
| COLORSTREAM          | 87029868           | TM7133TW01                                 |
| COLORSTREAM          | 369380             | TM7133TH01                                 |
| COLORSTREAM          | 369381             | TM7133TH02                                 |
| COLORSTREAM          | 11439              | TM7133TR00                                 |
| COLORSTREAM          | 99-0000153         | TM7133KR00                                 |
| COLORSTREAM          | 763708             | TM7133AU00                                 |
| COLORSTREAM          | 888606             | TM7133CA00                                 |
| COLORSTREAM          | 75/516371          | TM7133US00                                 |
| COLORSTREAM          | 9811418            | TM7133ZA01                                 |
| COLORSTREAM          | 9811419            | TM7133ZA02                                 |
| COLORSTREAM          | 9811420            | TM7133ZA37                                 |
| COLORSTREAM          | 9811421            | TM7133ZA42                                 |
| COLORSTREAM          | 521093             | TM7133CL00                                 |
| COLORSTREAM          | 67039              | TM7133MA00                                 |
| COLORSTREAM          | 821262270          | TM7133BR01                                 |
| COLORSTREAM          | 821262289          | TM7133BR02                                 |
| COLORSTREAM          | 2160529            | TM7133AR02                                 |
| COLORSTREAM          | 339460             | TM7133MX01                                 |
| COLORSTREAM          | 339461             | TM7133MX02                                 |
| COLORSTREAM          | 339462             | TM7133MX37                                 |
| COLORSTREAM          | 339463             | TM7133MX42                                 |
| COLORSTREAM          | 98/2877            | TM7133IE00                                 |
| COLORSTREAM          | 137647             | TM7133GR00                                 |
| COLORSTREAM          | 2483513            | TM7133ES00                                 |
| COLORSTREAM          | 11440              | TM7133TR01                                 |
| COLORSTREAM          | 98/10283           | TM7133MY02                                 |

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| COLORSTREAM              | S/5555/98          | TM7133SG01                                 |
| COLORSTREAM              | S/5556/98          | TM7133SG02                                 |
| COLORSTREAM              | S/5557/98          | TM7133SG37                                 |
| COLORSTREAM              | S/5558/98          | TM7133SG42                                 |
| COLORSTREAM              | 98639              | TM7133KR01                                 |
| COLORSTREAM              | 293049             | TM7133NZ01                                 |
| COLORSTREAM              | 120734             | TM7133IL01                                 |
| COLORSTREAM              | 120735             | TM7133IL02                                 |
| COLORSTREAM              | 120736             | TM7133IL37                                 |
| COLORSTREAM              | 120737             | TM7133IL42                                 |
| COLORSTREAM              | 6355               | TM7133KO00                                 |
| COLORSTREAM              | 065893             | TM7133PE02                                 |
| COLORSTREAM              | 11866-98           | TM7133VE02                                 |
| COLORSTREAM              | EE981024           | TM7133TN00                                 |
| COLORSTREAM              | 98037767           | TM7133CO02                                 |
| COLORSTREAM              | 89503              | TM7133EC02                                 |
| COLORSTREAM              | 85/510,402         | TM7133US02                                 |
| COLORSTREAM              | 4-2004-0002550     | TM7133PH01                                 |
| COLORSTREAM (KATA)       | 50261/1998         | TM7134JP00                                 |
| COLORSTREAM (KATA)       | 50261/1998         | TM7134JP01                                 |
| COLORSTREAM (with urdu)  | 150416             | TM7135PK02                                 |
| COLORSTREAM-LOGO         | 002338945          | TM7137EU00                                 |
| COLORSTREAM-LOGO         | 2001-53 230        | TM7137JP00                                 |
| COLORSTREAM-LOGO         | 301 13 230.5       | TM7137DE00                                 |
| COUGAR RED               | 016083842          | TM26176EU00                                |
| COUGAR RED               | 302016033572       | TM26176DE00                                |
| CSC                      | 302011061121.1     | TM24129DE00                                |
| DAYSHINE                 | 30 2010 006 418.8  | TM9030DE00                                 |
| DICHRONA                 | M54502/2WZ         | TM7786DE00                                 |
| DICHRONA                 | 74/16382           | TM7786TW00                                 |
| DICHRONA                 | 73/190,109         | TM7786US00                                 |
| DICHRONA (WITH KATAKANA) | 111038/1987        | TM9106JP00                                 |
| DISPLAYING FUTURES       | 1107427            | TM24027WO00                                |
| DISPLAYING FUTURES       | 010117786          | TM24027EU00                                |
| DREAMISTY                | 5111750            | TM9012CN02                                 |
| ECOENG                   | 302372229          | TM8923DE00                                 |
| ECTOIN (CYRILLIC)        | 2000731755         | TM6892RU00                                 |
| EFFECT PIGMENTS-LOGO 1   | 010768299          | TM24244EU02                                |
| EFFEXX                   | 3020110667500      | TM24148DE00                                |
| EMBLICA                  | 762849             | TM2946WO00                                 |
| EMBLICA                  | 301 03 562.8       | TM2946DE01                                 |
| EMBLICA                  | 824086066          | TM2946BR01                                 |
| EMBLICA                  | 76/288428          | TM2946US00                                 |
| EMBLICA                  | 90030252           | TM2946TW00                                 |
| EMBLICA                  | 40-2001-32072      | TM2946KR00                                 |
| EMBLICA                  | 150796             | TM2946IL01                                 |
| EMBLICA                  | 63541              | TM2946KO01                                 |
| EMBLICA                  | M75105/5WZ         | TM2946DE00                                 |
| EMBLICA-LOGO 1           | 003123007          | TM7272EU00                                 |
| EMBLICA-LOGO 1           | 302 28 063.4       | TM7272DE00                                 |
| EMBLICA-LOGO 1           | 1147316            | TM7272CA00                                 |
| EUSOLEX                  | 900883             | TM3506WO00                                 |
| EUSOLEX                  | 003327285          | TM3506EU00                                 |
| EUSOLEX                  | 306 11 582.4       | TM3506DE00                                 |
| EUSOLEX                  | 1436386            | TM3506IN00                                 |
| EUSOLEX                  | 772881             | TM3506MX03                                 |
| EUSOLEX                  | 95013055           | TM3506TW00                                 |
| EUSOLEX                  | 3 200 103 716      | TM3506OA00                                 |
| EUSOLEX                  | 2001 18570         | TM3506HK00                                 |
| EUSOLEX                  | 1059557            | TM3506IN01                                 |

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| EUSOLEX               | D00-2001.26325.26530 | TM3506ID01                                 |
| EUSOLEX               | 40-2001-50430        | TM3506KR00                                 |
| EUSOLEX               | 90046600             | TM3506TW01                                 |
| EUSOLEX               | 473169               | TM3506TH01                                 |
| EUSOLEX               | 551046               | TM3506CL00                                 |
| EUSOLEX               | 1102979              | TM3506CO01                                 |
| EUSOLEX               | 392882               | TM3506TN00                                 |
| EUSOLEX               | M11460/1WZ           | TM3506DE01                                 |
| EUSOLEX               | 266680               | TM3506AU00                                 |
| EUSOLEX               | 362,822              | TM3506CA00                                 |
| EUSOLEX               | 703369               | TM3506CN01                                 |
| EUSOLEX               | 761278               | TM3506AR01                                 |
| EUSOLEX               | 23.614/M-72          | TM3506BR01                                 |
| EUSOLEX               | 36436                | TM3506IL01                                 |
| EUSOLEX               | 4182/1972            | TM3506DK00                                 |
| EUSOLEX               | 1000905              | TM3506GB00                                 |
| EUSOLEX               | 5349/72              | TM3506FI00                                 |
| EUSOLEX               | 53126                | TM3506GR00                                 |
| EUSOLEX               | 180.609              | TM3506JP00                                 |
| EUSOLEX               | 229790               | TM3506MX01                                 |
| EUSOLEX               | 72/5465              | TM3506ZA01                                 |
| EUSOLEX               | 13,563               | TM3506US00                                 |
| EUSOLEX               | 112829               | TM3506NO00                                 |
| EUSOLEX               | 71548                | TM3506PL00                                 |
| EUSOLEX               | 73544                | TM3506TR00                                 |
| EUSOLEX               | 1708/79              | TM3506IE00                                 |
| EUSOLEX               | 6942-74              | TM3506VE00                                 |
| EUSOLEX               | 1293                 | TM3506EC01                                 |
| EUSOLEX               | 7205                 | TM3506KO01                                 |
| EUSOLEX               | 7109                 | TM3506KO03                                 |
| EUSOLEX               | 392882               | TM3506WO01                                 |
| EXPERIENCE INNOVATION | 009251539            | TM9162EU00                                 |
| EXPERIENCE INNOVATION | 2011-10224           | TM9162JP00                                 |
| EXPERIENCE INNOVATION | 100006647            | TM9162TW00                                 |
| EXPERIENCE INNOVATION | 85238611             | TM9162US00                                 |
| EXPERIENCE INNOVATION | 9116866              | TM9162CN09                                 |
| EXPERIENCE INNOVATION | 9116965              | TM9162CN35                                 |
| FLORADIN              | M72950/2WZ           | TM3982DE00                                 |
| FLORAPEARL            | 636248               | TM3986WO00                                 |
| FLORAPEARL            | 3405/95              | TM3986DK00                                 |
| FLORAPEARL            | 2023566              | TM3986GB00                                 |
| FLORAPEARL            | 2764/95              | TM3986FI00                                 |
| FLORAPEARL            | 5260-95              | TM3986SE00                                 |
| FLORAPEARL            | 661735               | TM3986AU00                                 |
| FLORAPEARL            | 307850               | TM3986CL00                                 |
| FLORAPEARL            | 236854               | TM3986MX02                                 |
| FLORAPEARL            | 95/06256             | TM3986ZA02                                 |
| FLORAPEARL            | 84063940             | TM3986TW00                                 |
| FLORAPEARL            | M72877/2WZ           | TM3986DE00                                 |
| FLORAPEARL            | 74/716,447           | TM3986US00                                 |
| FLORAPEARL            | 787433               | TM3986CA00                                 |
| GLITTER STAR-LOGO 1   | 5111751              | TM9013CN02                                 |
| GONIO-VISION-BOX      | 1002412              | TM4760WO00                                 |
| GONIO-VISION-BOX      | 30 2008 075 097.9    | TM4760DE00                                 |
| GONIO-VISION-BOX      | 77707268             | TM4760US00                                 |
| HIPERETCH             | 1412533              | TM3355IN00                                 |
| HIPERETCH             | 305 46 887.1         | TM3355DE00                                 |
| HIPERETCH             | 301496098            | TM3355HK01                                 |
| HIPERETCH             | 09021704             | TM3355MY01                                 |
| HIPERETCH             | 098055234            | TM3355TW01                                 |
| HIPERETCH             | T1112894F            | TM3355SG00                                 |
| HIPERINK              | 1 004 659            | TM4800WO00                                 |

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| HIPERINK       | 30 2008 079 137.3  | TM4800DE00                                 |
| HIPERINK       | 301339588          | TM4800HK00                                 |
| HIPERINK       | 1816257            | TM4800IN00                                 |
| HIPERINK       | 09007709           | TM4800MY01                                 |
| HIPERINK       | T1100567D          | TM4800SG00                                 |
| HIPERINK       | 098019471          | TM4800TW00                                 |
| HIPERSOLPH     | 1 018 251          | TM4902WO01                                 |
| HIPERSOLPH     | 30 2009 022 282.7  | TM4902DE00                                 |
| HIPERSOLPH     | 1873371            | TM4902IN01                                 |
| HIPERSOLPH     | 301449928          | TM4902HK01                                 |
| HIPERSOLPH     | 09017926           | TM4902MY01                                 |
| HIPERSOLPH     | 098045289          | TM4902TW01                                 |
| HIPERSOLPH     | T1112896B          | TM4902SG00                                 |
| HYDROINE       | 833600             | TM7784WO00                                 |
| HYDROINE       | 003972064          | TM7784EU00                                 |
| HYDROINE       | 304 06 660.5       | TM7784DE00                                 |
| IEFFECT        | 009135047          | TM9119EU00                                 |
| IEFFECT        | 85192093           | TM9119US00                                 |
| IEFFECT-LOGO 1 | 30 2010 029 126.5  | TM9117DE00                                 |
| INNODISPERS    | 30756817           | TM23996DE00                                |
| INNOLUBE       | 010185296          | TM9332EU00                                 |
| INNOLUBE       | 30 2011 008 279    | TM9332DE00                                 |
| INNOLUBE       | 85/391,892         | TM9332US00                                 |
| INNOSTAT       | 0101484448         | TM9330EU00                                 |
| IR3535         | 003332228          | TM4970EU00                                 |
| IR3535         | 663838             | TM4970WO00                                 |
| IR3535         | 004119319          | TM4970EU01                                 |
| IR3535         | 852 403            | TM4970WO01                                 |
| IR3535         | 721.350            | TM4970CL00                                 |
| IR3535         | 396 27 954.6       | TM4970DE00                                 |
| IR3535         | 131621             | TM4970GR00                                 |
| IR3535         | 203354             | TM4970IE00                                 |
| IR3535         | 19193              | TM4970TR00                                 |
| IR3535         | 2062062            | TM4970AR01                                 |
| IR3535         | 309/97             | TM4970HN01                                 |
| IR3535         | 283972             | TM4970MX01                                 |
| IR3535         | 75/219916          | TM4970US00                                 |
| IR3535         | 108838/1997        | TM4970JP00                                 |
| IR3535         | 537959             | TM4970IN00                                 |
| IR3535         | 85066529           | TM4970TW00                                 |
| IR3535         | 109290             | TM4970IL01                                 |
| IR3535         | 270866             | TM4970NZ00                                 |
| IR3535         | 819789305          | TM4970BR01                                 |
| IR3535         | 96/18034           | TM4970ZA01                                 |
| IR3535         | 364366             | TM4970CL01                                 |
| IR3535         | 4-1997-118143      | TM4970PH00                                 |
| IR3535         | 9705447            | TM4970GT01                                 |
| IR3535         | 154424             | TM4970CZ00                                 |
| IR3535         | 3394063            | TM4970CN03                                 |
| IR3535         | 3394062            | TM4970CN05                                 |
| IR3535         | POZ1917-2001       | TM4970SK00                                 |
| IR3535         | 304 68 381.7       | TM4970DE01                                 |
| IR3535         | 2.559.249          | TM4970AR05                                 |
| IR3535         | 826983987          | TM4970BR05                                 |
| IR3535         | 1251031            | TM4970CA01                                 |
| IR3535         | 22241-04           | TM4970HN05                                 |
| IR3535         | 176664             | TM4970IL05                                 |
| IR3535         | 2004-0009038       | TM4970CR05                                 |
| IR3535         | 93056359           | TM4970TW01                                 |
| IR3535         | 691292             | TM4970MX05                                 |
| IR3535         | 2004/22017         | TM4970ZA05                                 |
| IR3535         | 1323618            | TM4970IN01                                 |
| IR3535         | 2005-02777         | TM4970GT05                                 |
| IR3535         | 09016144           | TM4970MY01                                 |
| IR3535         | 09016142           | TM4970MY05                                 |
| IR3535         | 301580166          | TM4970HK00                                 |
| IR3535         | N/48555            | TM4970MO01                                 |
| IR3535         | N/48556            | TM4970MO05                                 |
| IR3535         | D00-2012-000104    | TM4970ID00                                 |
| IR3535         | T1118887F          | TM24172SG00                                |

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| IR3535                 | 7338               | TM4970KO01                                 |
| IR3535                 | 7207               | TM4970KO00                                 |
| IR3535                 | 1909/2012          | TM4970MM01                                 |
| IR3535                 | 1909/2012          | TM4970MM05                                 |
| IR3535                 | 42,565             | TM4970BN00                                 |
| IR3535                 | 44613              | TM4970KH00                                 |
| IR3535                 | 25641              | TM4970LA00                                 |
| IR3535                 | 722345             | TM4970NZ01                                 |
| IR3535                 | 25642              | TM4970LA01                                 |
| IR3535                 | 44614              | TM4970KH01                                 |
| IR3535                 | 13504              | TM4970CR01                                 |
| IR3535                 | 40-2016-0011271    | TM25525KR00                                |
| IR3535                 | 4-2008-006308      | TM4970PH01                                 |
| IR3535                 | [not available]    | TM4970CO01                                 |
| IR3535 (CHINESE)       | 2001090823         | TM7569CN01                                 |
| IR3535 (CHINESE)       | 3117127            | TM7569CN03                                 |
| IR3535 (CHINESE)       | 3117126            | TM7569CN05                                 |
| IR3535 (CHINESE)       | 3853633            | TM7569CN0501                               |
| IR3535-LOGO 1          | 004149795          | TM3052EU00                                 |
| IR3535-LOGO 1          | 016738148          | TM3052EU01                                 |
| IR3535-LOGO 1          | [not available]    | TM3052WO00                                 |
| IR3535-LOGO 1          | 361329             | TM3052TH05                                 |
| IR3535-LOGO 1          | 3429610            | TM3052AR01                                 |
| IR3535-LOGO 1          | 3429611            | TM3052AR05                                 |
| IR3535-LOGO 1          | IEPI-2017-36158    | TM3052EC00                                 |
| IR3535-LOGO 1          | [not available]    | TM3052HT00                                 |
| IR3535-LOGO 1          | 218992017          | TM3052HN00                                 |
| IR3535-LOGO 1          | 304144563          | TM3052HK00                                 |
| IR3535-LOGO 1          | D002017023121      | TM3052ID00                                 |
| IR3535-LOGO 1          | 74348              | TM3052IQ00                                 |
| IR3535-LOGO 1          | [not available]    | TM3052JO00                                 |
| IR3535-LOGO 1          | 179836             | TM3052LB00                                 |
| IR3535-LOGO 1          | 33074              | TM3052LY00                                 |
| IR3535-LOGO 1          | 2017058928         | TM3052MY00                                 |
| IR3535-LOGO 1          | [not available]    | TM3052NG00                                 |
| IR3535-LOGO 1          | 458643             | TM3052PK00                                 |
| IR3535-LOGO 1          | 705452             | TM3052PE00                                 |
| IR3535-LOGO 1          | 218915-01          | TM3052PR00                                 |
| IR3535-LOGO 1          | 1438019746         | TM3052SA00                                 |
| IR3535-LOGO 1          | 201713659          | TM3052ZA00                                 |
| IR3535-LOGO 1          | TZ/T/2017/1061     | TM3052TZ00                                 |
| IR3535-LOGO 1          | 170117798          | TM3052TH00                                 |
| IR3535-LOGO 1          | [not available]    | TM3052UG00                                 |
| IR3535-LOGO 1          | 273788             | TM3052AE00                                 |
| IR3535-LOGO 1          | 2017008254         | TM3052VE00                                 |
| IR3535-LOGO 1          | 302017012223       | TM3052DE00                                 |
| IR3535-LOGO 1          | [not available]    | TM3052BS00                                 |
| IR3535-LOGO 1          | 56319              | TM3052BM00                                 |
| IR3535-LOGO 1          | 002309-2017        | TM3052BO00                                 |
| IR3535-LOGO 1          | 912741597          | TM3052BR00                                 |
| IR3535-LOGO 1          | 1254457            | TM3052CL00                                 |
| IR3535-LOGO 1          | 2017004693         | TM3052CR00                                 |
| IR3535-LOGO 1          | 201718715          | TM3052DO00                                 |
| IR3535-LOGO 1          | 3201701540         | TM3052OA00                                 |
| IR3535-LOGO 1          | 40-2016-0011272    | TM3052KR00                                 |
| IR3535-LOGO 1 (arabic) | [not available]    | TM26423JO00                                |
| IR3535-LOGO 1 (arabic) | [not available]    | TM26423SA00                                |
| IR3535-LOGO 1 (arabic) | [not available]    | TM26423AE00                                |
| IR3535-LOGO 1 (arabic) | [not available]    | TM26423TN00                                |
| IR3535-LOGO 1 (arabic) | [not available]    | TM26423DZ00                                |
| IR3535-LOGO 1 (arabic) | [not available]    | TM26423BH00                                |
| IR3535-LOGO 1 (arabic) | [not available]    | TM26423EG00                                |
| IR3535-LOGO 1          | [not available]    | TM26423IL00                                |



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| (arabic)                 |                    |                                            |
| IR3535-LOGO 1 (chinese)  | 2017064507         | TM26417MY00                                |
| IR3535-LOGO 1 (chinese)  | [not available]    | TM26417CN00                                |
| IR3535-LOGO 1 (chinese)  | 40201721888Q       | TM26417SG00                                |
| IR3535-LOGO 1 (cyrillic) | [not available]    | TM26629RU00                                |
| IR88                     | 131622             | TM4971GR00                                 |
| IR88                     | 203353             | TM4971IE00                                 |
| IR88                     | 19194              | TM4971TR00                                 |
| IR88                     | 2062064            | TM4971AR01                                 |
| IR88                     | 308/97             | TM4971HN01                                 |
| IR88                     | 283973             | TM4971MX01                                 |
| IR88                     | 108837/1997        | TM4971JP00                                 |
| IR88                     | 270865             | TM4971NZ00                                 |
| IR88                     | 96/18035           | TM4971ZA01                                 |
| IR88                     | 819789291          | TM4971BR01                                 |
| IR88                     | 364365             | TM4971CL00                                 |
| IR88                     | 9705446            | TM4971GT01                                 |
| IR88                     | 236616             | TM4971CZ00                                 |
| IR88                     | 100055048          | TM4971TW01                                 |
| IR88                     | [not available]    | TM4971CO01                                 |
| IRIO                     | TO95C000706        | TM4973IT00                                 |
| IRIO                     | 395 15 163.5       | TM4973DE00                                 |
| IRIODIN                  | 186199             | TM4977WO00                                 |
| IRIODIN                  | 003011145          | TM4977EU00                                 |
| IRIODIN                  | 4-1999-08192       | TM4977PH01                                 |
| IRIODIN                  | 97/00454           | TM4977LS00                                 |
| IRIODIN                  | 2480-99            | TM4977GT02                                 |
| IRIODIN                  | 91-00641           | TM4977MY02                                 |
| IRIODIN                  | 97/0830            | TM4977NA02                                 |
| IRIODIN                  | 674                | TM4977BW00                                 |
| IRIODIN                  | M41714/1WZ         | TM4977DE00                                 |
| IRIODIN                  | 2463418            | TM4977AR02                                 |
| IRIODIN                  | A281255            | TM4977AU00                                 |
| IRIODIN                  | 13.823/M-74        | TM4977BR01                                 |
| IRIODIN                  | 8745               | TM4977CL00                                 |
| IRIODIN                  | 146694             | TM4977CO01                                 |
| IRIODIN                  | [not available]    | TM4977CN01                                 |
| IRIODIN                  | 28440              | TM4977BG00                                 |
| IRIODIN                  | 53125              | TM4977GR00                                 |
| IRIODIN                  | 73659              | TM4977PL00                                 |
| IRIODIN                  | 73550              | TM4977TR00                                 |
| IRIODIN                  | 4053/1972          | TM4977DK00                                 |
| IRIODIN                  | 1000563            | TM4977GB00                                 |
| IRIODIN                  | 5227/72            | TM4977FI00                                 |
| IRIODIN                  | 1956/79            | TM4977IE00                                 |
| IRIODIN                  | 112748             | TM4977NO00                                 |
| IRIODIN                  | 4614/72            | TM4977SE00                                 |
| IRIODIN                  | 655/1975           | TM4977HK00                                 |
| IRIODIN                  | 970/1974           | TM4977HK01                                 |
| IRIODIN                  | 68900              | TM4977IR00                                 |
| IRIODIN                  | 39674              | TM4977IL02                                 |
| IRIODIN                  | 113283/74          | TM4977JP00                                 |
| IRIODIN                  | 68408              | TM4977MX02                                 |
| IRIODIN                  | 5451               | TM4977KR00                                 |
| IRIODIN                  | 60955              | TM4977PK02                                 |
| IRIODIN                  | 193326             | TM4977PE01                                 |
| IRIODIN                  | 61540              | TM4977SG02                                 |
| IRIODIN                  | 108989             | TM4977NZ00                                 |
| IRIODIN                  | 74/4138            | TM4977ZA02                                 |
| IRIODIN                  | 63-18192           | TM4977TW00                                 |
| IRIODIN                  | 268215             | TM4977TH02                                 |
| IRIODIN                  | 7092-74            | TM4977VE01                                 |
| IRIODIN                  | 74787              | TM4977RU00                                 |
| IRIODIN                  | 427,896            | TM4977CA00                                 |
| IRIODIN                  | 464,110            | TM4977US00                                 |
| IRIODIN                  | 10347466           | TM24181CN00                                |

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| IRIODIN             | 7337                | TM4977KO01                                 |
| IRIODIN             | 2390120             | TM4977IN01                                 |
| IRIODIN             | 3729                | TM4977EC01                                 |
| IRIODIN             | 4-2011-006190       | TM4977PH02                                 |
| IRIODIN (CHINESE 1) | 960101672           | TM4978CN02                                 |
| IRIODIN (CHINESE 1) | 3050615             | TM4978CN01                                 |
| IRIODIN (CHINESE 1) | 3050614             | TM4978CN0201                               |
| IRIODIN (CHINESE 2) | 3050613             | TM7184CN01                                 |
| IRIODIN (CHINESE 2) | 3050612             | TM7184CN02                                 |
| IRIODIN (CYRILLIC)  | 83633/78            | TM4980RU00                                 |
| IRIODIN (KATAKANA)  | 113284/74           | TM4979JP00                                 |
| IRIODIN (Korean)    | 3356/85             | TM4979KR00                                 |
| IRIODIN PEARLETS    | 753913              | TM4983WO00                                 |
| IRIODIN PEARLETS    | 003323111           | TM4983EU00                                 |
| IRIODIN PEARLETS    | 868028              | TM4983AU00                                 |
| IRIODIN PEARLETS    | 996300              | TM4983IN00                                 |
| IRIODIN PEARLETS    | 201/4177            | TM4983ZA02                                 |
| IRIODIN PEARLETS    | 90007103            | TM4983TW00                                 |
| IRIODIN PEARLETS    | 2001-4279           | TM4983VE02                                 |
| IRIODIN PEARLETS    | 472639              | TM4983MX02                                 |
| IRIODIN PEARLETS    | 1015786             | TM4983CO02                                 |
| IRIODIN PEARLETS    | 823600025           | TM4983BR02                                 |
| IRIODIN PEARLETS    | 2328920             | TM4983AR02                                 |
| IRIODIN PEARLETS    | 300 40 271.6        | TM4983DE00                                 |
| IRIODIN PEARLETS    | 458116              | TM4983TH02                                 |
| IRIODIN PEARLETS    | D00-2001.04799-4025 | TM4983ID02                                 |
| IRIODIN PEARLETS    | 2001-03914          | TM4983MY02                                 |
| IRIODIN PEARLETS    | 76/213412           | TM4983US00                                 |
| IRIODIN PEARLPRINT  | 003323128           | TM4985EU00                                 |
| IRIODIN PEARLPRINT  | 75/435803           | TM4985US00                                 |
| IRIODIN-LOGO        | 2001-53 231         | TM4986JP00                                 |
| IRIODIN-LOGO        | 301 13 229.1        | TM4986DE00                                 |
| IRIODIN-LOGO        | 76/270011           | TM4986US01                                 |
| IRIOTEC             | 1 005 815           | TM4780WO00                                 |
| IRIOTEC             | 30 2008 077 332.4   | TM4780DE00                                 |
| IRIOTEC             | 1009372             | TM4780MX17                                 |
| IRIOTEC             | 1818956             | TM4780IN00                                 |
| IRIOTEC             | 09008036            | TM4780MY01                                 |
| IRIOTEC             | 09008037            | TM4780MY02                                 |
| IRIOTEC             | 09008035            | TM4780MY17                                 |
| IRIOTEC             | 098021132           | TM4780TW00                                 |
| IRIOTEC             | 77730857            | TM4780US00                                 |
| IRIOTEC             | 2.920.797           | TM4780AR01                                 |
| IRIOTEC             | 2.920.798           | TM4780AR02                                 |
| IRIOTEC             | 2.920.799           | TM4780AR17                                 |
| IRIOTEC             | 830306510           | TM4780BR01                                 |
| IRIOTEC             | 830306528           | TM4780BR02                                 |
| IRIOTEC             | 830306544           | TM4780BR17                                 |
| IRIOTEC             | 1440714             | TM4780CA00                                 |
| IRIOTEC             | 1009370             | TM4780MX01                                 |
| IRIOTEC             | 1009371             | TM4780MX02                                 |
| IRIOTEC (CYRILLIC)  | 2009710133          | TM8766RU00                                 |
| IRIOTEC (KATAKANA)  | 2010 - 028466       | TM9096JP00                                 |
| ISIBILT             | 30 2008 041 337.9   | TM4610DE00                                 |
| ISIPHOR             | 970 675             | TM4270WO00                                 |
| ISIPHOR             | 307 63 694.1        | TM4270DE00                                 |
| ISIPHOR             | 097010564           | TM4270TW00                                 |
| ISIPHOR             | 689860              | TM4270TH01                                 |
| ISIPHOR             | 689336              | TM4270TH09                                 |
| ISIPHOR             | 08004316            | TM4270MY01                                 |
| ISIPHOR             | 08004312            | TM4270MY11                                 |
| ISIPHOR             | 1386455             | TM4270CA00                                 |
| ISIPHOR             | 301066428           | TM4270HK00                                 |
| ISIPHOR             | 77417779            | TM4270US00                                 |
| ISIPHOR             | 1521770             | TM4270CA01                                 |

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| ISISHAPE                                 | 899 355              | TM3635WO00                                 |
| ISISHAPE                                 | 306 19 230.6         | TM3635DE00                                 |
| ISISHAPE                                 | 300664966            | TM3635HK00                                 |
| ISISHAPE                                 | 95032529             | TM3635TW00                                 |
| ISISHAPE                                 | 06010869             | TM3635MY01                                 |
| ISISHAPE                                 | 1777193              | TM3635IN00                                 |
| ISISHAPE<br>SOLARRESIST                  | 301601414            | TM9115HK00                                 |
| ISITAG                                   | 891132               | TM3531WO00                                 |
| ISITAG                                   | 95023284             | TM3531TW00                                 |
| ISITAG                                   | 300634590            | TM3531HK00                                 |
| ISITAG                                   | 305 71 573.9         | TM3531DE00                                 |
| ISITRON                                  | 893 481              | TM3528WO00                                 |
| ISITRON                                  | 300634608            | TM3528HK00                                 |
| ISITRON                                  | 95023285             | TM3528TW00                                 |
| ISITRON                                  | 305 71 579.8         | TM3528DE00                                 |
| ISOQ BIOMIX                              | 95015809             | TM3420TW00                                 |
| ISOQ BIOMIX                              | 1436389              | TM3420IN00                                 |
| LAZERFLAIR                               | 003546843            | TM7570EU00                                 |
| LAZERFLAIR                               | 816 183              | TM7570WO00                                 |
| LAZERFLAIR                               | 1197144              | TM7570CA00                                 |
| LAZERFLAIR                               | 2478639              | TM7570AR02                                 |
| LAZERFLAIR                               | 03104366             | TM7570CO02                                 |
| LAZERFLAIR                               | 1251069              | TM7570IN00                                 |
| LAZERFLAIR                               | D00-2003-33782-34129 | TM7570ID02                                 |
| LAZERFLAIR                               | 696036               | TM7570MX0201                               |
| LAZERFLAIR                               | 303 26 413.6         | TM7570DE00                                 |
| LAZERFLAIR                               | 168268               | TM7570IL02                                 |
| LAZERFLAIR                               | 92067449             | TM7570TW00                                 |
| LAZERFLAIR                               | 537981               | TM7570TH02                                 |
| LAZERFLAIR                               | 2003/20579           | TM7570ZA02                                 |
| LAZERFLAIR<br>(KATAKANA)                 | 2005-13 695          | TM3007JP00                                 |
| LC COMPETENCE<br>GLOBE-LOGO 1            | 920605               | TM3736WO00                                 |
| LC COMPETENCE<br>GLOBE-LOGO 1            | 306 29 400.1         | TM3736DE00                                 |
| LC COMPETENCE<br>GLOBE-LOGO 1            | 300652590            | TM3736HK00                                 |
| LC COMPETENCE<br>GLOBE-LOGO 1            | 95028454             | TM3736TW00                                 |
| LC COMPETENCE<br>GLOBE-LOGO 2            | 300742086            | TM3790HK00                                 |
| LC COMPETENCE<br>GLOBE-LOGO 2            | 95052551             | TM3790TW00                                 |
| LC COMPETENCE<br>GLOBE-LOGO 2            | 306 37 636.9         | TM3790DE00                                 |
| LC COMPETENCE<br>GLOBE-LOGO 3<br>VIBRANT | 016942872            | TM26406EU00                                |
| LC COMPETENCE<br>GLOBE-LOGO 3<br>VIBRANT | 302017016236         | TM26406DE00                                |
| LC COMPETENCE<br>GLOBE-LOGO 3<br>VIBRANT | [not available]      | TM26406WO00                                |
| LC COMPETENCE<br>GLOBE-LOGO 3<br>VIBRANT | [not available]      | TM26406TW00                                |
| LC COMPETENCE<br>GLOBE-LOGO 3<br>VIBRANT | 304362372            | TM26406HK00                                |
| LCT                                      | 875 972              | TM3309WO00                                 |
| LCT                                      | 305 39 240.9         | TM3309DE00                                 |
| LICRALIGN                                | 604983               | TM5154WO00                                 |
| LICRALIGN                                | 75202/1993           | TM5154JP00                                 |
| LICRALIGN                                | 2004-8945            | TM5154KR00                                 |
| LICRALIGN                                | 82036332             | TM5154TW00                                 |
| LICRALIGN                                | M72408/1WZ           | TM5154DE00                                 |
| LICRICODE                                | 875771               | TM3302WO00                                 |

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| LICRICODE                    | 305 38 159.8       | TM3302DE00                                 |
| LICRICODE                    | 185791             | TM3302IL01                                 |
| LICRICODE                    | 756204             | TM3302MX01                                 |
| LICRICODE                    | 2005/26619         | TM3302ZA01                                 |
| LICRICODE                    | 94059712           | TM3302TW00                                 |
| LICRICODE                    | 613224             | TM3302TH01                                 |
| LICRICODE                    | 2.638.734          | TM3302AR01                                 |
| LICRICODE                    | 828002681          | TM3302BR01                                 |
| LICRICODE                    | 05129666           | TM3302CO01                                 |
| LICRICODE                    | 1405084            | TM3302IN00                                 |
| LICRICRYPT                   | 875772             | TM3301WO00                                 |
| LICRICRYPT                   | 305 38 150.4       | TM3301DE00                                 |
| LICRICRYPT                   | 2.638.733          | TM3301AR01                                 |
| LICRICRYPT                   | 94059713           | TM3301TW00                                 |
| LICRICRYPT                   | 613223             | TM3301TH01                                 |
| LICRICRYPT                   | 828002665          | TM3301BR01                                 |
| LICRICRYPT                   | 2005/26620         | TM3301ZA01                                 |
| LICRICRYPT                   | 756205             | TM3301MX01                                 |
| LICRICRYPT                   | 185790             | TM3301IL01                                 |
| LICRICRYPT                   | 05128012           | TM3301CO01                                 |
| LICRICRYPT                   | 1405086            | TM3301IN00                                 |
| LICRILITE                    | 528201             | TM5156WO00                                 |
| LICRILITE                    | 768,514            | TM5156US00                                 |
| LICRILITE                    | 50-2009-14992      | TM5156KR00                                 |
| LICRILITE                    | M62123/1WZ         | TM5156DE00                                 |
| LICRILITE                    | 1356141            | TM5156GB00                                 |
| LICRILITE (WITH<br>KATAKANA) | 119501/1988        | TM5156JP00                                 |
| LICRIPOL                     | M72407/1WZ         | TM5157DE00                                 |
| LICRISTAL                    | 361127             | TM5159WO00                                 |
| LICRISTAL                    | 003131877          | TM5159EU00                                 |
| LICRISTAL                    | 300567982          | TM5159HK00                                 |
| LICRISTAL                    | 06000912           | TM5159MY01                                 |
| LICRISTAL                    | T06/01393A         | TM5159SG01                                 |
| LICRISTAL                    | 85-8751            | TM5159KR00                                 |
| LICRISTAL                    | 74/7458            | TM5159TW00                                 |
| LICRISTAL                    | 855814             | TM5159DE00                                 |
| LICRISTAL                    | M41712/1WZ         | TM5159DE01                                 |
| LICRISTAL                    | 4416               | TM5159SE00                                 |
| LICRISTAL                    | 101906/69          | TM5159JP00                                 |
| LICRISTAL                    | 30994              | TM5159IL01                                 |
| LICRISTAL                    | 382,282            | TM5159US00                                 |
| LICRISTAL                    | 427,897            | TM5159CA00                                 |
| LICRISTAL                    | [not available]    | TM5159CN00                                 |
| LICRISTAL                    | 7331               | TM5159KO01                                 |
| LICRISTAL<br>(KATAKANA)      | 1014491            | TM7655JP00                                 |
| LICRISTAL<br>(KOREAN)        | 85-9096            | TM5160KR00                                 |
| LICRISTAR                    | 396 27 942.2       | TM5163DE00                                 |
| LICRISTAR<br>(KATAKANA)      | 54458/1996         | TM4267JP00                                 |
| LICRIVISION                  | 013204102          | TM25046EU00                                |
| LICRIVISION                  | 1243821            | TM25046WO00                                |
| LICRIVISION                  | 46333              | TM25046BN00                                |
| LICRIVISION                  | 3392567            | TM25046AR01                                |
| LICRIVISION                  | 3392568            | TM25046AR12                                |
| LICRIVISION                  | 3392569            | TM25046AR17                                |
| LICRIVISION                  | 3392570            | TM25046AR19                                |
| LICRIVISION                  | 909036209          | TM25046BR12                                |
| LICRIVISION                  | 909036217          | TM25046BR17                                |
| LICRIVISION                  | 909036233          | TM25046BR19                                |
| LICRIVISION                  | 909036195          | TM25046BR01                                |
| LICRIVISION                  | 1715557            | TM25046CA00                                |
| LICRIVISION                  | 303309282          | TM25046HK00                                |
| LICRIVISION                  | 227465             | TM25046AE01                                |
| LICRIVISION                  | 227466             | TM25046AE12                                |
| LICRIVISION                  | 227467             | TM25046AE17                                |
| LICRIVISION                  | 227468             | TM25046AE19                                |
| LICRIVISION                  | 95195              | TM25046QA01                                |

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| LICRIVISION    | 95196              | TM25046QA12                                |
| LICRIVISION    | 95197              | TM25046QA17                                |
| LICRIVISION    | 95198              | TM25046QA19                                |
| LICRIVISION    | 2015001957         | TM25046MY01                                |
| LICRIVISION    | 2015001954         | TM25046MY12                                |
| LICRIVISION    | 2015001955         | TM25046MY17                                |
| LICRIVISION    | 2015001959         | TM25046MY19                                |
| LICRIVISION    | 1436010675         | TM25046SA01                                |
| LICRIVISION    | 1436010676         | TM25046SA12                                |
| LICRIVISION    | 1436010677         | TM25046SA17                                |
| LICRIVISION    | 1436010678         | TM25046SA19                                |
| LICRIVISION    | 2015/04169         | TM25046ZA01                                |
| LICRIVISION    | 2015/04170         | TM25046ZA12                                |
| LICRIVISION    | 2015/04171         | TM25046ZA17                                |
| LICRIVISION    | 2015/04172         | TM25046ZA19                                |
| LICRIVISION    | 975835             | TM25046TH01                                |
| LICRIVISION    | 975836             | TM25046TH12                                |
| LICRIVISION    | 302014058340       | TM25046DE00                                |
| LICRIVISION    | 86378228           | TM25046US00                                |
| LICRIVISION    | 975837             | TM25046TH17                                |
| LICRIVISION    | 975838             | TM25046TH19                                |
| LICRIVISION    | 104010066          | TM25046TW00                                |
| LICRIVISION    | 164514             | TM25046KW01                                |
| LICRIVISION    | 164515             | TM25046KW12                                |
| LICRIVISION    | 164516             | TM25046KW17                                |
| LICRIVISION    | 164517             | TM25046KW19                                |
| LICRIVUE       | 893480             | TM3529WO00                                 |
| LICRIVUE       | 95023288           | TM3529TW00                                 |
| LICRIVUE       | 305 71 571.2       | TM3529DE00                                 |
| LICRIVUE       | 300634626          | TM3529HK00                                 |
| LI-MOTION      | 891 220            | TM3556WO00                                 |
| LI-MOTION      | 95021422           | TM3556TW00                                 |
| LI-MOTION      | 300628722          | TM3556HK00                                 |
| LI-MOTION      | 305 72 539.4       | TM3556DE00                                 |
| LIQRISTAL      | 948981             | TM5177GB00                                 |
| LIQUICOAT      | 003131844          | TM5181EU00                                 |
| LIQUI-COAT     | 1146281            | TM5179GB00                                 |
| LISICON        | 891 135            | TM3530WO00                                 |
| LISICON        | 95023289           | TM3530TW00                                 |
| LISICON        | 305 71 572.0       | TM3530DE00                                 |
| LISICON        | 300641844          | TM3530HK00                                 |
| LISICON        | 08 3 588 334       | TM3530FR00                                 |
| LISICON        | 1163243            | TM3530BX00                                 |
| LISICON        | 2493149            | TM3530GB00                                 |
| LISIFLEX       | 1051707            | TM8878WO00                                 |
| LISIFLEX       | 30 2009 050 118.1  | TM8878DE00                                 |
| LISIFLEX       | 099007737          | TM8878TW00                                 |
| LISIFLEX       | 87450450           | TM8878US01                                 |
| LIVILUX        | 894 269            | TM3554WO00                                 |
| LIVILUX        | 06006937           | TM3554MY01                                 |
| LIVILUX        | 06006936           | TM3554MY09                                 |
| LIVILUX        | 06006935           | TM3554MY17                                 |
| LIVILUX        | 95021424           | TM3554TW00                                 |
| LIVILUX        | 300628731          | TM3554HK00                                 |
| LIVILUX        | 305 72 540.8       | TM3554DE00                                 |
| LIVING SPARKLE | 010293827          | TM24098EU00                                |
| LIVING SPARKLE | 010293827 01       | TM24098WO00                                |
| LIVING SPARKLE | 85/558,270         | TM24098US00                                |
| LIVION         | 010115335          | TM3527EU00                                 |
| LIVION         | 1090988            | TM3527WO00                                 |
| LIVION         | 305 71 577.1       | TM3527DE00                                 |
| LIVION         | 30 2011 006 423.7  | TM3527DE01                                 |
| LIVION         | 85368694           | TM3527US00                                 |
| LIVION         | 100036384          | TM3527TW00                                 |
| LIVOLUTION     | 011964756          | TM24696EU00                                |
| LIVOLUTION     | 1188760            | TM24696WO00                                |
| LIVOLUTION     | 302827044          | TM24696HK00                                |
| LIVOLUTION     | 302013023165       | TM24696DE00                                |
| LUMIXIR        | 017081118          | TM26418EU00                                |
| LUMIXIR        | [not available]    | TM26418WO00                                |

| Trademark                         | Application number | Case number according to internal database |
|-----------------------------------|--------------------|--------------------------------------------|
| LUMIXIR                           | 213591             | TM26418BD00                                |
| LUMIXIR                           | [not available]    | TM26418MY00                                |
| LUMIXIR                           | 302017019564       | TM26418DE00                                |
| LUMIXIR                           | 170130361          | TM26418TH00                                |
| LUMIXIR                           | 913188131          | TM26418BR00                                |
| LUMIXIR                           | D002017038131      | TM26418ID00                                |
| LUMIXIR                           | 1438025051         | TM26418SA00                                |
| LUMIXIR                           | 1851429            | TM26418CA00                                |
| LUMIXIR                           | 106049690          | TM26418TW00                                |
| LUMIXIR                           | 3631942            | TM26418AR00                                |
| LUREMIN                           | 1 005 938          | TM4747WO00                                 |
| LUREMIN                           | 830235108          | TM4747BR03                                 |
| LUREMIN                           | 09.043.735         | TM4747CO03                                 |
| LUREMIN                           | 77730821           | TM4747US00                                 |
| LUREMIN                           | 30 2008 069 982.5  | TM4747DE00                                 |
| LUTEOSKIN                         | 303 56 395.8       | TM7714DE00                                 |
| LUVAMINE                          | 928206             | TM3984WO00                                 |
| MAGPREP                           | 75/391,195         | TM5252US01                                 |
| MAGPREP                           | 7329               | TM5252KO01                                 |
| MCSC                              | 302011061118.1     | TM24128DE00                                |
| MEOXAL                            | 880 605            | TM3377WO00                                 |
| MEOXAL                            | 300574632          | TM3377HK00                                 |
| MEOXAL                            | 06001523           | TM3377MY02                                 |
| MEOXAL                            | 105345             | TM3377LB00                                 |
| MEOXAL                            | 218371             | TM3377PK02                                 |
| MEOXAL                            | 95005315           | TM3377TW00                                 |
| MEOXAL                            | 616911             | TM3377TH02                                 |
| MEOXAL                            | 83832              | TM3377JO02                                 |
| MEOXAL                            | 77385              | TM3377AE02                                 |
| MEOXAL                            | TP109242/06        | TM3377NG02                                 |
| MEOXAL                            | 828132950          | TM3377BR02                                 |
| MEOXAL                            | 06012467           | TM3377CO02                                 |
| MEOXAL                            | 718.012            | TM3377CL00                                 |
| MEOXAL                            | 186986             | TM3377IL02                                 |
| MEOXAL                            | 305 49 429.5       | TM3377DE00                                 |
| MEOXAL                            | 85796016           | TM24642US00                                |
| MEOXAL                            | 3585026            | TM3377AR00                                 |
| MEOXAL                            | 742120             | TM3377NZ00                                 |
| MEOXAL                            | 167186             | TM3377EC02                                 |
| MEOXAL                            | 763386             | TM3377MX02                                 |
| MEOXAL                            | D00-2006-004571    | TM3377ID02                                 |
| MEOXAL                            | 102922             | TM3377SA02                                 |
| MEOXAL                            | 1546-2006          | TM3377PY02                                 |
| MEOXAL                            | 369.518            | TM3377UY00                                 |
| MEOXAL                            | 2006-001682        | TM3377VE02                                 |
| MEOXAL                            | 2006-00684         | TM3377GT02                                 |
| MEOXAL                            | 2006/01995         | TM3377ZA02                                 |
| MEOXAL                            | 1417717            | TM3377IN00                                 |
| MEOXAL                            | 268104             | TM3377PE02                                 |
| MEOXAL                            | E-55485-206        | TM3377SV02                                 |
| MEOXAL                            | SM-0384-06         | TM3377BO02                                 |
| MEOXAL                            | 1568697            | TM3377CA01                                 |
| MEOXAL (KATAKANA)                 | 2010-79396         | TM9244JP02                                 |
| MERCK - WORKING WITH SUNSHINE     | 30 2010 011 284.0  | TM9062DE00                                 |
| MERCK COLOR SPACE CONCEPT         | 30 2011 061 120.3  | TM24127DE00                                |
| MERCK IN SIGHT                    | 843 343            | TM8693WO00                                 |
| MERCK MAKES COMMUNICATION VISIBLE | 825828             | TM7750WO00                                 |
| MERCK MAKES COMMUNICATION VISIBLE | 003776069          | TM7750EU00                                 |
| MERCK MAKES COMMUNICATION VISIBLE | 303 60 908.7       | TM7750DE00                                 |
| MERCK MAKES COMMUNICATION         | 300201824          | TM7750HK00                                 |

**Annex 28.2.a**  
Intangible Assets Performance Materials

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Trademark                   | Application number   | Case number according to internal database |
|-----------------------------|----------------------|--------------------------------------------|
| VISIBLE                     |                      |                                            |
| MERCK: BRILLIANCE IN SIGHT! | 305 74 549.2         | TM3546DE00                                 |
| MICABS                      | 799311               | TM8871WO00                                 |
| MICABS                      | 1023061              | TM8871BX00                                 |
| MICARE                      | 1179157              | TM7419CA00                                 |
| MICRONASPHERE               | 571929               | TM5464WO00                                 |
| MICRONASPHERE               | M69243/2WZ           | TM5464DE00                                 |
| MICRONASPHERE               | 01351/91             | TM5464DK00                                 |
| MICRONASPHERE               | 80010158             | TM5464TW00                                 |
| MICRONASPHERE               | 113161               | TM5464MX02                                 |
| MICRONASPHERE               | 68707000             | TM5464CA00                                 |
| MINATEC                     | 003340437            | TM5477EU00                                 |
| MINATEC                     | 569445               | TM5477WO00                                 |
| MINATEC                     | 2056983              | TM5477GB00                                 |
| MINATEC                     | M67735/2WZ           | TM5477DE00                                 |
| MINATEC                     | 255695               | TM5477MX02                                 |
| MINATEC                     | 95/16935             | TM5477ZA02                                 |
| MINATEC                     | 91-8315              | TM5477KR00                                 |
| MINATEC                     | 80014188             | TM5477TW00                                 |
| MINATEC                     | 34950/1991           | TM5477JP00                                 |
| MINATEC                     | 692371               | TM5477IN00                                 |
| MINATEC                     | 74-186,862           | TM5477US00                                 |
| MINATEC                     | 819229644            | TM5477BR02                                 |
| MINATEC (KATAKANA)          | 2005-13 696          | TM3008JP00                                 |
| MIRAVAl                     | 819345               | TM7613WO00                                 |
| MIRAVAl                     | 003617991            | TM7613EU00                                 |
| MIRAVAl                     | 303 40 212.1         | TM7613DE00                                 |
| MIRAVAl                     | 2.493.147            | TM7613AR01                                 |
| MIRAVAl                     | 826236898            | TM7613BR01                                 |
| MIRAVAl                     | 1203763              | TM7613CA00                                 |
| MIRAVAl                     | 04009194             | TM7613CO01                                 |
| MIRAVAl                     | 1262143              | TM7613IN00                                 |
| MIRAVAl                     | D00-2004-01758-01772 | TM7613ID01                                 |
| MIRAVAl                     | 169906               | TM7613IL01                                 |
| MIRAVAl                     | 638341               | TM7613MX01                                 |
| MIRAVAl                     | 2004/00704           | TM7613ZA01                                 |
| MIRAVAl                     | 543128               | TM7613TH01                                 |
| MIRAVAl                     | 543376               | TM7613TH02                                 |
| MIRAVAl                     | 93002784             | TM7613TW00                                 |
| MIRAVAl                     | 2.493.148            | TM7613AR02                                 |
| MIRAVAl                     | 826236910            | TM7613BR02                                 |
| MIRAVAl                     | 04009195             | TM7613CO02                                 |
| MIRAVAl                     | D00-2004-01757-01771 | TM7613ID02                                 |
| MIRAVAl                     | 638342               | TM7613MX02                                 |
| MIRAVAl                     | 2004/00705           | TM7613ZA02                                 |
| MIRAVAl (KATAKANA)          | 2004-106 427         | TM1929JP00                                 |
| MIRAVAl PEARLETS            | 824164               | TM7717WO00                                 |
| MIRAVAl PEARLETS            | 003737368            | TM7717EU00                                 |
| MIRAVAl PEARLETS            | 303 56 683.3         | TM7717DE00                                 |
| MIRAVAl PEARLETS            | 2504567              | TM7717AR02                                 |
| MIRAVAl PEARLETS            | 826359540            | TM7717BR02                                 |
| MIRAVAl PEARLETS            | 1211744              | TM7717CA00                                 |
| MIRAVAl PEARLETS            | 04032134             | TM7717CO02                                 |
| MIRAVAl PEARLETS            | 650086               | TM7717MX02                                 |
| MIRAVAl PEARLETS            | 2004/04991           | TM7717ZA02                                 |
| MIRAVAl PEARLETS            | 1275846              | TM7717IN00                                 |
| MIRAVAl PEARLETS            | D00-2004-09278.09347 | TM7717ID02                                 |
| MIRAVAl PEARLETS            | 93014281             | TM7717TW00                                 |
| MIRAVAl PEARLETS            | 549626               | TM7717TH02                                 |
| MIRAVAl PEARLETS            | 171342               | TM7717IL02                                 |
| NAILSYN                     | 250/76               | TM5562IE00                                 |
| NAILSYN                     | 5398/1976            | TM5562JP00                                 |
| NAILSYN                     | 1058271              | TM5562GB00                                 |
| NAILSYN                     | 303,634              | TM5562AU00                                 |

| Trademark              | Application number | Case number according to internal database |
|------------------------|--------------------|--------------------------------------------|
| NAILSYN                | 397646             | TM5562CA00                                 |
| NANOFLAIR              | 829608893          | TM4232BR01                                 |
| NANOFLAIR              | 829608907          | TM4232BR02                                 |
| OPTIPUR                | 369974             | TM5770WO00                                 |
| OPTIPUR                | 003332467          | TM5770EU00                                 |
| OPTIPUR                | 876045             | TM5770WO01                                 |
| OPTIPUR                | 89050266           | TM5770TW00                                 |
| OPTIPUR                | 165747             | TM5770PK01                                 |
| OPTIPUR                | 85-8746            | TM5770KR00                                 |
| OPTIPUR                | M41713/1WZ         | TM5770DE00                                 |
| OPTIPUR                | [not available]    | TM5770CN01                                 |
| OPTIPUR                | 240,073            | TM5770AU00                                 |
| OPTIPUR                | 007172826          | TM5770BR01                                 |
| OPTIPUR                | 961520             | TM5770GB00                                 |
| OPTIPUR                | 66046/70           | TM5770JP00                                 |
| OPTIPUR                | 103997             | TM5770NO00                                 |
| OPTIPUR                | 351035             | TM5770IN00                                 |
| OPTIPUR                | 70-2659            | TM5770SE00                                 |
| OPTIPUR                | 380504             | TM5770US00                                 |
| OPTIPUR                | 305 43 045.9       | TM5770DE01                                 |
| OPTIPUR                | 827993528          | TM5770BR0101                               |
| OPTIPUR                | 05020201           | TM5770MY01                                 |
| OPTIPUR                | 215905             | TM5770PK0101                               |
| OPTIPUR                | 753638             | TM5770MX01                                 |
| OPTIPUR                | 1404440            | TM5770IN01                                 |
| OPTIPUR                | 300539316          | TM5770HK00                                 |
| OPTIPUR                | 185714             | TM5770IL01                                 |
| OPTIPUR                | 611697             | TM5770TH01                                 |
| OPTIPUR                | 75681              | TM5770AE01                                 |
| OPTIPUR                | 4-2005-011744      | TM5770PH00                                 |
| OPTIPUR                | 2005/25722         | TM5770ZA01                                 |
| OPTIPUR                | 7357               | TM5770KO01                                 |
| OPTIPUR                | 1284523            | TM5770CA00                                 |
| ORMET                  | 4-296911           | TM26300JP00                                |
| PAPERWHITE             | 77882/1994         | TM5847JP00                                 |
| PAPERWHITE             | 94-30634           | TM5847KR00                                 |
| PAPERWHITE             | 302013011794.8/09  | TM5847DE00                                 |
| PATINAL                | 345023             | TM5859WO00                                 |
| PATINAL                | 003332525          | TM5859EU00                                 |
| PATINAL                | 1980681            | TM5859ES00                                 |
| PATINAL                | 85-8747            | TM5859KR00                                 |
| PATINAL                | 74/7467            | TM5859TW00                                 |
| PATINAL                | 1102878            | TM5859IN00                                 |
| PATINAL                | 486659             | TM5859TH01                                 |
| PATINAL                | 2002-04529         | TM5859MY01                                 |
| PATINAL                | 4-2002-03352       | TM5859PH00                                 |
| PATINAL                | M627/1WZ           | TM5859DE00                                 |
| PATINAL                | 2383966            | TM5859AR01                                 |
| PATINAL                | 857554             | TM5859BR01                                 |
| PATINAL                | 2733/68            | TM5859DK00                                 |
| PATINAL                | 928250             | TM5859GB00                                 |
| PATINAL                | 57087              | TM5859IR00                                 |
| PATINAL                | 52488/68           | TM5859JP00                                 |
| PATINAL                | 22172              | TM5859MX01                                 |
| PATINAL                | 68-2944            | TM5859SE00                                 |
| PATINAL                | 312,157            | TM5859US00                                 |
| PATINAL                | 427898             | TM5859CA00                                 |
| PATINAL                | [not available]    | TM5859CN01                                 |
| PATINAL                | 2009-049622        | TM5859JP02                                 |
| PATINAL                | 7353               | TM5859KO01                                 |
| PATINAL (KATAKANA)     | 51471/71           | TM5859JP01                                 |
| PEARL-GLAZE (KATAKANA) | 2009-072931        | TM5861JP01                                 |
| PERFORMING EFFECTS     | A 05363 /15        | TM25201WO00                                |
| PERFORMING EFFECTS     | 013802087          | TM25201EU00                                |
| PERFORMING EFFECTS     | 302015030658       | TM25201DE00                                |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Trademark                        | Application number   | Case number according to internal database |
|----------------------------------|----------------------|--------------------------------------------|
| EFFECTS                          |                      |                                            |
| PERFORMING EFFECTS               | 86726527             | TM25201US00                                |
| PERFORMING EFFECTS               | 909873062            | TM25201BR01                                |
| PERFORMING EFFECTS               | 909873100            | TM25201BR02                                |
| PHOTO-REX                        | 055293               | TM5891WO00                                 |
| PHOTO-REX                        | M28957/1WZ           | TM5891DE00                                 |
| PHOTO-REX                        | 7350                 | TM5891KO01                                 |
| PIGMENTE-LOGO                    | 765119               | TM5895WO00                                 |
| PIGMENTE-LOGO                    | 003382025            | TM5895EU00                                 |
| PIGMENTE-LOGO                    | 301 13 227.5         | TM5895DE00                                 |
| PIGMENTE-LOGO                    | 823775631            | TM5895BR01                                 |
| PIGMENTE-LOGO                    | 823775640            | TM5895BR02                                 |
| PIGMENTE-LOGO                    | 1037418              | TM5895IN00                                 |
| PIGMENTE-LOGO                    | 1037417              | TM5895IN01                                 |
| PIGMENTE-LOGO                    | D00-2001-18402-18531 | TM5895ID01                                 |
| PIGMENTE-LOGO                    | D00-2001-18403-18532 | TM5895ID02                                 |
| PIGMENTE-LOGO                    | 151536               | TM5895IL01                                 |
| PIGMENTE-LOGO                    | 151537               | TM5895IL02                                 |
| PIGMENTE-LOGO                    | 151538               | TM5895IL37                                 |
| PIGMENTE-LOGO                    | 151539               | TM5895IL42                                 |
| PIGMENTE-LOGO                    | 45-2001-2957         | TM5895KR00                                 |
| PIGMENTE-LOGO                    | 1112836              | TM5895CA00                                 |
| PIGMENTE-LOGO                    | 1070939              | TM5895CO01                                 |
| PIGMENTE-LOGO                    | 1070940              | TM5895CO02                                 |
| PIGMENTE-LOGO                    | 501169               | TM5895MX01                                 |
| PIGMENTE-LOGO                    | 501170               | TM5895MX02                                 |
| PIGMENTE-LOGO                    | 2001/14005           | TM5895ZA01                                 |
| PIGMENTE-LOGO                    | 2001/14006           | TM5895ZA02                                 |
| PIGMENTE-LOGO                    | 2001/14007           | TM5895ZA37                                 |
| PIGMENTE-LOGO                    | 90034297             | TM5895TW00                                 |
| PIGMENTE-LOGO                    | 90034296             | TM5895TW01                                 |
| PIGMENTE-LOGO                    | 464330               | TM5895TH01                                 |
| PIGMENTE-LOGO                    | 464331               | TM5895TH02                                 |
| PIGMENTE-LOGO                    | 223363               | TM5895IE00                                 |
| PIGMENTE-LOGO                    | 1038274              | TM5895IN04                                 |
| PIGMENTE-LOGO                    | 76/270007            | TM5895US00                                 |
| PIGMENTE-LOGO                    | 803020               | TM5895TH00                                 |
| PIGMENTE-LOGO                    | 2349159              | TM5895AR01                                 |
| PIGMENTE-LOGO                    | 2349160              | TM5895AR02                                 |
| PIGMENTE-LOGO                    | 2001-53 227          | TM5895JP00                                 |
| PIGMENTE-LOGO                    | 501171               | TM5895MX37                                 |
| PIGMENTE-LOGO                    | 2001/14008           | TM5895ZA42                                 |
| PIGMENTS-LOGO                    | 301 13 228.3         | TM5896DE00                                 |
| PIGMENTS-LOGO                    | 544989               | TM5896IN00                                 |
| PIGMENTS-LOGO                    | 547278               | TM5896IN01                                 |
| PIGMENTS-LOGO                    | 1037419              | TM5896IN02                                 |
| PIGMENTS-LOGO                    | D00-2001-18407-18536 | TM5896ID01                                 |
| PIGMENTS-LOGO                    | D00-2001-18406-18535 | TM5896ID02                                 |
| PIGMENTS-LOGO                    | 151540               | TM5896IL01                                 |
| PIGMENTS-LOGO                    | 151541               | TM5896IL02                                 |
| PIGMENTS-LOGO                    | 90034293             | TM5896TW00                                 |
| PIGMENTS-LOGO                    | 90034292             | TM5896TW01                                 |
| PIGMENTS-LOGO                    | 464326               | TM5896TH01                                 |
| PIGMENTS-LOGO                    | 464327               | TM5896TH02                                 |
| PIGMENTS-LOGO                    | 2349155              | TM5896AR01                                 |
| PIGMENTS-LOGO                    | 824099060            | TM5896BR01                                 |
| PIGMENTS-LOGO                    | 1070936              | TM5896CO01                                 |
| PIGMENTS-LOGO                    | 501166               | TM5896MX01                                 |
| PIGMENTS-LOGO                    | 3471580              | TM5896AR00                                 |
| PIGMENTS-LOGO                    | 2001/14009           | TM5896ZA01                                 |
| PIGMENTS-LOGO                    | 2001/14010           | TM5896ZA02                                 |
| PIGMENTS-LOGO (Application 2011) | 803019               | TM5896TH00                                 |

| Trademark                                            | Application number | Case number according to internal database |
|------------------------------------------------------|--------------------|--------------------------------------------|
| PIGMENTS-LOGO (Class 37 und 42 in 2013 not extended) | 45-2001-2958       | TM5896KR00                                 |
| PIGMENTS-LOGO (Class 37 und 42 nicht verlängern)     | 765430             | TM5896WO00                                 |
| PIGMENTS-LOGO (Class 37 and 42 not to be extended)   | 223362             | TM5896IE00                                 |
| PIGMENTS-LOGO (Class 37 and 42 not to be extended)   | 2001-53 228        | TM5896JP00                                 |
| PIGMENTS-LOGO (not to be extended)                   | 824099117          | TM5896BR37                                 |
| PIGMENTS-LOGO (not to be extended)                   | 151542             | TM5896IL37                                 |
| PIGMENTS-LOGO (not to be extended)                   | 501173             | TM5896MX37                                 |
| PIGMENTS-LOGO (not to be extended)                   | 501167             | TM5896MX42                                 |
| PIGMENTS-LOGO (not to be extended)                   | 151543             | TM5896IL42                                 |
| PIGMENTS-LOGO (not to be extended)                   | 2001/14011         | TM5896ZA37                                 |
| PIGMENTS-LOGO (not to be extended)                   | 2001/14012         | TM5896ZA42                                 |
| POLARAL                                              | 1286663            | TM25379WO01                                |
| POLARAL                                              | 104063572          | TM25379TW01                                |
| POLARAL                                              | 86798944           | TM25379US01                                |
| POLARAL                                              | 302015038212       | TM25379DE00                                |
| PRISTINE BRIGHT                                      | 011782943          | TM24731EU00                                |
| PRISTINE BRIGHT                                      | 85918871           | TM24731US00                                |
| PROSTAK                                              | [not available]    | TM26628LL00                                |
| PROTALIC                                             | 399 79 424.7       | TM5963DE00                                 |
| PYRISMA                                              | 891 996            | TM3514WO00                                 |
| PYRISMA                                              | 746170             | TM3514NZ00                                 |
| PYRISMA                                              | 160357             | TM3514NG02                                 |
| PYRISMA                                              | 2006/08046         | TM3514ZA02                                 |
| PYRISMA                                              | 106259             | TM3514LB00                                 |
| PYRISMA                                              | 06005746           | TM3514MY02                                 |
| PYRISMA                                              | 220684             | TM3514PK02                                 |
| PYRISMA                                              | 4-2006-003924      | TM3514PH00                                 |
| PYRISMA                                              | 105120             | TM3514SA02                                 |
| PYRISMA                                              | 95017660           | TM3514TW00                                 |
| PYRISMA                                              | 623754             | TM3514TH02                                 |
| PYRISMA                                              | 79535              | TM3514AE02                                 |
| PYRISMA                                              | 305 65 175.7       | TM3514DE00                                 |
| PYRISMA                                              | 2.663.214          | TM3514AR02                                 |
| PYRISMA                                              | 1293-06            | TM3514BO02                                 |
| PYRISMA                                              | 828330590          | TM3514BR02                                 |
| PYRISMA                                              | 1297146            | TM3514CA00                                 |
| PYRISMA                                              | 726.064            | TM3514CL00                                 |
| PYRISMA                                              | 06037171           | TM3514CO02                                 |
| PYRISMA                                              | 169883             | TM3514EC02                                 |
| PYRISMA                                              | E-57023-2006       | TM3514SV02                                 |
| PYRISMA                                              | 2006-02935         | TM3514GT02                                 |
| PYRISMA                                              | 777545             | TM3514MX02                                 |
| PYRISMA                                              | 9224-2006          | TM3514PY02                                 |
| PYRISMA                                              | 274823             | TM3514PE02                                 |
| PYRISMA                                              | 370.673            | TM3514UY00                                 |
| PYRISMA                                              | 2006-007729        | TM3514VE02                                 |
| PYRISMA                                              | 300615924          | TM3514HK00                                 |
| PYRISMA                                              | 1443784            | TM3514IN00                                 |
| PYRISMA                                              | 189245             | TM3514IL02                                 |
| PYRISMA                                              | 85303              | TM3514JO02                                 |
| PYRISMA (KATAKANA)                                   | 2006-52 500        | TM3785JP00                                 |
| PYRISMA COLOR SPACE                                  | 302011066875.2     | TM24156DE00                                |
| PYRISMA COLOR SPACE                                  | 10622043           | TM24156CN02                                |

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| PYRISMA COLOR SPACE       | 10622042           | TM24156CN35                                |
| PYRISMA COLOR SPACE       | 10622041           | TM24156CN42                                |
| RENOUMER                  | [not available]    | TM26045EU01                                |
| RENOUMER                  | 1319697            | TM26045WO00                                |
| RENOUMER                  | 302016018862       | TM26045DE01                                |
| RONA                      | 003336245          | TM6078EU00                                 |
| RONA                      | 3604158            | TM6078CN02                                 |
| RONA                      | 74/464,400         | TM6078US00                                 |
| RONA                      | 811,401            | TM6078CA00                                 |
| RONA                      | 760358             | TM6078AU00                                 |
| RONA                      | 98-17747           | TM6078KR00                                 |
| RONA                      | 87042537           | TM6078TW00                                 |
| RONA                      | 612407             | TM6078BX00                                 |
| RONA                      | 208366             | TM6078FR00                                 |
| RONA                      | 17814C/76          | TM6078IT00                                 |
| RONA                      | 304074             | TM6078AU01                                 |
| RONA                      | 21.164/M-76        | TM6078BR02                                 |
| RONA                      | 1057704            | TM6078GB00                                 |
| RONA                      | 249/76             | TM6078IE00                                 |
| RONA                      | 168/1976           | TM6078JP00                                 |
| RONA                      | 3604159            | TM6078CN01                                 |
| RONA                      | 255884             | TM6078MX02                                 |
| RONA                      | 95/16934           | TM6078ZA02                                 |
| RONA                      | 84063942           | TM6078TW01                                 |
| RONA                      | 2014/76244         | TM6078TR00                                 |
| RONA PEARL                | 422077             | TM6079CA00                                 |
| RONA SMART EFFECTS-LOGO 1 | 014294921          | TM25302EU02                                |
| RONA SMART EFFECTS-LOGO 1 | 0733215            | TM25302WO00                                |
| RONA SMART EFFECTS-LOGO 1 | 86828702           | TM25302US00                                |
| RONA SMART EFFECTS-LOGO 1 | 40-2016-0053792    | TM25302KR03                                |
| RONA SMART EFFECTS-LOGO 1 | 909605092          | TM25302BR02                                |
| RONA SMART EFFECTS-LOGO 1 | 302015044588       | TM25302DE02                                |
| RONA SMART EFFECTS-LOGO 2 | 016424657          | TM26240EU00                                |
| RONABRIGHT                | 1831025            | TM8813IN00                                 |
| RONACARE                  | 742044             | TM6084WO00                                 |
| RONACARE                  | 003337243          | TM6084EU00                                 |
| RONACARE                  | 427866             | TM6084MX01                                 |
| RONACARE                  | 2009-5356          | TM6084DO01                                 |
| RONACARE                  | 105918             | TM6084JO01                                 |
| RONACARE                  | 141836             | TM6084SA01                                 |
| RONACARE                  | 126983             | TM6084AE01                                 |
| RONACARE                  | 41552              | TM6084CO01                                 |
| RONACARE                  | 104587             | TM6084EC01                                 |
| RONACARE                  | 3200201364         | TM6084OA00                                 |
| RONACARE                  | 144676             | TM6084GR00                                 |
| RONACARE                  | 2000/02466         | TM6084IE00                                 |
| RONACARE                  | 300 40 273.2       | TM6084DE00                                 |
| RONACARE                  | 487741             | TM6084CL00                                 |
| RONACARE                  | 1105791            | TM6084CA00                                 |
| RONACARE                  | 822785510          | TM6084BR01                                 |
| RONACARE                  | 2289421            | TM6084AR01                                 |
| RONACARE                  | 009015             | TM6084VE01                                 |
| RONACARE                  | 76/117913          | TM6084US00                                 |
| RONACARE                  | 840686             | TM6084AU00                                 |
| RONACARE                  | D0015923           | TM6084ID01                                 |
| RONACARE                  | 617674             | TM6084NZ00                                 |
| RONACARE                  | 4-2000-06315       | TM6084PH00                                 |
| RONACARE                  | 40-2000-32024      | TM6084KR00                                 |
| RONACARE                  | 449061             | TM6084TH01                                 |
| RONACARE                  | 2000/13177         | TM6084ZA01                                 |
| RONACARE                  | 139538             | TM6084IL01                                 |

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| RONACARE        | EE001394             | TM6084TN00                                 |
| RONACARE        | 89037144             | TM6084TW00                                 |
| RONACARE        | 935355               | TM6084IN00                                 |
| RONACARE        | T00/11912F           | TM6084SG01                                 |
| RONACARE        | 2000 14297           | TM6084HK00                                 |
| RONACARE        | 2000/08497           | TM6084MY01                                 |
| RONACARE        | 7346                 | TM6084KO00                                 |
| RONACARE ECTOIN | 301 42 643.0         | TM6085DE00                                 |
| RONAFLAIR       | 984869               | TM4520WO00                                 |
| RONAFLAIR       | 30 2008 022 246.8    | TM4520DE00                                 |
| RONAFLAIR       | 77583991             | TM4520US00                                 |
| RONAFLAIR       | 1413069              | TM4520CA00                                 |
| RONAFLAIR       | 08 104992            | TM4520CO01                                 |
| RONAFLAIR       | 08 104995            | TM4520CO02                                 |
| RONAFLAIR       | 08 104994            | TM4520CO03                                 |
| RONAFLAIR       | 965105               | TM4520MX01                                 |
| RONAFLAIR       | 965106               | TM4520MX02                                 |
| RONAFLAIR       | D00-2008-036801      | TM4520ID01                                 |
| RONAFLAIR       | D00-2008-036803      | TM4520ID02                                 |
| RONAFLAIR       | D00-2008-036804      | TM4520ID03                                 |
| RONAFLAIR       | 965107               | TM4520MX03                                 |
| RONAFLAIR       | 1740184              | TM4520IN00                                 |
| RONAFLAIR       | 710303               | TM4520TH01                                 |
| RONAFLAIR       | 710304               | TM4520TH02                                 |
| RONAFLAIR       | 710305               | TM4520TH03                                 |
| RONAFLAIR       | 830013920            | TM4520BR01                                 |
| RONAFLAIR       | 830013911            | TM4520BR02                                 |
| RONAFLAIR       | 830013903            | TM4520BR03                                 |
| RONAFLAIR       | 097045895            | TM4520TW00                                 |
| RONAFLAIR       | 2.863.036            | TM4520AR01                                 |
| RONAFLAIR       | 2.863.037            | TM4520AR02                                 |
| RONAFLAIR       | 2.863.038            | TM4520AR03                                 |
| RONAFLAKE       | 899 912              | TM3634WO00                                 |
| RONAFLAKE       | 306 19 229.2         | TM3634DE00                                 |
| RONALIGHT       | 1831206              | TM8838IN00                                 |
| RONA-LOGO 2     | 677775               | TM6080WO00                                 |
| RONA-LOGO 2     | 397 05 692.3         | TM6080DE00                                 |
| RONA-LOGO 2     | 137402               | TM6080GR00                                 |
| RONA-LOGO 2     | 820928844            | TM6080BR01                                 |
| RONA-LOGO 2     | 883661               | TM6080CA00                                 |
| RONA-LOGO 2     | 340069               | TM6080MX01                                 |
| RONA-LOGO 2     | 98/11744             | TM6080ZA01                                 |
| RONA-LOGO 2     | 7347                 | TM6080KO00                                 |
| RONA-LOGO 2     | 207296               | TM6080IE00                                 |
| RONA-PEARL      | R32703/1WZ           | TM6083DE00                                 |
| RONASPHERE      | 670835               | TM6086WO00                                 |
| RONASPHERE      | 396 40 682.3         | TM6086DE00                                 |
| RONASPHERE      | 728225               | TM6086AU00                                 |
| RONASPHERE      | 289542               | TM6086MX02                                 |
| RONASPHERE      | 097/02960            | TM6086ZA02                                 |
| RONASPHERE      | 820588121            | TM6086BR02                                 |
| RONASPHERE      | 204013               | TM6086IE00                                 |
| RONASPHERE      | 7340                 | TM6086KO02                                 |
| RONASTAR        | 003300126            | TM7535EU00                                 |
| RONASTAR        | 809800               | TM7535WO00                                 |
| RONASTAR        | 303 19 456.1         | TM7535DE00                                 |
| RONASTAR        | 134476               | TM7535EC02                                 |
| RONASTAR        | 605307               | TM7535MX02                                 |
| RONASTAR        | 78/262,169           | TM7535US00                                 |
| RONASTAR        | 2003-007641          | TM7535VE02                                 |
| RONASTAR        | 300031698            | TM7535HK00                                 |
| RONASTAR        | 1210072              | TM7535IN00                                 |
| RONASTAR        | D00-2003-14878-15007 | TM7535ID02                                 |
| RONASTAR        | 82031076             | TM7535IR00                                 |
| RONASTAR        | 172966               | TM7535IL02                                 |
| RONASTAR        | 4-2003-005273        | TM7535PH00                                 |
| RONASTAR        | 92037162             | TM7535TW00                                 |
| RONASTAR        | 521658               | TM7535TH02                                 |
| RONASTAR        | 54087                | TM7535AE02                                 |

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| RONASTAR              | 6334               | TM7535KO00                                 |
| RONASTAR              | 2003/09613         | TM7535ZA02                                 |
| RONASTAR              | 2436992            | TM7535AR02                                 |
| RONASTAR              | 825596106          | TM7535BR02                                 |
| RONASTAR              | 1180001            | TM7535CA00                                 |
| RONASTAR              | 610.749            | TM7535CL00                                 |
| RONASTAR              | 03051999           | TM7535CO02                                 |
| RONASTAR (KATAKANA)   | 2004-106 428       | TM1931JP00                                 |
| SECURALIC             | 003323425          | TM6155EU00                                 |
| SECURALIC             | 399 79 425.5       | TM6155DE00                                 |
| SELECTILYTE           | 1 002 906          | TM4750WO00                                 |
| SELECTISOLV           | 1 005 933          | TM4749WO00                                 |
| SELECTISOLV           | 098016672          | TM4749TW00                                 |
| SELECTISOLV           | 10/3744522         | TM4749FR00                                 |
| SELECTISOLV           | 30 2008 070 488.8  | TM4749DE00                                 |
| SERILIC               | 862496             | TM6190GB00                                 |
| SIRALLIC              | 293052             | TM6237NZ00                                 |
| SIRALLIC              | 120738             | TM6237IL01                                 |
| SIRALLIC              | 120739             | TM6237IL02                                 |
| SIRALLIC              | 120740             | TM6237IL37                                 |
| SIRALLIC              | 120741             | TM6237IL42                                 |
| SMART EFFECTS-LOGO    | 015702517          | TM26079EU02                                |
| SMART EFFECTS-LOGO    | 1340755            | TM26079WO00                                |
| SMART EFFECTS-LOGO    | 302016020381       | TM26079DE02                                |
| SMART EFFECTS-LOGO    | 911956549          | TM26079BR00                                |
| SMARTETCH             | 1 050 219          | TM9061WO01                                 |
| SMARTETCH             | 30 2010 011 286.7  | TM9061DE01                                 |
| SMARTETCH             | 301686268          | TM9061HK01                                 |
| SMARTETCH             | 2007151            | TM9061IN01                                 |
| SMARTETCH             | 2010014656         | TM9061MY01                                 |
| SMARTETCH             | 4-2010-008757      | TM9061PH01                                 |
| SMARTETCH             | 099038934          | TM9061TW01                                 |
| SMARTETCH             | 85105124           | TM9061US01                                 |
| SOLARETCH             | 870 036            | TM3242WO00                                 |
| SOLARETCH             | 301278063          | TM3242HK00                                 |
| SOLARETCH             | 09001111           | TM3242MY01                                 |
| SOLARETCH             | 4-2009-00804       | TM3242PH00                                 |
| SOLARETCH             | 098002973          | TM3242TW00                                 |
| SOLARFLAIR            | 796958             | TM7426WO00                                 |
| SOLARFLAIR            | 002966422          | TM7426EU00                                 |
| SOLARFLAIR            | 302 55 837.3       | TM7426DE00                                 |
| SOLARFLAIR            | 02113664           | TM7426CO01                                 |
| SOLARFLAIR            | 02113666           | TM7426CO02                                 |
| SOLARFLAIR            | 02113667           | TM7426CO17                                 |
| SOLARFLAIR            | 161099             | TM7426IL01                                 |
| SOLARFLAIR            | 161100             | TM7426IL02                                 |
| SOLARFLAIR            | 1157003            | TM7426IN00                                 |
| SOLARFLAIR            | 1157004            | TM7426IN01                                 |
| SOLARFLAIR            | 2002/19565         | TM7426ZA01                                 |
| SOLARFLAIR            | 2002/19566         | TM7426ZA02                                 |
| SOLARFLAIR            | 2002/19567         | TM7426ZA17                                 |
| SOLARFLAIR            | 507577             | TM7426TH01                                 |
| SOLARFLAIR            | 507578             | TM7426TH02                                 |
| SOLARFLAIR            | 508456             | TM7426TH17                                 |
| SOLARFLAIR (KATAKANA) | 2005-13 694        | TM3006JP00                                 |
| SOLARIS RED           | 300 61 342.3       | TM6252DE00                                 |
| SOLARPUR              | 862 316            | TM3288WO00                                 |
| SOLARPUR              | 305 33 455.7       | TM3288DE00                                 |
| SOLARPUR              | 300456048          | TM3288HK00                                 |
| SOLARPUR              | 94033384           | TM3288TW00                                 |
| SOLARPUR              | 1861202            | TM3288IN00                                 |
| SOLARRESIST           | 1 000 105          | TM4661WO00                                 |
| SOLARRESIST           | 30 2008 054 009.5  | TM4661DE00                                 |
| SOLARRESIST           | 09001112           | TM4661MY01                                 |

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| SOLARRESIST                              | 1777760              | TM4661IN00                                 |
| SOLARRESIST                              | 098002972            | TM4661TW00                                 |
| SOLARSOLPH                               | 1 018 252            | TM4903WO01                                 |
| SOLARSOLPH                               | 30 2009 022 283.5    | TM4903DE00                                 |
| SOLARSOLPH                               | 301449937            | TM4903HK01                                 |
| SOLARSOLPH                               | 1873370              | TM4903IN01                                 |
| SOLARSOLPH                               | 09017925             | TM4903MY01                                 |
| SOLARSOLPH                               | 098045290            | TM4903TW01                                 |
| SOLUVION                                 | 1 040 998            | TM8950WO00                                 |
| SOLUVION                                 | 30 2009 067 327.6    | TM8950DE00                                 |
| SOLUVION                                 | 1963753              | TM8950IN00                                 |
| SPECTRALIC                               | 399 79 423.9         | TM6288DE00                                 |
| SPECTRAVAL                               | 015098221            | TM25551EU00                                |
| SPECTRAVAL                               | 1306200              | TM25551WO00                                |
| SPECTRAVAL                               | 302016004000         | TM25551DE00                                |
| SPECTRAVAL                               | 1767431              | TM25551CA00                                |
| SPECTRAVAL                               | 105007995            | TM25551TW00                                |
| SPHEROLIN K                              | 643171               | TM6297WO00                                 |
| SPHEROLIN K                              | 394 01 909           | TM6297DE00                                 |
| STERN-LOGO                               | 015923485            | TM26169EU00                                |
| STERN-LOGO                               | 1349205              | TM26170WO00                                |
| STERN-LOGO                               | 302016029687         | TM26170DE00                                |
| STERN-LOGO                               | 911814388            | TM26169BR01                                |
| STERN-LOGO                               | 911814426            | TM26169BR02                                |
| STERN-LOGO                               | 1804761              | TM26169CA00                                |
| STERN-LOGO                               | 201629733            | TM26169ZA01                                |
| STERN-LOGO                               | 201629734            | TM26169ZA02                                |
| STERN-LOGO                               | 105060788            | TM26169TW00                                |
| STERN-LOGO                               | 160115470            | TM26169TH01                                |
| STERN-LOGO                               | 160115471            | TM26169TH02                                |
| SUNGLASSES FOR THE SKIN                  | 780018               | TM6333WO00                                 |
| SUNGLASSES FOR THE SKIN                  | 813600               | TM6333WO01                                 |
| SUNGLASSES FOR THE SKIN                  | 003395324            | TM6333EU00                                 |
| SUNGLASSES FOR THE SKIN                  | 301 65 594.4         | TM6333DE00                                 |
| SUNGLASSES FOR THE SKIN                  | 1197614              | TM6333CA01                                 |
| SUNGLASSES FOR THE SKIN                  | 6331 (IR Nr. 780018) | TM6333KO01                                 |
| SUPRIMA                                  | 457598               | TM6362WO00                                 |
| SUPRIMA                                  | 1099721              | TM23960WO00                                |
| SUPRIMA                                  | 012863924            | TM24904EU00                                |
| SUPRIMA                                  | 1230070              | TM24904WO00                                |
| SUPRIMA                                  | 010398923            | TM23960EU00                                |
| SUPRIMA                                  | 4143/80              | TM6362DK00                                 |
| SUPRIMA                                  | 24444/69             | TM6362TW00                                 |
| SUPRIMA                                  | 30 2011 026 895.9    | TM23960DE00                                |
| SUPRIMA                                  | 1698896              | TM24904CA00                                |
| SUPRIMA                                  | 908474660            | TM24904BR00                                |
| SUPRIMA                                  | 959806               | TM24904TH00                                |
| SUPRIMA                                  | 1810653              | TM23960CA01                                |
| SUPRIMA                                  | 85469130             | TM23960US00                                |
| SUPRIMA                                  | 831259094            | TM23960BR02                                |
| SUPRIMA                                  | 831259086            | TM23960BR17                                |
| SUPRIMA                                  | 826030               | TM23960TH02                                |
| SUPRIMA                                  | 826031               | TM23960TH17                                |
| SUPRIMA                                  | 302014046546         | TM24904DE00                                |
| SUPRIMA                                  | 86276991             | TM24904US00                                |
| SUPRIMA                                  | 2014-37222           | TM24904JP00                                |
| SUPRIMA (Application 2011) - in Katakana | 2011-81672           | TM23960JP00                                |
| SUPRIMA-LOGO 1                           | 013707732            | TM25174EU00                                |
| SUPRIMA-LOGO 1                           | A 04977/15           | TM25174WO00                                |
| SUPRIMA-LOGO 1                           | 302015012195         | TM25174DE00                                |
| SUPRIMA-LOGO 1                           | 997853               | TM25174TH42                                |
| SUPRIMA-LOGO 1                           | 1739321              | TM25174CA00                                |
| SUPRIMA-LOGO 1                           | 909748136            | TM25174BR02                                |

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| SUPRIMA-LOGO 1                          | 909748870          | TM25174BR17                                |
| SUPRIMA-LOGO 1                          | 909749043          | TM25174BR42                                |
| SUPRIMA-LOGO 1                          | 86705523           | TM25174US00                                |
| SUPRIMA-LOGO 1                          | 997851             | TM25174TH02                                |
| SUPRIMA-LOGO 1                          | 997852             | TM25174TH17                                |
| SYNBEAM                                 | 302011046668.8/02  | TM24072DE00                                |
| TAI ZHU (IN CHINESE WORDING AND LOGO 1) | [not available]    | TM9098CN02                                 |
| TAIDIN                                  | 1 045 466          | TM9001WO00                                 |
| TAIDIN                                  | 008891277          | TM9001EU00                                 |
| TAIDIN                                  | 30 2009 073 985.4  | TM9001DE02                                 |
| TAIDIN                                  | 8051781            | TM9001CN02                                 |
| TAIDIN                                  | 77926942           | TM9001US02                                 |
| TAIDIN                                  | 3.008.820          | TM9001AR02                                 |
| TAIDIN                                  | EE101415           | TM9001TN02                                 |
| TAIDIN                                  | 2010010331         | TM9001MY02                                 |
| TAIDIN                                  | 1096855            | TM9001MX02                                 |
| TAIDIN                                  | 230480             | TM9001IL02                                 |
| TAIDIN                                  | 113158             | TM9001JO02                                 |
| TAIDIN                                  | 155954             | TM9001SA02                                 |
| TAIDIN                                  | 143557             | TM9001AE02                                 |
| TAIDIN                                  | 002410-2010        | TM9001BO02                                 |
| TAIDIN                                  | 099028439          | TM9001TW02                                 |
| TAIDIN                                  | 230796             | TM9001EC02                                 |
| TAIDIN                                  | 1978212            | TM9001IN02                                 |
| TAIDIN                                  | E-101584-2010      | TM9001SV02                                 |
| TAIDIN                                  | 423626             | TM9001PE02                                 |
| TAIDIN                                  | 2010/12441         | TM9001ZA02                                 |
| TAIDIN                                  | 909074             | TM9001CL02                                 |
| TAIDIN                                  | 413236             | TM9001UY02                                 |
| TAIDIN                                  | D00-2010-021433    | TM9001ID02                                 |
| TAIDIN                                  | 301636948          | TM9001HK02                                 |
| TAIDIN                                  | 825494             | TM9001NZ02                                 |
| TAIDIN                                  | 10 069981          | TM9001CO02                                 |
| TAIDIN                                  | 2010-009279        | TM9001VE02                                 |
| TAIDIN                                  | 129134             | TM9001LB02                                 |
| TAIDIN                                  | 830639160          | TM9001BR02                                 |
| TAIDIN                                  | 22714/2010         | TM9001PY02                                 |
| TAIDIN                                  | 284601             | TM9001PK02                                 |
| TAIDIN                                  | 769757             | TM9001TH02                                 |
| TAIDIN                                  | 2010-04102         | TM9001GT02                                 |
| TAIZHU                                  | 1037366            | TM8917WO02                                 |
| TAIZHU                                  | 2.988.683          | TM8917AR02                                 |
| TAIZHU                                  | 1473833            | TM8917CA02                                 |
| TAIZHU                                  | E-100056-2010      | TM8917SV02                                 |
| TAIZHU                                  | 1076543            | TM8917MX02                                 |
| TAIZHU                                  | 2010004800         | TM8917MY02                                 |
| TAIZHU                                  | [not available]    | TM8917NG02                                 |
| TAIZHU                                  | 153019             | TM8917SA02                                 |
| TAIZHU                                  | 2010/05917         | TM8917ZA02                                 |
| TAIZHU                                  | 140323             | TM8917AE02                                 |
| TAIZHU                                  | 1938826            | TM8917IN02                                 |
| TAIZHU                                  | 090012318          | TM8917TW02                                 |
| TAIZHU                                  | 228157             | TM8917IL02                                 |
| TAIZHU                                  | 112009             | TM8917JO02                                 |
| TAIZHU                                  | 10 032828          | TM8917CO02                                 |
| TAIZHU                                  | 898598             | TM8917CL02                                 |
| TAIZHU                                  | 4-2010-003055      | TM8917PH02                                 |
| TAIZHU                                  | 40-2012-0005123    | TM8917KR00                                 |
| TAIZHU                                  | 821273             | TM8917NZ02                                 |
| TAIZHU                                  | 226770             | TM8917EC02                                 |
| TAIZHU                                  | 416074             | TM8917PE02                                 |
| TAIZHU                                  | 77965000           | TM8917US02                                 |
| TAIZHU                                  | 127444             | TM8917LB02                                 |
| TAIZHU                                  | 10924/2010         | TM8917PY02                                 |
| TAIZHU                                  | SM 01003-2010      | TM8917BO02                                 |
| TAIZHU                                  | 301567602          | TM8917HK02                                 |
| TAIZHU                                  | 2010-01930         | TM8917GT02                                 |

| Trademark         | Application number | Case number according to internal database |
|-------------------|--------------------|--------------------------------------------|
| TAIZHU            | 30 2009 056 859.6  | TM8917DE02                                 |
| TAIZHU-LOGO 1     | 837684             | TM8920WO02                                 |
| TAIZHU-LOGO 1     | 628072             | TM8920MX02                                 |
| TAIZHU-LOGO 1     | 2003/18976         | TM8920ZA02                                 |
| TAIZHU-LOGO 1     | 3014907            | TM8920MY02                                 |
| TAIZHU-LOGO 1     | 099016845          | TM8920TW02                                 |
| TAIZHU-LOGO 1     | 1193997            | TM8920CA02                                 |
| TAIZHU-LOGO 1     | 201154670          | TM8920CN02                                 |
| TAKLAMAKAN        | 010132132          | TM9334EU00                                 |
| TAKLAMAKAN        | 1087571            | TM9334WO00                                 |
| TAKLAMAKAN        | 30 2011 006 609.4  | TM9334DE00                                 |
| TAKLAMAKAN        | 100036382          | TM9334TW00                                 |
| TAKLAMAKAN        | 1196371            | TM9334MX00                                 |
| TAKLAMAKAN        | 814187             | TM9334TH00                                 |
| TAKLAMAKAN        | 2011/17637         | TM9334ZA00                                 |
| TANAMI            | 30 2011 006 608.6  | TM9333DE00                                 |
| TECHNIPUR         | 777028             | TM6398WO00                                 |
| TECHNIPUR         | 1064494            | TM6398IN00                                 |
| TECHNIPUR         | 90049279           | TM6398TW00                                 |
| TECHNIPUR         | 301 68 175.9       | TM6398DE00                                 |
| TECHNIPUR         | 1159422            | TM6398CA00                                 |
| THE PERFECT PIXEL | 010117752          | TM24028EU00                                |
| THE PERFECT PIXEL | 1116176            | TM24028WO00                                |
| THERMAVAL         | 1300488            | TM25491WO00                                |
| THERMAVAL         | 1773574            | TM25491CA00                                |
| THERMAVAL         | 3493476            | TM25491AR00                                |
| THERMAVAL         | [not available]    | TM25491BR00                                |
| THERMAVAL         | 2016/07986         | TM25491ZA00                                |
| THERMAVAL         | [not available]    | TM25491ID00                                |
| THERMAVAL         | 105015836          | TM25491TW00                                |
| THERMAVAL         | 1037456            | TM25491TH00                                |
| THERMAVAL         | 302015056457       | TM25491DE02                                |
| TIMIRON           | 003332459          | TM6456EU00                                 |
| TIMIRON           | 95714692           | TM6456RU00                                 |
| TIMIRON           | 612405             | TM6456BX00                                 |
| TIMIRON           | 724/76             | TM6456DK00                                 |
| TIMIRON           | 208369             | TM6456FR00                                 |
| TIMIRON           | 17813C/76          | TM6456IT00                                 |
| TIMIRON           | R32705/1WZ         | TM6456DE00                                 |
| TIMIRON           | 74/16383           | TM6456TW00                                 |
| TIMIRON           | 1057705            | TM6456GB00                                 |
| TIMIRON           | 303,633            | TM6456AU00                                 |
| TIMIRON           | 21.166/M-76        | TM6456BR02                                 |
| TIMIRON           | 397647             | TM6456CA00                                 |
| TIMIRON           | 247/76             | TM6456IE00                                 |
| TIMIRON           | 167/1976           | TM6456JP00                                 |
| TIMIRON           | 814195             | TM6456ES00                                 |
| TIMIRON           | 0-185873-02        | TM6456CZ00                                 |
| TIMIRON           | 3379-2002          | TM6456SK00                                 |
| TIMIRON           | 255885             | TM6456MX02                                 |
| TIMIRON           | 95/16936           | TM6456ZA02                                 |
| TIMIRON           | 95-48429           | TM6456KR00                                 |
| TIMIRON           | 96-0005701         | TM6456CN02                                 |
| TIMIRON           | 72/398,887         | TM6456US00                                 |
| TIMIRON (KATA)    | 20439/1992         | TM6458JP00                                 |
| TIVIDA            | 1 028 513          | TM8810WO00                                 |
| TIVIDA            | 30 2009 035 917.2  | TM8810DE00                                 |
| TIVIDA            | 1895669            | TM8810IN00                                 |
| TIVIDA            | 1056323            | TM8810MX01                                 |
| TIVIDA            | 1056321            | TM8810MX02                                 |
| TIVIDA            | 830478981          | TM8810BR01                                 |
| TIVIDA            | 830479007          | TM8810BR02                                 |
| TIVIDA            | 77895007           | TM8810US00                                 |
| UV-PEARLS         | 009535841          | TM4336EU01                                 |
| UV-PEARLS         | 307 83 015.2       | TM4336DE00                                 |
| UV-PEARLS         | 76172347           | TM4336US00                                 |
| UV-PEARLS         | M12000C012064      | TM4336IT00                                 |
| UV-PEARLS         | 30080790.2         | TM4336DE01                                 |
| UV-PEARLS         | 003062282          | TM4336FR00                                 |
| UV-PEARLS         | 2251221            | TM4336GB00                                 |



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| Trademark                     | Application number | Case number according to internal database |
|-------------------------------|--------------------|--------------------------------------------|
| VIVO-COLOR                    | 301 65 592.8       | TM6665DE00                                 |
| WAHIBA                        | 1 087 570          | TM9335WO00                                 |
| WAHIBA                        | 010132413          | TM9335EU00                                 |
| WAHIBA                        | 30 2011 006 607.8  | TM9335DE00                                 |
| WAHIBA                        | 85374758           | TM9335US00                                 |
| WAHIBA                        | 100036381          | TM9335TW00                                 |
| WAHIBA                        | 1196374            | TM9335MX00                                 |
| WAHIBA                        | 814186             | TM9335TH00                                 |
| WAHIBA                        | 2011/17659         | TM9335ZA00                                 |
| WE MAKE COMMUNICATION VISIBLE | 78/405450          | TM8651US02                                 |
| WORKING WITH SUNSHINE         | 008943854          | TM9063EU00                                 |
| WORKING WITH SUNSHINE         | 1 050 948          | TM9063WO00                                 |
| WORKING WITH SUNSHINE         | 3.025.344          | TM9063AR01                                 |
| WORKING WITH SUNSHINE         | 3.025.345          | TM9063AR16                                 |
| WORKING WITH SUNSHINE         | 3.025.346          | TM9063AR35                                 |
| WORKING WITH SUNSHINE         | 830729267          | TM9063BR01                                 |
| WORKING WITH SUNSHINE         | 830729240          | TM9063BR16                                 |
| WORKING WITH SUNSHINE         | 1492382            | TM9063CA00                                 |
| WORKING WITH SUNSHINE         | 777660             | TM9063TH16                                 |
| WORKING WITH SUNSHINE         | 777661             | TM9063TH35                                 |
| WORKING WITH SUNSHINE         | 099041793          | TM9063TW00                                 |
| WORKING WITH SUNSHINE         | 232309             | TM9063IL16                                 |
| WORKING WITH SUNSHINE         | 232310             | TM9063IL35                                 |
| WORKING WITH SUNSHINE         | 1114322            | TM9063MX35                                 |
| WORKING WITH SUNSHINE         | 2010/18629         | TM9063ZA01                                 |
| WORKING WITH SUNSHINE         | 2010/18630         | TM9063ZA16                                 |
| WORKING WITH SUNSHINE         | 2010/18631         | TM9063ZA35                                 |
| WORKING WITH SUNSHINE         | 2013522            | TM9063IN00                                 |
| WORKING WITH SUNSHINE         | 301697608          | TM9063HK00                                 |
| WORKING WITH SUNSHINE         | 146429             | TM9063AE01                                 |
| WORKING WITH SUNSHINE         | 146430             | TM9063AE16                                 |
| WORKING WITH SUNSHINE         | 146431             | TM9063AE35                                 |
| WORKING WITH SUNSHINE         | 232308             | TM9063IL00                                 |
| WORKING WITH SUNSHINE         | 2010015750         | TM9063MY01                                 |
| WORKING WITH SUNSHINE         | 2010015751         | TM9063MY16                                 |
| WORKING WITH SUNSHINE         | 2010015749         | TM9063MY35                                 |
| WORKING WITH SUNSHINE         | 4-2010-009283      | TM9063PH00                                 |
| WORKING WITH SUNSHINE         | 63680              | TM9063QA01                                 |
| WORKING WITH SUNSHINE         | 63681              | TM9063QA16                                 |
| WORKING WITH SUNSHINE         | 63682              | TM9063QA35                                 |

| Trademark             | Application number   | Case number according to internal database |
|-----------------------|----------------------|--------------------------------------------|
| SUNSHINE              |                      |                                            |
| WORKING WITH SUNSHINE | 158476               | TM9063SA01                                 |
| WORKING WITH SUNSHINE | 158477               | TM9063SA16                                 |
| WORKING WITH SUNSHINE | 158478               | TM9063SA35                                 |
| XIRALLIC              | 697835               | TM6697WO00                                 |
| XIRALLIC              | 003323417            | TM6697EU00                                 |
| XIRALLIC              | 398 18 703.7         | TM6697DE00                                 |
| XIRALLIC              | 9807146              | TM6697HK01                                 |
| XIRALLIC              | 812269               | TM6697IN00                                 |
| XIRALLIC              | 812268               | TM6697IN01                                 |
| XIRALLIC              | D9814919             | TM6697ID01                                 |
| XIRALLIC              | D9814918             | TM6697ID02                                 |
| XIRALLIC              | D9814917             | TM6697ID37                                 |
| XIRALLIC              | D9814916             | TM6697ID42                                 |
| XIRALLIC              | 369388               | TM6697TH01                                 |
| XIRALLIC              | 369389               | TM6697TH02                                 |
| XIRALLIC              | 369390               | TM6697TH37                                 |
| XIRALLIC              | 16072                | TM6697TH42                                 |
| XIRALLIC              | 89196                | TM6697EC02                                 |
| XIRALLIC              | 11435                | TM6697TR00                                 |
| XIRALLIC              | 763707               | TM6697AU00                                 |
| XIRALLIC              | 888608               | TM6697CA00                                 |
| XIRALLIC              | 75/516995            | TM6697US00                                 |
| XIRALLIC              | 9811410              | TM6697ZA01                                 |
| XIRALLIC              | 9811411              | TM6697ZA02                                 |
| XIRALLIC              | 9811412              | TM6697ZA37                                 |
| XIRALLIC              | 9811413              | TM6697ZA42                                 |
| XIRALLIC              | 339452               | TM6697MX01                                 |
| XIRALLIC              | 339453               | TM6697MX02                                 |
| XIRALLIC              | 339454               | TM6697MX37                                 |
| XIRALLIC              | 339455               | TM6697MX42                                 |
| XIRALLIC              | 67040                | TM6697MA00                                 |
| XIRALLIC              | 821262238            | TM6697BR01                                 |
| XIRALLIC              | 821262246            | TM6697BR02                                 |
| XIRALLIC              | 821262254            | TM6697BR42                                 |
| XIRALLIC              | 2160525              | TM6697AR02                                 |
| XIRALLIC              | 98/2875-4            | TM6697IE00                                 |
| XIRALLIC              | 11436                | TM6697TR01                                 |
| XIRALLIC              | 137648               | TM6697GR00                                 |
| XIRALLIC              | 98/10276             | TM6697MY01                                 |
| XIRALLIC              | 98/10275             | TM6697MY02                                 |
| XIRALLIC              | 98/10274             | TM6697MY37                                 |
| XIRALLIC              | 98/10273             | TM6697MY42                                 |
| XIRALLIC              | S/5563/98            | TM6697SG01                                 |
| XIRALLIC              | S/5564/98            | TM6697SG02                                 |
| XIRALLIC              | S/5565/98            | TM6697SG37                                 |
| XIRALLIC              | S/5566/98            | TM6697SG42                                 |
| XIRALLIC              | 293057               | TM6697NZ01                                 |
| XIRALLIC              | 120742               | TM6697IL01                                 |
| XIRALLIC              | 120743               | TM6697IL02                                 |
| XIRALLIC              | 120744               | TM6697IL37                                 |
| XIRALLIC              | 120745               | TM6697IL42                                 |
| XIRALLIC              | 6344 (IR Nr. 697835) | TM6697KO00                                 |
| XIRALLIC              | EE981025             | TM6697TN00                                 |
| XIRALLIC              | 065895               | TM6697PE02                                 |
| XIRALLIC              | 11867-98             | TM6697VE02                                 |
| XIRALLIC              | 98037765             | TM6697CO02                                 |
| XIRALLIC              | 419040               | TM6697CL00                                 |
| XIRALLIC              | 2011-43107           | TM6697JP00                                 |
| XIRALLIC              | 87029860             | TM6697TW01                                 |
| XIRALLIC              | 98641                | TM6697KR00                                 |
| XIRALLIC              | 4-2004-0002549       | TM6697PH01                                 |
| XIRALLIC (WITH KATA)  | 50263/1998           | TM6698JP00                                 |
| XIRALLIC (with urdu)  | 150413               | TM6697PK01                                 |
| XIRALLIC (with urdu)  | 150412               | TM6697PK02                                 |

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| Trademark       | Application number      | Case number according to internal database |
|-----------------|-------------------------|--------------------------------------------|
| XIRALLIC-LOGO 1 | 301 13 226.7            | TM6700DE00                                 |
| XIRONA          | 003332491               | TM6703EU00                                 |
| XIRONA          | 764707                  | TM6703WO00                                 |
| XIRONA          | 2001 12590              | TM6703HK00                                 |
| XIRONA          | D00-2001<br>17698.17815 | TM6703ID02                                 |
| XIRONA          | 44155                   | TM6703AE02                                 |
| XIRONA          | 01035040                | TM6703IN00                                 |
| XIRONA          | 8006575                 | TM6703IR00                                 |
| XIRONA          | 151189                  | TM6703IL02                                 |
| XIRONA          | 4-2001-05720            | TM6703PH00                                 |
| XIRONA          | 462335                  | TM6703TH02                                 |
| XIRONA          | 300 91 898.4            | TM6703DE00                                 |
| XIRONA          | 13547                   | TM6703VE02                                 |
| XIRONA          | 1154183                 | TM6703CA00                                 |
| XIRONA          | 854376                  | TM6703AU00                                 |
| XIRONA          | 40-200049981            | TM6703KR00                                 |

| Trademark                                    | Application number | Case number according to internal database |
|----------------------------------------------|--------------------|--------------------------------------------|
| XIRONA                                       | 2000/20862         | TM6703ZA02                                 |
| XIRONA                                       | 89060635           | TM6703TW00                                 |
| XIRONA                                       | 76/292071          | TM6703US00                                 |
| XIRONA                                       | 499361             | TM6703MX02                                 |
| XIRONA                                       | 1064161            | TM6703CO02                                 |
| XIRONA                                       | 981821             | TM6703CL00                                 |
| XIRONA                                       | 823633020          | TM6703BR01                                 |
| XIRONA                                       | 2348841            | TM6703AR02                                 |
| XIRONA<br>(KATAKANA)                         | 2004-106 429       | TM1930JP00                                 |
| X-TRACT                                      | 004921003          | TM3473EU00                                 |
| X-TRACT                                      | 305 60 386.8       | TM3473DE00                                 |
| X-TRACT                                      | 305 60 384.1       | TM3474DE00                                 |
| YA ZHU (IN CHINESE<br>WORDING AND<br>LOGO 2) | 1440109            | TM9099CN02                                 |

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## II. Domains

|                                      |                                |                            |                                      |
|--------------------------------------|--------------------------------|----------------------------|--------------------------------------|
| anti-graffiti.us                     | livilux.de                     | pyrisma-nxt.de             | thegshield.org                       |
| candurin.us                          | licrivue.de                    | xirallic-nxt.de            | tutoprom.com                         |
| colorona.us                          | li-motion.de                   | merck4architecture.de      | deetfree.com                         |
| ectoin.us                            | lisicon.de                     | glanzeffekte.de            | mgperformancematerials.com           |
| emblica.us                           | meoxal.de                      | displayingfutures.de       | mg-performancematerials.com          |
| eusolex.us                           | merck-brilliance-in-sight.de   | displaying-futures.de      | mg-performance-materials.com         |
| ir-3535.us                           | securalic.de                   | merck-pm.de                | candurin.eu                          |
| ir3535.us                            | merckfourdisplays.de           | xn--oled-wrme-licht-5kb.de | emblica.eu                           |
| iriodin-pearlets.us                  | merck4displays.de              | oled-therapie.de           | pyrisma.eu                           |
| licristal.us                         | merckfordisplays.de            | oled-schmerztherapie.de    | colorona.eu                          |
| licrivue.us                          | solarpur.de                    | oled-kosmetik.de           | ir-3535.eu                           |
| li-motion.us                         | licristar.de                   | oled-antiaging.de          | tivida.eu                            |
| lisicon.us                           | isiphor.de                     | az-em.de                   | iriotec.eu                           |
| minatec.us                           | color-compendium.de            | durazane.de                | lisiflex.eu                          |
| patinal.us                           | ionic-liquids.de               | propolytec.de              | performance-materials.de             |
| ronacare.us                          | xn--flssigkristalle-0vb.de     | spectraval.de              | colorona.ch                          |
| rona.us                              | tivida.de                      | rgb-printing.de            | colorstream.ch                       |
| thegshield.us                        | iriotec.de                     | print-rgb.de               | iriodin.ch                           |
| timiron.us                           | lisiflex.de                    | rgb-print.de               | timiron.ch                           |
| we-make-communication-visible.us     | solarsolph.de                  | thermaval.de               | xirallic.ch                          |
| xirona.us                            | solarresist.de                 | thermaval-pigments.de      | emblica.biz                          |
| biflair.de                           | hiperink.de                    | spectraval-pigments.de     | rona.biz                             |
| colorstream.de                       | hipersolph.de                  | iriodin.de                 | thegshield.biz                       |
| effect-company.de                    | i-effect-design.de             | oled-antiaging.com         | az-em.biz                            |
| effekt-pigmente.de                   | goniovisionbox.de              | oled-cosmetic.com          | xn--flssigkristalle-0vb.ch           |
| effektpigmente.de                    | gonio-vision-box.de            | oled-beauty.com            | az-em.co.uk                          |
| funktionelle-pigmente.de             | ioniquid.de                    | oled-therapy.com           | durazane.co.uk                       |
| interferenz-pigmente.de              | ioniquid.de                    | merck-pigments.com         | az-em.co                             |
| ioniquid-merck.de                    | ionischefluessigkeit.de        | licristal.com              | isitron.kr                           |
| licristal.de                         | ionischefluessigkeiten.de      | propolytec.com             | licristal.kr                         |
| merck-laserforum.de                  | i-effect-pigments.de           | tivida.info                | licrivue.kr                          |
| merck-pigmente.de                    | merck4photovoltaics.de         | iriotec.info               | li-motion.kr                         |
| metallglanz-pigmente.de              | glanzpigmente.de               | ronacare.info              | lisicon.kr                           |
| minatec.de                           | glanz-pigmente.de              | eusolex.info               | livilux.kr                           |
| pearlets.de                          | iriodinfarben.de               | emblica.info               | xn--flssigkristalle-0vb.at           |
| pearlpigments.de                     | perlmuttfarben.de              | ir3535.info                | merck-performance-materials.pl       |
| pearlprint.de                        | perlmutteffekt.de              | candurin.info              | az-em.mobi                           |
| perleffekt.de                        | perlmuttpigmente.de            | iriotec.com                | merck-pm.cn                          |
| perlpigmente.de                      | perlmuttlacke.de               | patinal.info               | durazane.cn                          |
| xirallic.de                          | perlmutteffekte.de             | insectrepellent3535.info   | az-em.org.cn                         |
| ir3535.de                            | metallic-effekt.de             | insectrepellent3535.com    | az-em.com.cn                         |
| insect-repellent3535.de              | metalliceffekt.de              | ir-3535.info               | az-em.net.cn                         |
| insectrepellent3535.de               | kosmetikpigmente.de            | insect-repellent3535.info  | az-em.cn                             |
| ir-3535.de                           | funktionspigmente.de           | insekt-repellent3535.com   | merck-performance-materials.in       |
| patinal.de                           | glanzfarben.de                 | insectrepellent3535.com    | isitron.tw                           |
| optipur.de                           | glitzerportal.de               | ir-3535.com                | licristal.tw                         |
| emblica.de                           | glitzerlacke.de                | merck-oled.com             | licrivue.tw                          |
| ronacare.de                          | xn--alles-was-glnzt-clb.de     | merckoled.com              | li-motion.tw                         |
| eusolex.de                           | performancematerials.de        | pearlprint.com             | lisicon.tw                           |
| ectoin.de                            | merck4cosmetics.de             | bi-flair.com               | livilux.tw                           |
| colorona.de                          | merck-performance-materials.de | color-compendium.com       | merck-makes-communication-visible.tw |
| candurin.de                          | merckperformancematerials.de   | merckoled.info             | merckoled.com.tw                     |
| timiron.de                           | merck-performance-materials.de | goniovisionbox.com         | merck-performance-materials.tw       |
| xirona.de                            | plastillusion.de               | i-effect-design.com        | candurin.ru                          |
| effekte-fuer-lacke.de                | merck4opv.de                   | colorona.info              | colorona.ru                          |
| lazerflair.de                        | iriotec-portal.de              | lisiflex.info              | ectoin.ru                            |
| solarflair.de                        | performing-effects.de          | gonio-vision-box.com       | emblica.ru                           |
| ronastar.de                          | performingeffects.de           | lisiflex.com               | eusolex.ru                           |
| merck-makes-communication-visible.de | merck-effekte.de               | effect-for-coating.com     | ir3535.ru                            |
| uvpearls.de                          | merckforlcwindows.de           | effect-for-coatings.com    | ronacare.ru                          |
| perलगlantzpigmente.de                | merck4lcwindows.de             | emd-pigments.com           | ronastar.ru                          |
| we-make-communication-visible.de     | licrivision.de                 | hiperetch.com              | timiron.ru                           |
| merck-in-sight.de                    | merck-ve3d.de                  | displayingfutures.com      | xirona.ru                            |
| merckoled.de                         | virtual-embossing.de           | displaying-futures.com     | isitron.jp                           |
| siosol.de                            | virtual-embossing-3d.de        | uvpearls.info              | licristal.jp                         |
| ronaflake.de                         | ez3d-effects.de                | akulan.com                 | licrivue.jp                          |
| pyrisma.de                           | ez3d-pigments.de               | plastillusion.com          | li-motion.jp                         |
| hiperetch.de                         | ez3d.de                        | merck4opv.com              | lisicon.jp                           |
| isigent.de                           | glanz-effekte.de               | emd4opv.com                | livilux.jp                           |
| isitag.de                            | coatings-nxt.de                | thegshield.net             | merck-makes-communication-visible.jp |
| isishape.de                          | colorstream-nxt.de             | thegshield.com             | merck4printing.jp                    |
|                                      | meoxal-nxt.de                  |                            |                                      |
|                                      | nxt-for-coatings.de            |                            |                                      |

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|                                |                                       |                                        |                                      |
|--------------------------------|---------------------------------------|----------------------------------------|--------------------------------------|
| merck4plastics.jp              | lustrepak.com                         | polysilazanes.com                      | hiperink.porn                        |
| merck4lcds.jp                  | azsm.com                              | effectpigments.com                     | hipersolph.porn                      |
| merck4cosmetics.jp             | timiron.info                          | pearleffect.com                        | isishape.porn                        |
| ionic-liquid.jp                | isigent.info                          | uvpearls.com                           | isishape-solarresist.porn            |
| merck-performance-materials.jp | isitron.info                          | merck4photovoltaics.com                | lisicon.porn                         |
| durazane.jp                    | isitag.info                           | pellet-paint.com                       | solaretech.porn                      |
| azem.jp                        | lisicon.info                          | tivida.com                             | solarresist.porn                     |
| az-em.jp                       | licrivue.info                         | emd4technicalindustry.com              | solarsolph.porn                      |
| hipersolph.asia                | livilux.info                          | emd4fuelcells.com                      | xirallic-nxt.eu                      |
| hiperink.asia                  | ronastar.info                         | ionic-liquid.com                       | pyrisma-nxt.eu                       |
| licrivision.asia               | li-motion.info                        | merck-in-sight.com                     | nxt-for-coatings.eu                  |
| merck4lcwindows.asia           | optipur.info                          | merckfourbiosciences.com               | meoxal-nxt.eu                        |
| merckforlcwindows.asia         | merck-brilliance-in-sight.info        | merck-performancematerials.com         | colorstream-nxt.eu                   |
| optipur.asia                   | ectoin.info                           | merckperformancematerials.com          | coatings-nxt.eu                      |
| patinal.asia                   | isiphor.info                          | merck-performance-materials.com        | ronacare.eu                          |
| licristal.asia                 | licristar.info                        | micabs.com                             | patinal.eu                           |
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| hiperink.com                   | licrivision.eu                        | spectraval-pigments.com                | timiron.eu                           |
| hipersolph.com                 | merck4lcwindows.eu                    | thermaval.com                          | optipur.eu                           |
| solarresist.com                | merckforlcwindows.eu                  | thermaval-pigments.com                 | eusolex.eu                           |
| directedselfassembly.com       | isigent.eu                            | lazerflair.com                         | merck-oled.eu                        |
| directselfassembly.com         | isitag.eu                             | hydroine.com                           | merckoled.eu                         |
| isishape.com                   | isitron.eu                            | ronaflake.com                          | effect-pigments.eu                   |
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| licrivue.com                   | lisicon.eu                            | isiphor.adult                          | rona.eu                              |
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| merck4plastics.com             | we-make-communication-visible.eu      | hiperink.adult                         | xirallic.eu                          |
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| meoxal.com                     | lisicon.org                           | solarsolph.adult                       | perfect-blunt.com                    |
| ez3d-effects.com               | xn--flssigkristalle-0vb.org           | polysilazanes.org                      | emd-performance-materials.com        |
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| rona-pearl.com                 | azem.asia                             | livilux.asia                           | effects-for-plastics.com             |
| solarisred.com                 | azem.cc                               | lisicon.asia                           | effects-for-printing.com             |
| solaris-red.com                | durazane.in                           | li-motion.asia                         | effects-for-packaging.com            |
| spherolin-k.com                | azem.in                               | licrivue.asia                          | florapearl.com                       |
| x-traqt.com                    | azem.tw                               | isitag.asia                            | pearl-luster-pigments.com            |
| vivo-color.com                 | az-em.tw                              | isitron.asia                           | effects-for-design.com               |
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| merckfourcoating.com           | colorstream.eu                        | isigent.asia                           | pigment-security.com                 |
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| nailsyn.com                    | emd-quantum-materials.com             | merckoled.asia                         | merckfourcosmetics.com               |
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| merckfourdisplays.com                    |             |
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| emdfordisplays.com                       |             |
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| ioniq-liquids.com                        |             |
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| merck4automotive.com                     |             |
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The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

### III. Designs

| Design            | Country           | Application number | Registration number | Merck case number |
|-------------------|-------------------|--------------------|---------------------|-------------------|
| PATINAL-FLASCHE 1 | Europäische Union | 000542261-0001     | 000542261-0001      | D1002EU00         |
| PATINAL-FLASCHE 2 | Europäische Union | 000542261-0002     | 000542261-0002      | D1003EU00         |

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#### IV. Patents

| Case number according to internal database | Application numbers competent patent authorities                                        |
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| 0097208                                    | 09/484,259; 10/924,910; 10-117902                                                       |
| 0097319                                    | 09/143,112; 10-242666                                                                   |
| 0097425                                    | 10-296249                                                                               |
| 0097428                                    | 10-342331                                                                               |
| 0097429                                    | 10-326204                                                                               |
| 0097442                                    | 09/509,602                                                                              |
| 0098102                                    | 09/652,553; 11-57804; 88103331; 99103821.7                                              |
| 0098316                                    | 09/353,626; 99112783.8                                                                  |
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| 100A148                                    | 10112769.3                                                                              |
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| 100B256                                    | 10124257.3                                                                              |
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| 100C019                                    | 01812727.4; 01960377.8; 10/332,807; 2002-512169; 90116198                                     |
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| 101A019                                    | 0200075.0; 090130678; 10/050,151; 2009-39537                                                  |
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| P 17/329                                   | 17210438.2                                           |
| P 97/001                                   | 09/581,914; 10-2000-7006767; 2000-525471; 98960000.2 |
| P 97/003                                   | 10-544419; 98916989.1                                |
| P 97/004                                   | 09/381,317; 10-544421; 98913731.0                    |
| P 97/005                                   | 09/486,867                                           |
| P 97/006                                   | 09/529,048                                           |
| P 97/007                                   | 10/185,061; 10-2000-7004908; 2000-520525; 98952737.9 |
| P 97/010                                   | 11-523558                                            |
| P 98/002                                   | 10/243,302; 2000-530483                              |
| P 98/003                                   | 09/914,971                                           |
| P 98/008                                   | 10-2001-7004537; 2000-575926; 99811972.5             |
| P 98/009                                   | 09/806,730; 10-2001-7004534; 99811971.7              |
| P 98/040                                   | 09/472,018                                           |
| P 99/001                                   | 09/979,841; 2001-505597                              |
| P 99/002                                   | 10,130,487                                           |
| P 99/011                                   | 00978111.3                                           |
| P 99/012                                   | 09/484,705                                           |
| P 99/022                                   | 10/272,935; 11-224065                                |
| P 99/023                                   | 00310459.3; 09/716,470                               |
| P 99/024                                   | 11-350267                                            |
| 2015JP307                                  | [not yet available]                                  |
| I 00/219                                   | [not yet available]                                  |
| I 00/220                                   | [not yet available]                                  |
| I 02/078                                   | [not yet available]                                  |
| I 08/277                                   | [not yet available]                                  |
| I 11/071                                   | [not yet available]                                  |
| I 11/077                                   | [not yet available]                                  |
| I 11/178                                   | [not yet available]                                  |
| I 12/056                                   | [not yet available]                                  |
| I 12/091                                   | [not yet available]                                  |
| I 12/198                                   | [not yet available]                                  |
| I 12/204                                   | [not yet available]                                  |
| I 12/205                                   | [not yet available]                                  |
| I 12/315                                   | [not yet available]                                  |
| I 13/070                                   | [not yet available]                                  |
| I 13/093                                   | [not yet available]                                  |
| I 13/099                                   | [not yet available]                                  |
| I 13/188                                   | [not yet available]                                  |
| I 13/342                                   | [not yet available]                                  |
| I 13/354                                   | [not yet available]                                  |
| I 13/370                                   | [not yet available]                                  |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Case number according to internal database | Application numbers competent patent authorities |
|--------------------------------------------|--------------------------------------------------|
| I 13/372                                   | [not yet available]                              |
| I 14/066                                   | [not yet available]                              |
| I 14/132                                   | [not yet available]                              |
| I 14/146                                   | [not yet available]                              |
| I 14/239                                   | [not yet available]                              |
| I 14/256                                   | [not yet available]                              |
| I 14/290                                   | [not yet available]                              |
| I 14/311                                   | [not yet available]                              |
| I 14/313                                   | [not yet available]                              |
| I 15/004                                   | [not yet available]                              |
| I 15/052                                   | [not yet available]                              |
| I 15/053                                   | [not yet available]                              |
| I 15/069                                   | [not yet available]                              |
| I 15/105                                   | [not yet available]                              |
| I 15/108                                   | [not yet available]                              |
| I 15/109                                   | [not yet available]                              |
| I 15/155                                   | [not yet available]                              |
| I 15/156                                   | [not yet available]                              |
| I 15/159                                   | [not yet available]                              |
| I 15/164                                   | [not yet available]                              |
| I 15/165                                   | [not yet available]                              |
| I 15/166                                   | [not yet available]                              |
| I 15/167                                   | [not yet available]                              |
| I 15/177                                   | [not yet available]                              |
| I 15/190                                   | [not yet available]                              |
| I 15/228                                   | [not yet available]                              |
| I 15/229                                   | [not yet available]                              |
| I 15/248                                   | [not yet available]                              |
| I 15/278                                   | [not yet available]                              |
| I 15/279                                   | [not yet available]                              |
| I 15/280                                   | [not yet available]                              |
| I 15/287                                   | [not yet available]                              |
| I 15/290                                   | [not yet available]                              |
| I 15/291                                   | [not yet available]                              |
| I 15/303                                   | [not yet available]                              |
| I 15/307                                   | [not yet available]                              |
| I 16/014                                   | [not yet available]                              |
| I 16/023                                   | [not yet available]                              |
| I 16/062                                   | [not yet available]                              |
| I 16/083                                   | [not yet available]                              |
| I 16/120                                   | [not yet available]                              |
| I 16/134                                   | [not yet available]                              |
| I 16/140                                   | [not yet available]                              |
| I 16/146                                   | [not yet available]                              |
| I 16/152                                   | [not yet available]                              |
| I 16/163                                   | [not yet available]                              |
| I 16/180                                   | [not yet available]                              |
| I 16/207                                   | [not yet available]                              |
| I 16/223                                   | [not yet available]                              |
| I 16/245                                   | [not yet available]                              |
| I 16/248                                   | [not yet available]                              |
| I 16/255                                   | [not yet available]                              |
| I 16/259                                   | [not yet available]                              |



The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Case number according to internal database | Application numbers competent patent authorities |
|--------------------------------------------|--------------------------------------------------|
| I 16/288                                   | [not yet available]                              |
| I 16/291                                   | [not yet available]                              |
| I 16/292                                   | [not yet available]                              |
| I 16/300                                   | [not yet available]                              |
| I 16/301                                   | [not yet available]                              |
| I 16/305                                   | [not yet available]                              |
| I 16/309                                   | [not yet available]                              |
| I 16/310                                   | [not yet available]                              |
| I 16/311                                   | [not yet available]                              |
| I 16/312                                   | [not yet available]                              |
| I 16/313                                   | [not yet available]                              |
| I 16/314                                   | [not yet available]                              |
| I 16/319                                   | [not yet available]                              |
| I 16/321                                   | [not yet available]                              |
| I 16/325                                   | [not yet available]                              |
| I 16/330                                   | [not yet available]                              |
| I 17/006                                   | [not yet available]                              |
| I 17/007                                   | [not yet available]                              |
| I 17/015                                   | [not yet available]                              |
| I 17/016                                   | [not yet available]                              |
| I 17/022                                   | [not yet available]                              |
| I 17/028                                   | [not yet available]                              |
| I 17/029                                   | [not yet available]                              |
| I 17/034                                   | [not yet available]                              |
| I 17/037                                   | [not yet available]                              |
| I 17/047                                   | [not yet available]                              |
| I 17/048                                   | [not yet available]                              |
| I 17/064                                   | [not yet available]                              |
| I 17/068                                   | [not yet available]                              |
| I 17/074                                   | [not yet available]                              |
| I 17/081                                   | [not yet available]                              |
| I 17/084                                   | [not yet available]                              |
| I 17/094                                   | [not yet available]                              |
| I 17/102                                   | [not yet available]                              |
| I 17/116                                   | [not yet available]                              |
| I 17/118                                   | [not yet available]                              |
| I 17/120                                   | [not yet available]                              |
| I 17/127                                   | [not yet available]                              |
| I 17/128                                   | [not yet available]                              |
| I 17/129                                   | [not yet available]                              |
| I 17/133                                   | [not yet available]                              |
| I 17/134                                   | [not yet available]                              |
| I 17/136                                   | [not yet available]                              |
| I 17/139                                   | [not yet available]                              |
| I 17/140                                   | [not yet available]                              |
| I 17/143                                   | [not yet available]                              |
| I 17/146                                   | [not yet available]                              |
| I 17/147                                   | [not yet available]                              |
| I 17/148                                   | [not yet available]                              |
| I 17/157                                   | [not yet available]                              |
| I 17/158                                   | [not yet available]                              |
| I 17/163                                   | [not yet available]                              |
| I 17/164                                   | [not yet available]                              |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Case number according to internal database | Application numbers competent patent authorities |
|--------------------------------------------|--------------------------------------------------|
| I 17/166                                   | [not yet available]                              |
| I 17/167                                   | [not yet available]                              |
| I 17/168                                   | [not yet available]                              |
| I 17/177                                   | [not yet available]                              |
| I 17/180                                   | [not yet available]                              |
| I 17/181                                   | [not yet available]                              |
| I 17/183                                   | [not yet available]                              |
| I 17/187                                   | [not yet available]                              |
| I 17/188                                   | [not yet available]                              |
| I 17/189                                   | [not yet available]                              |
| I 17/190                                   | [not yet available]                              |
| I 17/196                                   | [not yet available]                              |
| I 17/197                                   | [not yet available]                              |
| I 17/198                                   | [not yet available]                              |
| I 17/199                                   | [not yet available]                              |
| I 17/200                                   | [not yet available]                              |
| I 17/201                                   | [not yet available]                              |
| I 17/208                                   | [not yet available]                              |
| I 17/209                                   | [not yet available]                              |
| I 17/210                                   | [not yet available]                              |
| I 17/213                                   | [not yet available]                              |
| I 17/215                                   | [not yet available]                              |
| I 17/223                                   | [not yet available]                              |
| I 17/224                                   | [not yet available]                              |
| I 17/225                                   | [not yet available]                              |
| I 17/226                                   | [not yet available]                              |
| I 17/230                                   | [not yet available]                              |
| I 17/231                                   | [not yet available]                              |
| I 17/232                                   | [not yet available]                              |
| I 17/234                                   | [not yet available]                              |
| I 17/235                                   | [not yet available]                              |
| I 17/236                                   | [not yet available]                              |
| I 17/240                                   | [not yet available]                              |
| I 17/247                                   | [not yet available]                              |
| I 17/252                                   | [not yet available]                              |
| I 17/253                                   | [not yet available]                              |
| I 17/254                                   | [not yet available]                              |
| I 17/258                                   | [not yet available]                              |
| I 17/259                                   | [not yet available]                              |
| I 17/261                                   | [not yet available]                              |
| I 17/267                                   | [not yet available]                              |
| I 17/269                                   | [not yet available]                              |
| I 17/273                                   | [not yet available]                              |
| I 17/275                                   | [not yet available]                              |
| I 17/278                                   | [not yet available]                              |
| I 17/280                                   | [not yet available]                              |
| I 17/283                                   | [not yet available]                              |
| I 17/284                                   | [not yet available]                              |
| I 17/289                                   | [not yet available]                              |
| I 17/291                                   | [not yet available]                              |
| I 17/293                                   | [not yet available]                              |
| I 17/294                                   | [not yet available]                              |
| I 17/295                                   | [not yet available]                              |

The following Intangible Assets belong to Merck KGaA, Darmstadt, Germany.

| Case number according to internal database | Application numbers competent patent authorities |
|--------------------------------------------|--------------------------------------------------|
| I 17/296                                   | [not yet available]                              |
| I 17/299                                   | [not yet available]                              |
| I 17/302                                   | [not yet available]                              |
| I 17/303                                   | [not yet available]                              |
| I 17/304                                   | [not yet available]                              |
| I 17/306                                   | [not yet available]                              |
| I 17/307                                   | [not yet available]                              |
| I 17/311                                   | [not yet available]                              |
| I 17/313                                   | [not yet available]                              |
| I 17/314                                   | [not yet available]                              |
| I 17/316                                   | [not yet available]                              |
| I 17/317                                   | [not yet available]                              |
| I 17/318                                   | [not yet available]                              |
| I 17/319                                   | [not yet available]                              |
| I 17/320                                   | [not yet available]                              |
| I 17/321                                   | [not yet available]                              |
| I 17/324                                   | [not yet available]                              |
| I 17/326                                   | [not yet available]                              |
| I 17/328                                   | [not yet available]                              |
| I 17/329                                   | [not yet available]                              |
| I 17/330                                   | [not yet available]                              |
| I 17/331                                   | [not yet available]                              |
| I 17/332                                   | [not yet available]                              |
| I 17/333                                   | [not yet available]                              |
| I 17/334                                   | [not yet available]                              |
| I 17/335                                   | [not yet available]                              |
| I 17/336                                   | [not yet available]                              |
| I 17/339                                   | [not yet available]                              |
| I 17/340                                   | [not yet available]                              |
| I 17/344                                   | [not yet available]                              |
| I 17/345                                   | [not yet available]                              |
| I 17/346                                   | [not yet available]                              |
| I 17/347                                   | [not yet available]                              |
| I 17/348                                   | [not yet available]                              |
| I 17/349                                   | [not yet available]                              |
| I 17/350                                   | [not yet available]                              |

**Annex 28.2.b**

Intangible Assets Performance Materials recognized in the balance sheet

## Intangible Assets Performance Materials recognized in the balance sheet

**Asset number according to accounting**

|         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1058732 | 1018329 | 1059725 | 1077145 | 1042191 | 1070666 | 1077144 | 1043398 | 1075871 |
| 1018673 | 1060819 | 1072984 | 1053969 | 1070665 | 1034240 | 1079490 | 1076482 | 1010184 |
| 1025553 | 1076483 | 1017866 | 1031294 | 1065317 | 1031295 | 1062182 | 1035176 |         |

**Annex 28.3.b**

Content of the Trust Agreement  
with regard to Registered Property Rights pursuant to § 28.3.b of the  
Hive-down and Transfer Agreement between  
KGaA and PM OpCo

**Content of the Trust Agreement  
with regard to Registered Property Rights pursuant to Section 28.3.b of the  
Hive-down and Transfer Agreement between  
KGaA and PM OpCo**

**§ 1 Trust Agreement**

- 1.1 By way of a trust agreement, KGaA undertakes to hold the Registered Property Rights in trust for PM OpCo and solely in PM OpCo's interest. In particular, KGaA shall not have the right to transfer, assign, encumber, pledge or abandon the Registered Property Rights or grant licenses to them without the prior consent of PM OpCo.
- 1.2 PM OpCo shall have the right to extend the trust relationship established as per this Trust Agreement to additional trademarks, patents, domains, or other registered property rights (or respective applications) at any time by so instructing KGaA. In particular, PM OpCo may instruct KGaA to register additional property rights under this Trust Agreement in PM OpCo's interest. All such additional property rights (or respective applications) shall be regarded as Registered Property Rights within the meaning of this Trust Agreement from the time the order is issued by PM OpCo. Once a year, the Parties shall update the list of Registered Property Rights accordingly as set forth in Annex 28.2 of the Hive-down Agreement.
- 1.3 The Parties agree that, during the term of the fiduciary administration, KGaA shall have the same economic rights with respect to the Registered Property Rights as the legal owner, and that the fiduciary administration shall not result in KGaA being the beneficial owner of the Registered Property Rights, whether in whole or in part.
- 1.4 The provisions of this Trust Agreement shall have no impact on licenses granted to third parties under the Registered Property Rights and the related rights and obligations of such third parties or PM OpCo. If licenses under the Registered Property Rights are required to be submitted to national or other authorities, KGaA shall undertake to submit them under this Trust Agreement.

**§ 2 Rights and Obligations of KGaA**

- 2.1 KGaA shall be obligated to carry out all instructions issued by PM OpCo in connection with the Registered Property Rights. KGaA shall be obligated to perform all duties arising from this Trust Agreement with utmost diligence.
- 2.2 KGaA shall be obligated to register, prosecute, maintain, and monitor the Registered Property Rights in all countries determined by PM OpCo. This shall, in particular, include KGaA's duty to monitor deadlines, pay due fees in time and submit registrations, applications, and other communications to the respective

## Content of the Trust Agreement Performance Materials

registry authorities in a timely fashion. When doing so, KGaA shall act in PM OpCo's best interest at all times and operate in such a manner that the business operations of PM OpCo are protected in an economically viable way. Should KGaA be in doubt whether a certain registration, prosecution or maintenance action is in PM OpCo's interest, it shall ask PM OpCo to give respective instructions.

- 2.3 KGaA shall only be obligated and entitled to assert the Registered Property Rights against current or potential infringers if PM OpCo has issued an explicit order. Such explicit order can also be given in generalized form. If KGaA receives such order, it shall assert the Registered Property Rights in PM OpCo's best interest and in accordance with the latter's instructions, while keeping PM OpCo informed of all key aspects of the proceedings. KGaA shall approach PM OpCo if it considers a certain action useful with regard to asserting the Registered Property Rights, provide reasons for its assessment and request respective instructions from PM OpCo.
- 2.4 As between KGaA and PM OpCo, PM OpCo shall be entitled to all payments that KGaA receives in connection with its activities under this Trust Agreement, including all license fees or compensation payments for damages paid by third parties.
- 2.5 KGaA shall be permitted to engage a trustee with the performance of its obligations under this Trust Agreement, such as Merck Patent GmbH, Darmstadt, Germany, an affiliated company of KGaA.

### **§ 3 Rights and Obligations of PM OpCo**

- 3.1 Subject to any third-party rights arising from any license agreements, PM OpCo shall have the exclusive right to use and exploit the Registered Property Rights in any way. This includes PM OpCo's right to assign such rights to any third parties or have them exercised by any third parties (including the right to grant licenses).
- 3.2 PM OpCo shall have the right to give instructions with regard to the Registered Property Rights to KGaA at any time.
- 3.3 PM OpCo shall be obligated to assist KGaA with the registration, prosecution, maintenance, monitoring and assertion of Registered Property Rights, in particular, if so requested by KGaA, by (a) submitting all declarations required for registration, prosecution, maintenance, and assertion of the Registered Property Rights in the respective jurisdiction and by (b) providing KGaA with all documents and information useful for registration, prosecution, maintenance and assertion of the Registered Property Rights.
- 3.4 PM OpCo shall be entitled to demand at any time that KGaA suspends any and all activities in relation to one or more Registered Property Rights and to take over the registration, prosecution, maintenance and assertion of particular Registered Property Rights from KGaA.



#### **§ 4 Costs and Accounting**

- 4.1 All costs and expenses incurred by KGaA in connection with its obligations under this Trust Agreement shall be borne by PM OpCo. KGaA shall invoice PM OpCo for all costs incurred as a result of performing its obligations under this Trust Agreement on a monthly basis. This shall, in particular, include official fees, legal fees, and in-house costs of KGaA. To the extent applicable, VAT shall be added to the reported amount and reimbursed to KGaA.
- 4.2 Within 60 days of receipt of an invoice, PM OpCo must transfer the substantiated and invoiced amount pursuant to Section 4.1 in euros to a bank account specified by KGaA.
- 4.3 For clarity, the Parties hereby agree that PM OpCo shall be solely responsible for paying compensation for employee inventions that result from applicable laws or the application of the Award Plan for Inventions (MAPI) of KGaA. If desired by PM OpCo, however, KGaA shall claim an employee invention on PM OpCo's behalf, prepare standard contracts with the employee inventors and calculate the respective remunerations or shall commission a third party to perform such activities.

#### **§ 5 Term and Termination**

- 5.1 This Trust Agreement shall take effect upon the hive-down being registered in the Commercial Register with retroactive economic effect from midnight on January 1, 2018 and is entered into for an indefinite period of time.
- 5.2 PM OpCo may terminate this Trust Agreement for convenience at any time upon giving 6 months' notice at the end of each calendar month. KGaA may terminate this Trust Agreement for convenience at any time upon giving 6 months' notice at the end of each calendar month.
- 5.3 The right of both Parties to terminate this Trust Agreement for due cause shall remain unaffected.
- 5.4 Upon termination of this Trust Agreement, all rights of the Parties under this Trust Agreement shall terminate, unless otherwise expressly specified herein. Upon such termination becoming effective, legal ownership of the Registered Property Rights shall be transferred from KGaA to PM OpCo. KGaA hereby agrees to such transfer. PM OpCo shall be responsible for the registration of such transfer of ownership in the Registered Property Rights in the respective registers at its own expense.

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#### **Annex 28.4**

Content of the License Agreement with respect to the Licensed Property Rights Life Science and the Licensed Rights Of Use Life Science pursuant to § 28.4 of the Hive-down and Transfer Agreement as well as the licensed know-how pursuant to § 29.2 of the Hive-down and Transfer Agreement between KGaA and PM OpCo

**Content of the License Agreement  
with respect to the Licensed Property Rights Performance Materials and the Li-  
censed Rights of Use Performance Materials pursuant to Section 28.4  
of the Hive-down Agreement, as well as the licensed Know-How pursuant to Sec-  
tion 29.2 of the Hive-down Agreement between  
KGaA and PM OpCo**

**A. Specific provisions for trademark license**

**§ 1 Scope of the License**

- 1.1 KGaA grants to PM OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the trademarks licensed under Section 28.4.a of the Hive-down Agreement solely in the course of the ordinary business operations of the Performance Materials sector, as specified in paragraph 2.c) of the Preamble of the Hive-down Agreement. In particular, the license includes the right to use the licensed trademarks to identify PM OpCo products and services in the ordinary course of business of the Performance Materials sector.
- 1.2 The above license shall also be granted for any and all future trademarks which KGaA has applied for or registered in extension, modification or further development of the trademarks licensed in accordance with Section 1.1.
- 1.3 PM OpCo shall not be permitted to grant sublicenses to third parties without the prior written consent of KGaA with regard to the respective sublicense.

**§ 2 Use of the licensed trademarks**

- 2.1 PM OpCo shall have the right to use the trademarks licensed herein in combination with any other trademarks, names, and trade names owned by or licensed to PM OpCo.
- 2.2 PM OpCo may only use the licensed trademarks within the scope of guidelines relating to corporate identity provided by KGaA.
- 2.3 PM OpCo shall be prohibited from modifying the licensed trademarks or using such modified trademarks. In particular, PM OpCo shall be prohibited from developing, registering or otherwise using identical or confusingly similar characters, names, logos, or images in any part of the world. The sole right to extend, modify or further develop the licensed trademarks worldwide shall lie with KGaA. Should PM OpCo be interested in any extension, modification or further development of any trademark, it may submit respective proposals to KGaA. In this case, KGaA shall not be obligated to implement the such proposals. Should KGaA implement a corresponding proposal so submitted by PM OpCo, Section 1.2 shall apply.

- 2.4 PM OpCo acknowledges that KGaA is exclusively entitled to the value and reputation (*goodwill*) of the licensed trademarks and all associated rights. PM OpCo undertakes to refrain from any action that could diminish or damage the value or reputation of the trademark.

### **§ 3 Registration, prosecution, maintenance, defense and enforcement of trademark rights**

- 3.1 KGaA shall have the sole right and obligation to take all necessary actions to maintain and prosecute the licensed trademarks during the term of this License Agreement. This includes, in particular, the timely submission of required applications, the timely submission of required declarations and the timely payment of official fees, as well as the defense against oppositions, revocations or similar proceedings against the licensed trademarks. As part of its prosecution, KGaA shall have the right to abandon licensed trademarks in the ordinary course of its business operations. If the abandoning of any trademarks involves substantial interests of PM OpCo, KGaA may only abandon such trademarks upon the prior consent of PM OpCo.
- 3.2 As between KGaA and PM OpCo and during the term of this License Agreement, KGaA shall have the sole right to enforce the licensed trademarks against current or potential infringers. KGaA shall take PM OpCo's interests into account. PM OpCo must immediately inform KGaA upon becoming aware of a current or potential infringement of the licensed trademarks. PM OpCo shall further provide appropriate assistance to KGaA with regard to the enforcement of the licensed trademarks in the Performance Materials sector.

## **B. Specific provisions for patent license**

### **§ 4 Scope of the License**

- 4.1 KGaA grants to PM OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the patent rights licensed under Section 28.4.b of the Hive-down Agreement solely in the course of the ordinary business operations of the Performance Materials sector, as specified in paragraph 2.c) of the Preamble of the Hive-down Agreement. In particular, the license includes the right to manufacture and sell PM OpCo products in the ordinary course of business of the Performance Materials sector.
- 4.2 The above license shall also be granted for any and all future patent rights that KGaA has applied for or registered claiming the priority of the patent rights licensed under Section 4.1 above.
- 4.3 PM OpCo shall only be permitted to grant sublicenses to third parties under the license granted to it in accordance with Section 4.1 to the extent it is necessary for the purposes of its ordinary business operations (e.g., in relation to

the appointment of subcontractors) and upon the prior written consent of KGaA with regard to the respective sublicense.

## **§ 5 Registration, prosecution, maintenance, defense and enforcement of patent rights**

- 5.1 KGaA shall have the sole right and obligation to take all necessary actions to maintain and prosecute the licensed patent rights during the term of this License Agreement. This includes, in particular, the right to solely determine a filing strategy, the timely filing of required applications, the timely submission of required declarations and statements and the timely payment of official fees, as well as the defense against any oppositions, revocations, or similar proceedings against the licensed patents. As part of the prosecution, KGaA may abandon licensed patents in the ordinary course of its business operations. If the abandoning of any patent right involves substantial interests of PM OpCo, KGaA may only abandon such patent upon the prior consent of PM OpCo.
- 5.2 As between KGaA and PM OpCo and during the term of this License Agreement, KGaA shall have the sole right to enforce the licensed patent rights against current or potential infringers. KGaA shall take PM OpCo's interests into account. PM OpCo must immediately inform KGaA upon becoming aware of a current or potential infringement of the licensed patents. PM OpCo shall further provide appropriate assistance to KGaA with regard to the enforcement of the licensed patent in the Performance Materials sector.

## **C. Specific provisions for license to copyrights and ancillary copyrights, as well as exploitation rights in copyrights**

### **§ 6 Scope of the license**

KGaA grants to PM OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the copyrights and ancillary copyrights licensed in accordance with Section 28.4.c of the Hive-down Agreement exclusively in the ordinary course of business of the Performance Materials sector as specified in Section 2.c) of the Preamble to the Hive-down Agreement.

### **§ 7 Defense**

As between KGaA and PM OpCo and during the term of this License Agreement, KGaA shall have the sole right to enforce the licensed copyrights and ancillary copyrights against current or potential infringers. KGaA shall take PM OpCo's interests into account. PM OpCo must immediately inform KGaA upon becoming aware of a current or potential infringement of the licensed copyrights and ancillary copyrights. PM OpCo shall further provide appropriate assistance to KGaA with regard to the enforcement of the licensed copyrights and ancillary copyrights in the Performance Materials sector.

## D. Specific provisions for license to Know-How

### § 8 Scope of the license

- 8.1 KGaA grants to PM OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable license to use the Know-How licensed in accordance with Section 29.2 of the Hive-down Agreement exclusively in the ordinary course of business of the Performance Materials sector as specified in Section 2.c) of the Preamble to the Hive-down Agreement.
- 8.2 PM OpCo shall only be permitted to grant sublicenses to third parties under the license granted to it in accordance with Section 8.1 to the extent it is necessary for the purpose of its ordinary business operations (e.g., in relation to the appointment of subcontractors) and upon the prior written consent of KGaA with regard to the respective sublicense.
- 8.3 Sections 29.5 and 29.6 of the Hive-down Agreement shall remain unaffected.

## E. Specific provisions for license to Rights of Use

### § 9 Scope of the license

KGaA grants to PM OpCo a perpetual, irrevocable (subject to the provisions of Section 13.2), non-exclusive, royalty-free, non-transferable, and non-sublicensable sublicense to use the Licensed Rights of Use Performance Materials according to Section 28.4.d of the Hive-down Agreement exclusively in the ordinary course of business of the Performance Materials sector as specified in Section 2.c) of the Preamble to the Hive-down Agreement. The granted right to use the Licensed Rights of Use Performance Materials shall be limited to those types of use which KGaA itself may exercise. The scope of the respective Right of Use is specified in the agreement concluded between KGaA and the respective licensor (**Principle Agreement**) and terminates upon termination of KGaA's rights under the Principle Agreement. PM OpCo undertakes to comply with all restrictions and obligations of KGaA under the Principle Agreement in such manner that KGaA is able to fulfill its contractual obligations towards the Licensor.

## F. General provisions

### § 10 Limitations on disposal, third-party rights

The rights granted in this License Agreement shall apply only to the extent to which KGaA is entitled to dispose of them at the date of its execution. The provisions of this License Agreement shall have no effect on prior licenses granted to third parties under the Licensed Property Rights Performance Materials or the Licensed Rights of Use

Performance Materials, and the rights and obligations of the third party or KGaA set forth therein.

### **§ 11 Assistance**

PM OpCo shall assist KGaA at its own expense with the registration, prosecution, maintenance, defense and enforcement of the Licensed Property Rights or Licensed Rights of Use under this License Agreement and, where appropriate, issue required statements.

### **§ 12 Cost allocation**

PM OpCo shall reimburse KGaA on a pro rata basis for all costs incurred by KGaA in connection with the registration, prosecution, maintenance, defense, and enforcement of the Licensed Property Rights or Licensed Rights of Use under this License Agreement. The proportion of costs to be borne by PM OpCo is to be determined based on the extent to which the respective Licensed Property Right or Licensed Right of Use is used by PM OpCo in comparison to the total use of the respective Licensed Property Right or Licensed Right of Use in the Group. Details shall be agreed upon by the Parties from time to time by mutual agreement.

### **§ 13 Term and termination**

- 13.1 The License Agreement is concluded for an indefinite period of time.
- 13.2 In the event a change of control occurs at PM OpCo or their legal successors, KGaA may terminate the granted licenses for due cause without being obligated to compensate PM OpCo or their legal successors. If KGaA exercises such right to terminate the License Agreement, all rights and obligations stipulated herein shall terminate with immediate effect. A change of control is deemed to have occurred when a third party, which is not an "affiliated company" of PM OpCo or its legal successors in terms of Section 15 et.seq. German Stock Corporation Act (*AktG*), solely or jointly with other third parties directly or indirectly acquires more than 50% of the company shares of PM OpCo or its legal successors or otherwise gains control, whether such control is gained by acquiring company shares, by way of a merger, or as a result of other statutory or contractual measures.
- 13.3 Unless otherwise specified in this License Agreement, this License Agreement may only be terminated if the termination right cannot be waived under applicable law.
- 13.4 If the License Agreement is terminated, all rights and obligations of the Parties under this License Agreement shall be void with immediate effect and without any Party's right to claim compensation. In case of termination of this License Agreement, PM OpCo shall cease the use of the Licensed Property Rights Performance Materials and the Licensed Rights of Use Performance Materials immediately.

### **Annex 28.4.a**

#### **Shared IP Trademarks and Brands Performance Materials**



## Shared IP Trademarks and Brands Performance Materials

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

## I. Trademarks

| Trademark                                       | Application number   | Case number according to internal database |
|-------------------------------------------------|----------------------|--------------------------------------------|
| LIVING SCIENCE, TRANSFORMING LIVES              | 008685729            | TM8941EU00                                 |
| MERCK SERONO LIVING SCIENCE, TRANSFORMING LIVES | 008876567            | TM9046EU00                                 |
| MERCK SERONO-LOGO 3 WITH TAGLINE                |                      | TM9034WO00                                 |
| MERCK SERONO-LOGO 3                             |                      | TM9008WO00                                 |
| MERCK-SERONO                                    | 306 59 136.7/05      | TM3858DE00                                 |
| MERCK SERONO BIOPHARMACEUTICALS                 | 306 59 457.9         | TM3860DE00                                 |
| EMD SERONO                                      | 306 59 456.0         | TM3862DE00                                 |
| EMD SERONO-LOGO                                 | 307 04 450.5         | TM3978DE00                                 |
| MERCK SERONO                                    | 306 59 135.9         | TM3857DE00                                 |
| MERCK SERONO-LOGO 2                             | 30 2009 063 326.6/05 | TM8937DE00                                 |
| EMD SERONO LOGO 2                               | 30 2009 063 325.8/05 | TM8938DE00                                 |
| MERCK SERONO-LOGO 3                             | 30 2009 076 191.4/05 | TM9008DE00                                 |
| EMD SERONO-LOGO 3                               | 30 2009 076 190.6/05 | TM9009DE00                                 |
| MERCK SERONO-LOGO 3 WITH TAGLINE                | 30 2010 007 621.6/05 | TM9034DE00                                 |
| MERCK SERONO LIVING SCIENCE, TRANSFORMING LIVES | 008876567            | TM9046EU00                                 |
| MERCK SERONO-LOGO 2 WITH TAGLINE                | 30 2009 063 327.4/05 | TM8939DE00                                 |
| EMD SERONO-LOGO 2 WITH TAGLINE                  | 30 2009 063 323.1/05 | TM8940DE00                                 |
| LIVING SCIENCE, TRANSFORMING LIVES              | 30 2009 063 330.4/05 | TM8941DE00                                 |
| MERCK SERONO LIVING SCIENCE, TRANSFORMING LIVES | 30 2009 063 328.2/05 | TM8942DE00                                 |
| EMD SERONO LIVING SCIENCE, TRANSFORMING LIVES   | 30 2009 063 329.0/05 | TM8943DE00                                 |
| LIVING SCIENCE, TRANSFORMING LIVES              | 008685729            | TM8941EU00                                 |
| MERCK                                           | 000283986            | TM5305EU00                                 |
| MERCK-ELEMENTE 6                                | 002379212            | TM5382EU00                                 |
| MERCK-CODE 1                                    | 002372266            | TM5373EU00                                 |
| MERCK-CODE 2                                    | 002377257            | TM5374EU00                                 |
| MERCK-ELEMENTE 6                                | 770113               | TM5382WO00                                 |
| UNLEASH THE POTENTIAL OF SCIENCE FOR LIFE       | 009247958            | TM9156EU00                                 |
| MERCK-ELEMENTE 7                                | 003357035            | TM7665EU00                                 |
| MRK                                             | 1 029 774            | TM4114WO00                                 |
| LIVE A BETTER LIFE                              | 009278078            | TM9155EU00                                 |
| MERCK - CUSTOMER CENTRIC - TECHNOLOGY DRIVEN    | 899508               | TM3637WO00                                 |
| MERCK-ELEMENTE 6                                | 1059080              | TM9102WO00                                 |
| MERCK                                           | 1057911              | TM9104WO00                                 |
| .MERCK                                          | 1137015              | TM24315WO00                                |
| INNOSPIRE                                       | 014868418            | TM25499EU00                                |
| OUTCUBATOR                                      | 014868401            | TM25498EU00                                |
| MERCK M INITIAL-LOGO                            | 016159097            | TM25487EU00                                |
| MERCK M CELLS-LOGO                              | 016159063            | TM25485EU00                                |
| MERCK                                           | 016159048            | TM25544EU00                                |
| MERCK ONE BLACK-LOGO                            | 016159089            | TM25483EU00                                |
| MERCK ONE BLUE-LOGO                             | 016159055            | TM25484EU00                                |
| MERCK M STRINGS-LOGO                            | 016159071            | TM25486EU00                                |
| MERCK - CUSTOMER CENTRIC - TECHNOLOGY DRIVEN    | 306 19 231           | TM3637DE00                                 |
| MERCK-CODE 2                                    | 306 44 586.7         | TM5374DE00                                 |
| MERCK                                           | 306 44 584.0         | TM5305DE00                                 |
| MERCK CROP BIOSCIENCE                           | 306 44 585.9         | TM3816DE00                                 |
| MERCK-MINILAB                                   | 307 02 788.0         | TM3969DE00                                 |
| SERVICE-SPIEGEL-LOGO                            | 396 27 946.5         | TM6194DE00                                 |
| MERCK                                           | 000283986            | TM5305EU00                                 |
| EMD                                             | 300 91 894.1         | TM3002DE00                                 |
| GPHF-MINILAB                                    | 397 34 334.5         | TM4557DE00                                 |
| LIFE CYCLE MANAGEMENT                           | 398 74 250.2         | TM5169DE00                                 |
| MERCK-CODE 1                                    | 301 30 670.2         | TM5373DE00                                 |
| MERCK-CODE 2                                    | 301 30 671.0         | TM5374DE01                                 |
| MERCK-ELEMENTE 6                                | 301 30 667.2         | TM5382DE00                                 |
| EMD-CODE 1                                      | 301 30 665.6         | TM3040DE00                                 |
| EMD-CODE 2                                      | 301 30 664.8         | TM3043DE00                                 |

## Shared IP Trademarks and Brands Performance Materials

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

| Trademark                                 | Application number     | Case number according to internal database |
|-------------------------------------------|------------------------|--------------------------------------------|
| MERCK-ELEMENTE 6                          | 002379212              | TM5382EU00                                 |
| MERCK-CODE 2                              | 002377257              | TM5374EU00                                 |
| MERCK-CODE 1                              | 002372266              | TM5373EU00                                 |
| EMD                                       | 301 71 783.4           | TM3002DE01                                 |
| EMD                                       | 301 70 622.0           | TM3002DE02                                 |
| E.MERCK                                   | M61208/5WZ             | TM2537DE00                                 |
| EM-LOGO 1                                 | M24006/5WZ             | TM2927DE00                                 |
| E.MERCK                                   | M55043/5WZ             | TM2537DE01                                 |
| EMERCK-LOGO                               | M9707/5WZ              | TM3149DE00                                 |
| MERCK CHIMIE                              | 302 31 897.6           | TM7285DE00                                 |
| PERSPEKTIVEN-COME2MERCK.DE                | 303 05 096.9           | TM7484DE00                                 |
| MERCK                                     | M46154/42WZ            | TM5305DE01                                 |
| MERCK                                     | M46166/42WZ            | TM5305DE02                                 |
| MERCK-ELEMENTE 7                          | 003357035              | TM7665EU00                                 |
| MERCK-ELEMENTE 8                          | 304 06 658.3           | TM7719DE00                                 |
| MERCK-ELEMENTE 9                          | 304 06 659.1           | TM7720DE00                                 |
| MERCK                                     | M9709/5WZ              | TM5305DE04                                 |
| MERCK                                     | M49562/10WZ            | TM5305DE05                                 |
| MERCK                                     | M 4119                 | TM5305DE06                                 |
| VINCIP                                    | 304 29 670.8           | TM8691DE00                                 |
| MERK                                      | 304 41 699.1           | TM1758DE00                                 |
| PHARMAMALL                                | 300 55 326.9           | TM3068DE00                                 |
| B2B-PHARMAMALL                            | 300 55 327.7           | TM3069DE00                                 |
| BALKENETIKETT-MERCK-CODE 2                | 305 23 705.5           | TM3217DE00                                 |
| WAPPENMARKE-LOGO                          | M9708/5WZ              | TM6680DE00                                 |
| BKK MERCK-LOGO                            | 30 2009 040 703.7/36   | TM8839DE00                                 |
| PHARMAMALL-LOGO                           | 30 2009 054 058        | TM8872DE00                                 |
| PHARMA-MALL                               | 30 2009 054 065.0 / 05 | TM8970DE00                                 |
| MERCK-ELEMENTE 10                         | 30 2010 011 428.2/05   | TM9057DE00                                 |
| MERCKMILLIPORE                            | 30 2010 011 349.9/05   | TM9068DE00                                 |
| MERCK-MILLIPORE                           | 30 2010 011 346.4/05   | TM9070DE00                                 |
| LIVE A BETTER LIFE                        | 009278078              | TM9155EU00                                 |
| UNLEASH THE POTENTIAL OF SCIENCE FOR LIFE | 009247958              | TM9156EU00                                 |
| DOTMERCK                                  | 302012044933.6         | TM24314DE00                                |
| .MERCK                                    | 302012044932.8         | TM24315DE00                                |
| MERCK - LIVING INNOVATION                 | 302012065618           | TM24646DE00                                |
| EMD - LIVING INNOVATION                   | 30 2012 065 619.6/05   | TM24647DE00                                |
| EMERCK (CYRILLIC)                         | 302014036627           | TM25063DE00                                |
| EMERCK (CHINESE)                          | 302014072854           | TM25067DE00                                |
| MD PERFORMANCE MATERIALS                  | 302015047307           | TM25407DE00                                |
| OUTCUBATOR                                | 014868401              | TM25498EU00                                |
| INNOSPIRE                                 | 014868418              | TM25499EU00                                |
| MERCK                                     | 302016002907           | TM25544DE00                                |
| MERCK                                     | 016159048              | TM25544EU00                                |
| MERCK ONE BLACK-LOGO                      | 016159089              | TM25483EU00                                |
| MERCK ONE BLUE-LOGO                       | 016159055              | TM25484EU00                                |
| MERCK M STRINGS-LOGO                      | 016159071              | TM25486EU00                                |
| MERCK M INITIAL-LOGO                      | 016159097              | TM25487EU00                                |
| MERCK M CELLS-LOGO                        | 016159063              | TM25485EU00                                |
| MILLIPORE SIGMA                           | 302016001107           | TM25521DE00                                |
| MERCK ONE BLACK-LOGO                      | 302015055533           | TM25483DE00                                |
| MERCK ONE BLUE-LOGO                       | 302015055534           | TM25484DE00                                |
| MERCK M CELLS-LOGO                        | 302015055537           | TM25485DE00                                |
| MERCK M STRINGS-LOGO                      | 302015055535           | TM25486DE00                                |
| MERCK M INITIAL-LOGO                      | 302015055536           | TM25487DE00                                |
| EMD SERONO-LOGO 4                         | 302015055977           | TM25488DE00                                |
| EMD PERFORMANCE MATERIALS-LOGO            | 302015055976           | TM25489DE00                                |
| MILLIPORE SIGMA-LOGO                      | 302015056289           | TM25490DE00                                |
| WellFair                                  | 302013061604           | TM24807DE00                                |
| MERCK - WIR LEBEN INNOVATION              | 30 2012 065 621.8/05   | TM24657DE00                                |
| MERCK MANUAL                              | 30 2013 023 550.9/16   | TM24701DE00                                |
| MERONO                                    | 302015041921           | TM25387DE00                                |
| MERSERONO                                 | 302015041920           | TM25388DE00                                |
| MERXUS                                    | 302015041923           | TM25390DE00                                |
| MERCK-ELEMENTE 6                          | 30 2010 026 325.3/07   | TM9102DE00                                 |

## Shared IP Trademarks and Brands Performance Materials

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

| Trademark              | Application number   | Case number according to internal database |
|------------------------|----------------------|--------------------------------------------|
| MERCK-CODE 2           | 30 2010 026 324.5/07 | TM9103DE00                                 |
| MERCK                  | 30 2010 026 323.7/07 | TM9104DE00                                 |
| MERCK MILLIPORE        | 1068427              | TM9239WO00                                 |
| MERCK-ELEMENTE 12      | 1065019              | TM9256WO00                                 |
| MERCK-ELEMENTE 13      | 1065067              | TM9257WO00                                 |
| MERCK-ELEMENTE 14      | 1065068              | TM9258WO00                                 |
| MERCK MILLIPORE-LOGO 1 | 1064643              | TM9245WO00                                 |
| MERCK MILLIPORE-LOGO 2 | 1065064              | TM9246WO00                                 |
| MERCK-ELEMENTE 11      | 1065066              | TM9255WO00                                 |
| EMD-MILLIPORE          | 30 2010 011 347.2/05 | TM9067DE00                                 |
| EMDMILLIPORE           | 30 2010 011 348.0/05 | TM9069DE00                                 |
| MERCK MILLIPORE        | 30 2010 060 471.9/05 | TM9239DE00                                 |
| EMD MILLIPORE          | 30 2010 060 472.7/05 | TM9240DE00                                 |
| MERCK MILLIPORE-LOGO 1 | 30 2010 061 170.7/01 | TM9245DE00                                 |
| MERCK MILLIPORE-LOGO 2 | 30 2010 061 172.3/01 | TM9246DE00                                 |
| MERCK MILLIPORE-LOGO 3 | 30 2010 061 175.8/01 | TM9247DE00                                 |
| MERCK MILLIPORE-LOGO 4 | 30 2010 061 177.4/01 | TM9248DE00                                 |
| MERCK MILLIPORE-LOGO 5 | 30 2010 061 179.0/01 | TM9249DE00                                 |
| EMD MILLIPORE-LOGO 1   | 30 2010 061 171.5/01 | TM9250DE00                                 |
| EMD MILLIPORE-LOGO 2   | 30 2010 061 173.1/01 | TM9251DE00                                 |
| EMD MILLIPORE-LOGO 3   | 30 2010 061 176.6/01 | TM9252DE00                                 |
| EMD MILLIPORE-LOGO 4   | 30 2010 061 178.2/01 | TM9253DE00                                 |
| EMD MILLIPORE-LOGO 5   | 30 2010 061 180.4/01 | TM9254DE00                                 |
| MERCK-ELEMENTE 11      | 30 2010 061 181.2/01 | TM9255DE00                                 |
| MERCK-ELEMENTE 12      | 30 2010 061 182.0/01 | TM9256DE00                                 |
| MERCK-ELEMENTE 13      | 30 2010 061 183.9/01 | TM9257DE00                                 |
| MERCK-ELEMENTE 14      | 30 2010 061 184.7/01 | TM9258DE00                                 |

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

## II. Domains

|                                    |                                           |                                        |
|------------------------------------|-------------------------------------------|----------------------------------------|
| merckindiapharma.com               | merckblog.de                              | mdpha.de                               |
| merckseronocmc.com                 | vernakalant.de                            | merckseronodeutschland.de              |
| merono-biopharma.com               | emdserono.de                              | merck-pharma.de                        |
| merono-pharma.com                  | emd-serono.de                             | merckserono-deutschland.de             |
| merono-corporation.com             | emdcropbioscience.de                      | merck-serono-deutschland.de            |
| mgroup.com                         | merck-customercentric-technologydriven.de | merck-team.de                          |
| merck-family-foundation.com        | emdserono-biopharmaceuticals.de           | rheuma-partner.de                      |
| merck-stadion-am-boellenfalltor.de | emdseronobiopharmaceuticals.de            | xn--antikrpertherapiepartner-poc.de    |
| merckstadion-am-boellenfalltor.de  | merckseronobiopharmaceuticals.de          | xn--gynkologiestrategiepartner-sqjb.de |
| merck-stadionam-boellenfalltor.de  | fondril.de                                | zns-partner.de                         |
| merckstadion-amboellenfalltor.de   | merck-seronobiopharmaceuticals.de         | znspartner.de                          |
| merckstadionam-boellenfalltor.de   | merck-serono-biopharmaceuticals.de        | merck-events.de                        |
| merckstadionamboellenfalltor.de    | merck-serono-biopharmaceuticals.de        | reiffuerswunschkind.de                 |
| merck-stadion-am-boelle.de         | merck-serono.de                           | reif-fuers-wunschkind.de               |
| merck-stadion-amboelle.de          | merckserono.de                            | xn--reif-frs-wunschkind-bbc.de         |
| merckstadion-am-boelle.de          | schuchardt.de                             | xn--reifferswunschkind-62b.de          |
| merckstadionamboelle.de            | merck-shared-services-europe.de           | reiffuerswunschkind.de                 |
| merckstadionam-boelle.de           | thiobion.de                               | xn--reif-frs-wunschkind-bbc.de         |
| stadionamboellenfalltor.de         | gababion.de                               | reiffuerswunschkind-mzb.de             |
| boellenfalltorstadion.de           | olmitarg.de                               | makegreathingshappen.de                |
| ceo-direct-merck.de                | kidabion-iq.de                            | make-great-things-happen.de            |
| ceo-direct.de                      | olmeral.de                                | innovation-boost.de                    |
| ceodirect.de                       | msse.de                                   | innovation-cup.de                      |
| come2merck.de                      | corvalor.de                               | innovationcup.de                       |
| cometomerck.de                     | valox.de                                  | fertiltaet-experten.de                 |
| cometwomerck.de                    | valcorsan.de                              | wir-wuenschen-uns-ein-baby.de          |
| emerck.de                          | merckseronopharma.de                      | xn--wir-wuenschen-uns-ein-baby-zsc.de  |
| globalab.de                        | merck-serono-pharma.de                    | eeva-test.de                           |
| labdirect.de                       | merckbiosciences.de                       | merckstadion.de                        |
| labneeds.de                        | merck-magazin.de                          | merckarena.de                          |
| labperfect.de                      | merckmagazin.de                           | stadion-merck.de                       |
| labserve.de                        | sartavance.de                             | merck-stadion.de                       |
| labservice.de                      | oreza.de                                  | arena-merck.de                         |
| labtoday.de                        | corporate-compliance-office.de            | arenamerck.de                          |
| labtotal.de                        | corporate-compliance-network.de           | merck-arena.de                         |
| merckcareer.de                     | merckmeetingplanner.de                    | originalmerck.de                       |
| merckgenerics.de                   | merckdrugdelivery.de                      | original-merck.de                      |
| merckgroup.de                      | merckeprova.de                            | the-original-merck.de                  |
| merckjobs.de                       | merck-eprva.de                            | merck-the-original.de                  |
| merckkarriere.de                   | post-aan.de                               | merck-dasoriginal.de                   |
| mercknet.de                        | milliporemerck.de                         | merckdasoriginal.de                    |
| mymerck.de                         | millipore-merck.de                        | mercktheoriginal.de                    |
| unilabor.de                        | merckmillipore.de                         | merck-das-original.de                  |
| e-merck.de                         | emd-millipore.de                          | ms-ventures.de                         |
| alkoholkrankheit.de                | merck-millipore.de                        | ms-venture.de                          |
| merckweb.de                        | emd-millipore.de                          | m-s-ventures.de                        |
| sorensia.de                        | innospire.de                              | m-s-venture.de                         |
| feminova-plus.de                   | merckserono-servicecenter.de              | merck-manuals.de                       |
| nidonnid.de                        | e-merckpharma.de                          | voicesmerck.de                         |
| nidonil.de                         | gynaekologie-partner.de                   | mercklivinginnovation.de               |
| merck-internal.de                  | gynaekologiestrategiepartner.de           | merck-livinginnovation.de              |
| merck-logistics.de                 | hormonsubstitution.de                     | biolife.de                             |
| merck-media.de                     | l-thyroxin-merck.de                       | stadionmerck.de                        |
| merck-internal-gmg.de              | merck-medizinfortbildung.de               | merckserono-shop.de                    |
| vincip.de                          | merck-medizinpartner.de                   | eevatest.de                            |
| merck-generics.de                  | merck-web.de                              | servicecenter-merck.de                 |
| asimadoline.de                     | merckexcellence.de                        | merck-servicecenter.de                 |
| kidabion.de                        | merck-pharma-web.de                       | ivf-merck.de                           |
| isdcm.de                           | merckpharma.de                            | ivfmerck.de                            |
| sertrox.de                         | merckpharma24.de                          | ferticheck.de                          |
| losartion.de                       | initiative-kinderwunsch.de                | merck-manual.de                        |
| clonapam.de                        | sustainableprotectionbymerck.de           | expertenchat-fertinet.de               |
| clamentin.de                       | sustainableprotectionbyemd.de             | merck-im-dialog.de                     |
| merck-trials.de                    | academia-merck.de                         | conjugunsnosexpertises.com             |
| mercktrials.de                     | cmepartner.de                             | melirid.com                            |
| merck-generika.de                  | cortisonpartner.de                        | melivance.com                          |
| merckgenerika.de                   | cme-partner.de                            | vincip.com                             |
| merck-group.de                     | forum-fertinet.de                         | cibis3.com                             |
|                                    | kortisonpartner.de                        | merckchem.org                          |
|                                    |                                           | emdseronocompassionatecare.com         |
|                                    |                                           | come2emdserono.com                     |

## Shared IP Trademarks and Brands Performance Materials

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

|                                     |                                   |                                   |
|-------------------------------------|-----------------------------------|-----------------------------------|
| merckchem.net                       | merckinc.com                      | joy-ofdiscovery.com               |
| emdseronooncology.com               | emdserono-ghi.com                 | joyof-discovery.com               |
| oncologyatemdserono.com             | merckserono-ghi.com               | making-lifericher.com             |
| emdsoncology.com                    | emdpharmaceutical.com             | makinglife-richer.com             |
| merck-group.com                     | merckserono-ghi.org               | mserono.com                       |
| merck-group.net                     | emdserono-ghi.org                 | mdserono.com                      |
| e-merck.net                         | merckcareer.com                   | mdmilliporesigma.com              |
| emerck.net                          | merckjobs.com                     | m-serono.com                      |
| merck-group.org                     | merck-online.com                  | md-serono.com                     |
| e-merck.org                         | biometmerck.com                   | m-milliporesigma.com              |
| emerck.org                          | emdseronoevents.com               | m-millipore-sigma.com             |
| merckgroup.net                      | merckserono.com                   | md-milliporesigma.com             |
| excellence-academy.org              | mercksereno.com                   | md-millipore-sigma.com            |
| smokeinhalationtreatment.org        | merckserenobiopharmaceuticals.com | mdmillipore-sigma.com             |
| merck-arena.com                     | merckserenobiopharma.com          | harleco.com                       |
| merck-stadion.com                   | merck-sereno.com                  | gonovel.net                       |
| arena-merck.com                     | merck-serono.com                  | merck-sigma.com                   |
| arenamerck.com                      | mercksereno.net                   | mercksigma.com                    |
| stadion-merck.com                   | merck-sereno.net                  | merck-sigma.net                   |
| merckstadion.com                    | merckseronobiopharmaceuticals.com | mercksigma.net                    |
| merckarena.com                      | merckseronobiopharma.com          | emdsigmaaldrich.net               |
| smokeinhalationtreatment.com        | merck-serono.net                  | emd-sigma.com                     |
| smokeinhalationtreatment.net        | merckserono.net                   | merck-aldrich.com                 |
| merck-medication-familiale.com      | merckblog.net                     | emd-aldrich.net                   |
| merck-medicationfamiliale.com       | merckserono.org                   | emd-sigma.net                     |
| emdpharmaceuticals.com              | ferticheck.net                    | emd-aldrich.com                   |
| merck-stadion-am-boellenfalltor.com | merck-pharmaceuticals.com         | emdaldrich.net                    |
| merck-stadion-amboellenfalltor.com  | merckpharmaceuticals.com          | merckaldrich.net                  |
| merck-stadionam-boellenfalltor.com  | merckproducts.com                 | merckaldrich.com                  |
| merckstadion-am-boellenfalltor.com  | emdseronobiopharmaceuticals.com   | merck-aldrich.net                 |
| merck-stadionamboellenfalltor.com   | emd-serono.com                    | emdaldrich.com                    |
| merckstadion-amboellenfallor.com    | emdserono-biopharmaceuticals.com  | emdsigma-aldrich.net              |
| merckstadionamboellenfalltor.com    | emdserono.net                     | emdsigmaaldrich.com               |
| merckstadionam-boellenfalltor.com   | merck-serono.org                  | merck-sigma-aldrich.net           |
| merck-stadion-am-boelle.com         | emdserono.org                     | merck-sigmaaldrich.net            |
| merck-stadion-amboelle.com          | ferticheck.org                    | merck-sigma-aldrich.com           |
| merck-stadionamboelle.com           | emd-serono.org                    | mercksigma-aldrich.com            |
| merck-stadionam-boelle.com          | emd-serono.net                    | mercksigmaaldrich.com             |
| merckstadion-am-boelle.com          | emdserono-biopharma.com           | mercksigma-aldrich.net            |
| merckstadion-amboelle.com           | emdseronobiopharma.com            | mercksigmaaldrich.net             |
| boellenfalltor.com                  | fertility-professionals.net       | emd-sigma-aldrich.net             |
| merckstadionam-boelle.com           | o365merckgroup.com                | emd-sigma-aldrich.com             |
| stadionamboellenfalltor.com         | feonlinegame.com                  | merck-sial.com                    |
| boellenfalltorstadion.com           | md-performancematerials.com       | merck-sigmaaldrich.com            |
| merckbio.com                        | md-performance-materials.com      | emd-sigmaaldrich.net              |
| mercksalud.com                      | mdperformancematerials.com        | emdsigmaaldrich.com               |
| jala-latinamerica.com               | mdg-performance-materials.com     | merck-sial.net                    |
| jala.net                            | mdg-performancematerials.com      | emd-sigmaaldrich.com              |
| philharmonie-merck.org              | mdgperformancematerials.com       | mercksial.com                     |
| emdbio.com                          | m-performancematerials.com        | mercksial.net                     |
| philharmonie-merck.com              | m-performance-materials.com       | sigmaaldrichmerck.net             |
| merckegypt.com                      | mervitas.com                      | sigmaaldrich-merck.net            |
| merckseronoconnect.com              | mervitus.com                      | sigma-aldrich-merck.net           |
| make-great-things-happen.com        | merxion.com                       | sigmaaldrichmerck.com             |
| emdpharmaceutical.org               | merck-kgaa-darmstadt-             | sigma-aldrichmerck.net            |
| emdpharmaceutical.net               | Deutschland.com                   | sigmaaldrich-merck.com            |
| minadex.com                         | mrkdg.com                         | aldrich-merck.net                 |
| hofels.com                          | merckkgaadarmstadtDeutschland.com | aldrichmerck.net                  |
| maxepa.com                          | emrkdg.com                        | sigma-aldrichmerck.com            |
| solvitax.com                        | mrk-darmstadt.com                 | merckmillipore-sigmaaldrich.com   |
| merck-generics.net                  | emrk-darmstadt.com                | emdmillipore-sigmaaldrich.com     |
| merck-chimie.com                    | mdDeutschland.com                 | sigma-aldrich-merck.com           |
| merck-financial-services.com        | md-Deutschland.com                | emd-millipore-aldrich.com         |
| codliveroil.org                     | inspired-by-tomorrow.com          | emd-millipore-sigma.com           |
| merck-generics.org                  | specialists-in-tomorrow.com       | merck-millipore-sigma-aldrich.com |
| tyropedia.net                       | ideas-everywhere.com              | merckisotec.com                   |
| corvalor.com                        | joy-of-discovery.com              | merck-millipore-aldrich.com       |
| valcorsan.com                       | making-life-richer.com            | merck-fluko.com                   |
| chromolith.com                      | inspired-bytomorrow.com           | emd-millipore-sigma-aldrich.com   |
| merckserono-signet.com              | inspiredby-tomorrow.com           | merckbioreliance.com              |
| howoldareyourjoints.com             | inspiredbytomorrow.com            | merck-bioreliance.com             |
| howhealthyareyourjoints.com         | specialists-intomorrow.com        | merckcerilliant.com               |
| stadionmerck.com                    | specialistsin-tomorrow.com        | mercksupelco.com                  |
| mm-power2create.com                 | specialistsintomorrow.com         | merck-millipore-sigma.com         |

## Shared IP Trademarks and Brands Performance Materials

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|                                   |                                    |                                  |
|-----------------------------------|------------------------------------|----------------------------------|
| merckfluko.com                    | merck-sigmaaldrich.de              | originalmerck.com                |
| merck-supelco.com                 | merck-aldrich.de                   | merckgroup-grants.com            |
| merck-isotec.com                  | merckaldrich.de                    | emdserono-grants.com             |
| merck-cerilliant.com              | merck-sial.de                      | emdgroup-grants.com              |
| sigmamerck.com                    | aldrichmerck.de                    | merckserono-grants.com           |
| aldrichmerck.com                  | sigma-merck.de                     | merck-grants.com                 |
| aldrich-merck.com                 | aldrich-merck.de                   | emd-grants.com                   |
| sial-merck.net                    | sialmerck.de                       | merkmillipore.com                |
| sialmerck.com                     | romzurto.com                       | merckpharmaceutical.com          |
| sigmamerck.net                    | tyenne.com                         | premiociansemesmerck.com         |
| merckkgaalifescience.com          | naxobutinib.com                    | primerpremiosesmerck.com         |
| sigma-merck.net                   | parentsoffertility.com             | mercknews.com                    |
| sialmerck.net                     | merckfamilyfoundation.com          | merck-generics-stinks.com        |
| emercksigma.com                   | merckff.com                        | merck-generics-sucks.com         |
| sigma-merck.com                   | infusions-mediflor.com             | millipor.com                     |
| emerck-sigma.com                  | infusion-mediflor.com              | merck-efg.com                    |
| merckkga-sigma.com                | oropolis-mediflor.com              | merckefg.com                     |
| merckkgaasigma.com                | m-ventures.com                     | genericosmerck.com               |
| emerck-lifesciences.com           | innovate-and-learn.com             | merck-cosmetica.com              |
| emercklifescience.com             | xn--ditmami-6wa.de                 | merckpigmentos.com               |
| merck-lifesciences.com            | xn--dieditmami-u5a.de              | merckcosmetica.com               |
| merckkgaalifesciences.com         | diaetmami.de                       | merck-pigmentos.com              |
| sial-merck.com                    | diediaetmami.de                    | mercketicos.com                  |
| mercklifescience.com              | merck-sigma.de                     | merck-eticos.com                 |
| emercklifesciences.com            | prometeomerck.com                  | merckfarma.com                   |
| emerck-lifescience.com            | merckmilipore.com                  | merck-oncologia.com              |
| emdlifescience.com                | merck-salud.com                    | merckoncologia.com               |
| emdlifesciences.com               | merckls.com                        | merck-quimica.com                |
| emd-lifesciences.com              | elblogdemercksalud.com             | merckquimica.com                 |
| emd-lifescience.com               | merckmedicationfamiliale.com       | mercksalud-nutricion.com         |
| merck-lifescience.com             | emd-future-leaders.com             | merckpolioles.com                |
| emdsigma.com                      | merck-future-leaders.com           | mercksaludynutricion.com         |
| merckfluka.com                    | merck-kga.com                      | merckelectronica.com             |
| merck-fluka.com                   | merck-chem.com                     | merckindustria.com               |
| merckaldrich.org                  | merckdura.com                      | merckcristalesliquidos.com       |
| emdsigma-aldrich.org              | merck-farma-mcsa.com               | merck-industria.com              |
| emdsigmaaldrich.org               | merck-customercentric-             | merck-it.com                     |
| merck-aldrich.org                 | technologydriven.com               | merckit.com                      |
| emd-sigma.org                     | emerckindia.com                    | merckti.com                      |
| merck-sigma.org                   | mercktraining.com                  | merck-itecnicas.com              |
| mercksigma.org                    | merckegypt.com                     | merck-farma.com                  |
| emdaldrich.org                    | merck-worldwide.com                | merckseronofertility.com         |
| emd-aldrich.org                   | merckserono-biopharmaceuticals.com | merckindia.com                   |
| sigmaaldrich-merck.org            | merck-seronobiopharmaceuticals.com | premiogiornalisticomerck.com     |
| merck-sigma-aldrich.org           | emdserono-signalnet.com            | merck.org                        |
| merck-sigmaaldrich.org            | xn--7gqx1d497bwdo.com              | amarant.org                      |
| mercksigmaaldrich.org             | come2merck.com                     | merckrespiratory.org             |
| mercksial.org                     | merck-magazine.com                 | merck-academy.org                |
| emd-sigma-aldrich.org             | merckmagazine.com                  | merckseronogrowthhormoneinnovati |
| sigmaaldrichmerck.org             | merck-france.com                   | ongrant.org                      |
| merck-sial.org                    | merck-sante.com                    | diabetesfranchise-merck.org      |
| emd-sigmaaldrich.org              | merck-liphasante.com               | merckseronofertility.org         |
| sigma-aldrich-merck.org           | merckkorea.com                     | premiogiornalisticomerck.org     |
| sigma-merck.org                   | ceo-direct-merckkga.com            | merckpharma.net                  |
| sigmamerck.org                    | mercklivinginnovation.com          | merck-dura.net                   |
| aldrich-merck.org                 | merck-livinginnovation.com         | merckdura.net                    |
| aldrichmerck.org                  | 2012-m-seasonsgreetings.com        | merck.net                        |
| sial-merck.org                    | merckserono-myreward.com           | merckrespiratory.net             |
| sialmerck.org                     | fondazione-serono.com              | merckpharmaceutical.net          |
| merck-stadion-amboellenfalltor.de | pulse2011.com                      | pulse2013.com                    |
| merck-stadionam-boelle.de         | merckblog.com                      | merck-survey.com                 |
| mercksial.de                      | merckrespiratory.com               | emd-survey.com                   |
| sial-merck.de                     | lexigenpharm.com                   | catch-curious.com                |
| sigmaaldrich-merck.de             | emdseronostore.com                 | emdsharedservices.com            |
| sigma-aldrichmerck.de             | emanuels-dialog.com                | emdserono.com                    |
| sigma-merck.de                    | merck-the-original.com             | ms-ventures.com                  |
| sigma-aldrich-merck.de            | emd-the-original.com               | emdmillipore.com                 |
| sigmaaldrichmerck.de              | mercktheoriginal.com               | emdgroup.com                     |
| pulse2012.de                      | emdtheoriginal.com                 | merckgroup.com                   |
| mercksigmaaldrich.de              | the-original-emd.com               | merckgroup-congressplanner.com   |
| mercksigma.de                     | the-original-merck.com             | merck.de                         |
| merck-sigma-aldrich.de            | original-emd.com                   | traintoinnovate.com              |
| mercksigma-aldrich.de             | originalemd.com                    | curiosity-merckgroup.com         |
|                                   | original-merck.com                 | curiosity-emdgroup.com           |

## Shared IP Trademarks and Brands Performance Materials

The following Shared IP Trademarks and Brands belong to Merck KGaA, Darmstadt, Germany.

|                                     |                                  |                                       |
|-------------------------------------|----------------------------------|---------------------------------------|
| curiosity-merck.de                  | merck-millipore.org              | ms-venture.net                        |
| come2emd.com                        | milliporemerck.org               | msventure.net                         |
| img-emdserono.com                   | millipore-merck.org              | ms-ventures.net                       |
| merck-cap.com                       | emdmillipore.org                 | merck-eprova.net                      |
| merckmf.com                         | emd-millipore.org                | merckeprova.net                       |
| emdmillipore.com                    | merckdrugdelivery.org            | merck-pharma.net                      |
| merckeurolab.com                    | merckmanuals.org                 | fondazioneserono.net                  |
| merckonline.com                     | merck-manuals.org                | emdsharedservices.net                 |
| emdcanada.com                       | merckmanual.org                  | merck-farma.net                       |
| emd-canada.com                      | merck-manual.org                 | merckworldwide.net                    |
| premioletterariomerckserono.com     | ms-venture.com                   | merckpharmaceuticals.net              |
| mercksuppliers.com                  | m-s-venture.com                  | merckeuropa.net                       |
| mercksupplier.com                   | m-s-ventures.com                 | xn--fiqu9egd10w2n8e7yn77m.net         |
| grantsformedicaleducation.com       | merckge.com                      | m-ventures.net                        |
| carrettausa-emdseronostore.com      | corporate-compliance-network.com | merck-eprova.org                      |
| come2merckgroup.com                 | corporate-compliance-office.com  | ms-venture.org                        |
| merckseronofarma.com                | merckchimie-communications.com   | ms-v.org                              |
| german-merck.com                    | merck-pps.com                    | ms-ventures.org                       |
| merck-Deutschland.com               | mercknet.com                     | msventures.org                        |
| merckDeutschland.com                | emdlexigen.com                   | msventure.org                         |
| germanmerck.com                     | merck-manuals.com                | m-s-venture.org                       |
| xn--9dbazjd9agc.com                 | merck-generics.com               | m-s-ventures.org                      |
| mercip.com                          | merckchem.com                    | merckeprova.org                       |
| mercefex.com                        | merckbiosciences.com             | fondazioneserono.org                  |
| forummerckserono.com                | merckbioscience.com              | merckgenericsgroup.org                |
| merck-shared-services-europe.com    | hypoxiamerckserono.com           | merckpharmaceuticals.org              |
| merck-mf.com                        | maestromerckserono.com           | merckeuropa.org                       |
| merckkgaa-darmstadt-Deutschland.com | maestroemdserono.com             | merckgroup.org                        |
| merck-africa.com                    | merckdermatologie.com            | merckworldwide.org                    |
| merckras.com                        | merckhotels.com                  | merckpharmaceutical.org               |
| mercklab.com                        | merck-hotels.com                 | m-ventures.org                        |
| emdsupplier.com                     | merckthyroexpert.com             | merckseronovitamins.com               |
| emdsuppliers.com                    | merck-uk.com                     | merckresponsibilityfoundation.com     |
| merckindiawebapps.com               | merckmeetingplanner.com          | merck-responsibility-foundation.com   |
| sigmamillipore.com                  | merckb2b.com                     | merck-responsibility.com              |
| sigma-millipore.com                 | pulse2015.com                    | merckfoundation.com                   |
| merk-serono.com                     | pulse2016.com                    | merck-foundation.com                  |
| merkserono.com                      | pulse2014.com                    | curious-18.de                         |
| millipore-merck.com                 | emerck.com                       | curious18.de                          |
| merckmillipore.com                  | e-merck.com                      | futureinsightconference.de            |
| milliporemerck.com                  | emdcropbioscience.com            | future-insight-conference.de          |
| merck-millipore.com                 | merckgenerics.com                | future-insight.de                     |
| emd-millipore.com                   | merck-us.com                     | curiousfuture.de                      |
| mercklifesciences.com               | formacionmerck.com               | curious-future.de                     |
| merckworld.com                      | merck-de.com                     | curiousfutureinsightconference.de     |
| merckkgaa.com                       | dotmerck.com                     | curious-future-insight-conference.de  |
| planetmerck.com                     | merck-iran.com                   | curious-19.de                         |
| mercktrading.com                    | merck-events.com                 | curious19.de                          |
| merckpharma.com                     | merckgastroenterology.com        | curious-20.de                         |
| merck-pharma.com                    | merck-darmstadt.com              | curious20.de                          |
| merckdrugdelivery.com               | merckdarmstadt.com               | curious-21.de                         |
| emdseronovotes.com                  | merckgenericsgroup.com           | curious21.de                          |
| mercksinfronteras.com               | merckworldwide.com               | curious-22.de                         |
| 40yearsphindicatorstripsbymerck.com | merckeuropa.com                  | curious22.de                          |
| merck-catalog.com                   | merck-china.com                  | curious-23.de                         |
| vibrantm.com                        | xn--fiqu9egd10w2n8e7yn77m.com    | curious23.de                          |
| csmmerckefg.com                     | merckde.com                      | curious-24.de                         |
| premioletterariomerckserono.net     | mrk.com                          | curious24.de                          |
| mercklab.net                        | innovation-boost.com             | grandinnovatorprize.de                |
| merck-millipore.net                 | outcubation.com                  | grand-innovator-prize.de              |
| merckmillipore.net                  | merck-me.com                     | greatinnovatorprize.de                |
| emdmillipore.net                    | eprova.com                       | great-innovator-prize.de              |
| emd-millipore.net                   | merserono.com                    | futureinsightprize.de                 |
| milliporemerck.net                  | merck-kpi.com                    | future-insight-prize.de               |
| millipore-merck.net                 | merckvivera.com                  | curious-18.com                        |
| merckdrugdelivery.net               | emd-pharmaceuticals.com          | futureinsightconference.com           |
| merckmanuals.net                    | personalizedteam.com             | future-insight-conference.com         |
| merck-manuals.net                   | m-group.com                      | curiousfuture.com                     |
| merck-manual.net                    | merckbiopharma.com               | curious-future.com                    |
| premioletterariomerckserono.org     | merck-ventures.com               | curiousfutureinsightconference.com    |
| psdi2014.org                        | merckbox.com                     | curious-future-insight-conference.com |
| mercklab.org                        | merckiran.com                    | curious-19.com                        |
| merckmillipore.org                  | m-s-ventures.net                 | curious19.com                         |
|                                     | m-s-venture.net                  |                                       |

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curious-20.com  
 curious20.com  
 curious-21.com  
 curious21.com  
 curious-22.com  
 curious22.com  
 curious-23.com  
 curious23.com  
 curious-24.com  
 grandinnovatorprize.com  
 grand-innovator-prize.com  
 greatinnovatorprize.com  
 great-innovator-prize.com  
 futureinsightprize.com  
 future-insight-prize.com  
 curious-18.net  
 curious18.net  
 futureinsightconference.net  
 future-insight-conference.net  
 curiousfuture.net  
 curious-future.net  
 curiousfutureinsightconference.net  
 curious-future-insight-conference.net  
 curious-19.net  
 curious19.net  
 curious-20.net  
 curious20.net  
 curious-21.net  
 curious21.net  
 curious-22.net  
 curious22.net  
 curious-23.net  
 curious23.net  
 curious-24.net  
 curious24.net  
 grandinnovatorprize.net  
 grand-innovator-prize.net  
 greatinnovatorprize.net  
 great-innovator-prize.net  
 futureinsightprize.net  
 future-insight-prize.net

curious-18.org  
 curious18.org  
 futureinsightconference.org  
 future-insight-conference.org  
 curiousfuture.org  
 curious-future.org  
 curiousfutureinsightconference.org  
 curious-future-insight-conference.org  
 curious-19.org  
 curious19.org  
 curious-20.org  
 curious20.org  
 curious-21.org  
 curious21.org  
 curious-22.org  
 curious22.org  
 curious-23.org  
 curious23.org  
 curious-24.org  
 curious24.org  
 grandinnovatorprize.org  
 grand-innovator-prize.org  
 greatinnovatorprize.org  
 great-innovator-prize.org  
 futureinsightprize.org  
 future-insight-prize.org  
 curious18.com  
 fundacionmercksalud.com  
 curious2018.de  
 curious2018.com  
 curious2018.net  
 curious2018.org  
 curious-2018.de  
 curious-2018.com  
 curious-2018.net  
 curious-2018.org  
 curious-futureinsight.de  
 curious-futureinsight.com  
 curious-futureinsight.net  
 curious-futureinsight.org  
 makingschistory.com

emdseronoportal.com  
 testmerckgroup.com  
 merckserono-training.de  
 worldofnewwork.com  
 thefuturework.com  
 merckme.com  
 medimerk.com  
 medimerck.com  
 thefuturetransformation.de  
 thefuturetransformation.com  
 thefuturetransformation.net  
 thinkdigitaltank.de  
 thinkdigitaltank.com  
 thinkdigitaltank.net  
 merck-bewerbung.de  
 merckseronotraining.de  
 mercksgroup.com  
 merckgroup.com  
 merckgr0up.com  
 merckindiacrm.com  
 merckqgroup.com  
 merckglobalhealth.com  
 emdglobalhealth.com  
 merck-connect.de  
 atsfteam.com  
 email-merckgroup.com  
 performancematerials-merckgroup.com  
 mealibrary.com  
 merckventi.com  
 merckgenesis.com  
 benzonase.com  
 bangaloregenei.com  
 mapkinase.com  
 antibodyguarantee.com  
 bi-ron.com  
 lcmssolvents.com  
 optixifxdispenser.com  
 thedesiccant.com



## Shared IP Trademarks and Brands Performance Materials

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**III. Designs**

| Country                                                                                           | Identification number | Registration number |
|---------------------------------------------------------------------------------------------------|-----------------------|---------------------|
| European Union                                                                                    | ALC-0369-2016         | WIPO52375           |
| European Union                                                                                    | ALC-0370-2016         | WIPO52738           |
| European Union                                                                                    | ALC-0808-2016         | 968312901           |
| Switzerland, Egypt,<br>European Union,<br>Morocco, Oman,<br>Serbia, Singapore,<br>Tunisia, Turkey | ALC-0868-2016         | 968530501           |

### **Annex 28.4.b**

#### **Shared IP Patent Rights Performance Materials**

| Case number according to internal database | Application numbers from competent patent authorities               |
|--------------------------------------------|---------------------------------------------------------------------|
| P 12/227                                   | 10-2015-7017290; 102143896; 13786629.9; 201380062392.8; 2015-544370 |
| P 13/237                                   | 14801935.9; 15/104,690; 2016-541563                                 |
| P 15/040                                   | 102015003472.3                                                      |
| P 15/160                                   | PCT/EP2016/001341                                                   |
| P 15/161                                   | PCT/EP2016/001339                                                   |
| P 15/162                                   | PCT/EP2016/001340                                                   |
| P 16/010                                   | 106102839; PCT/EP2017/000050                                        |
| P 16/062                                   | PCT/EP2017/059849                                                   |
| P 16/175                                   | PCT/EP2017/072551                                                   |
| P 16/282                                   | 106144703; 15/428,577; 15/843,696; 16205928.1; PCT/EP2017/083299    |
| P 16/283                                   | 106144704; 15/428,641; 15/838,774; 16205920.8; PCT/EP2017/083283    |
| P 17/034                                   | 17156321.6                                                          |
| P 17/035                                   | 17156324.0                                                          |
| P 17/036                                   | 17156326.5                                                          |
| P 17/037                                   | 17156327.3                                                          |
| P 17/038                                   | 17156329.9                                                          |
| P 17/039                                   | 17156331.5                                                          |
| P 17/180                                   | 1712006.4                                                           |
| P 17/217                                   | 62/556,090                                                          |
| P 17/218                                   | 62/556,083                                                          |
| P 17/267                                   | 17198633.4                                                          |
| P 17/327                                   | 17210179.2                                                          |
| I 16/286                                   | [not yet available]                                                 |
| I 17/014                                   | [not yet available]                                                 |
| I 17/175                                   | [not yet available]                                                 |
| I 17/286                                   | [not yet available]                                                 |
| I 17/337                                   | [not yet available]                                                 |
| I 17/338                                   | [not yet available]                                                 |

### **Annex 28.4.d**

#### **Shared IP Rights of Use Performance Materials**

## Asset number of the right of use according to accounting

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| 1057857 | 1071665 | 1066912 | 1055953 | 1082532 | 1063816 |
| 1036268 | 1050769 | 1068347 | 1068267 | 1063936 | 1070304 |
| 1068345 | 1051101 | 1059561 | 1082926 | 1048480 | 1053911 |
| 1062815 | 1046674 | 1072314 | 1054689 | 1057033 | 1072122 |
| 1061156 | 1060798 | 1076683 | 1056949 | 1065590 | 1064246 |
| 1059851 | 1067418 | 1062492 | 1054788 | 1051148 | 1050762 |
| 1062814 | 1071814 | 1077172 | 1066739 | 1057677 | 1063935 |
| 1045770 | 1054787 | 1042880 | 1071138 | 1066002 | 1048174 |
| 1077186 | 1076459 | 1042888 | 1054273 | 1081297 | 1049583 |
| 1065446 | 1076684 | 1044155 | 1056492 | 1069913 | 1073133 |
| 1044174 | 1065039 | 1057512 | 1077029 | 1066152 | 1046278 |
| 1071841 | 1051368 | 1075327 | 1044577 | 1060775 | 1048093 |
| 1068346 | 1065413 | 1059850 | 1073738 | 1068200 | 1044144 |
| 1053871 | 1061166 | 1057118 | 1074229 | 1057124 | 1051807 |
| 1061318 | 1067156 | 1058810 | 1070012 | 1059913 | 1054739 |
| 1061574 | 1074349 | 1066589 | 1069658 | 1054577 | 1065012 |
| 1049539 | 1045772 | 1063848 | 1072137 | 1069584 | 1056931 |
| 1066703 | 1054638 | 1081354 | 1076171 | 1050885 | 1051639 |
| 1076336 | 1073599 | 1053923 | 1065593 | 1051787 | 1051786 |
| 1075193 | 1048937 | 1058151 | 1057584 | 1050653 | 1054639 |
| 1067086 | 1071352 | 1082815 | 1054786 | 1067465 | 1042887 |

## **Annex 30.1**

### **Tangible Assets Performance Materials**

## Asset number of the tangible asset according to accounting

|         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1012735 | 1012760 | 1014031 | 751788  | 1059784 | 1014066 | 1004986 | 1064178 | 713490  | 1019123 |
| 1012770 | 755250  | 1012744 | 1014022 | 1010577 | 1076647 | 1051889 | 781888  | 1073850 | 1079087 |
| 1012722 | 1072947 | 1012757 | 1044223 | 1012767 | 1055471 | 1005312 | 1014285 | 1073848 | 1024245 |
| 1027448 | 748783  | 1029643 | 1014064 | 1056056 | 1073222 | 1005311 | 805436  | 1073849 | 2040245 |
| 1051848 | 1012743 | 791375  | 1051862 | 2046746 | 1073223 | 1077752 | 1014102 | 1061864 | 2048515 |
| 1085893 | 1012766 | 1009340 | 1051853 | 308590  | 1070615 | 1051845 | 1065755 | 1063861 | 1023827 |
| 1051854 | 1022946 | 1012754 | 1006239 | 1073847 | 1070616 | 1044642 | 1012772 | 1035183 | 804120  |
| 1022110 | 1030080 | 745424  | 1051859 | 1014024 | 1070617 | 785610  | 1014105 | 1006211 | 373505  |
| 777561  | 1012775 | 1004975 | 1051861 | 1059761 | 1070618 | 1051847 | 789972  | 1006212 | 288213  |
| 1035666 | 1012763 | 1004996 | 1014726 | 1082123 | 1059810 | 1014056 | 1050672 | 1006213 | 790672  |
| 1047119 | 1022131 | 1072951 | 1029641 | 1082124 | 1051887 | 1079222 | 1086468 | 1006214 | 1014101 |
| 1047120 | 1072953 | 1014021 | 1031810 | 749939  | 1052877 | 1070629 | 745426  | 1023604 | 1019267 |
| 1058830 | 1022940 | 1051846 | 1016518 | 1042383 | 1027989 | 1004997 | 1087116 | 1006215 | 1019265 |
| 1068494 | 1014035 | 1012746 | 1059988 | 1004928 | 1070384 | 1004933 | 1086317 | 1006216 | 1019266 |
| 1064174 | 1012764 | 1024266 | 1056048 | 1004929 | 1022125 | 1004934 | 1087243 | 1041690 | 1020028 |
| 1004926 | 1082080 | 1014019 | 1056049 | 1004930 | 777577  | 1063459 | 1073276 | 1014112 | 1050113 |
| 1014011 | 1014016 | 790274  | 1035929 | 1004931 | 732899  | 777557  | 779363  | 254090  | 1061449 |
| 1042793 | 1014029 | 735738  | 1058528 | 1010576 | 1022936 | 1034452 | 1012788 | 1035007 | 1077776 |
| 1082279 | 369940  | 1012738 | 1056046 | 1088103 | 778636  | 1005313 | 2048508 | 1035008 | 1076400 |
| 315464  | 1022129 | 1051855 | 1056047 | 748881  | 1003978 | 791377  | 1051945 | 1012709 | 780480  |
| 1012785 | 1022937 | 1051849 | 1044045 | 1014026 | 1070619 | 1027942 | 1004016 | 2048524 | 1029101 |
| 1069024 | 1022944 | 1029642 | 1030079 | 777565  | 1004999 | 748883  | 796381  | 791805  | 801917  |
| 1014067 | 1022943 | 1014006 | 1073265 | 1003998 | 791376  | 2048527 | 288280  | 1035463 | 743964  |
| 359897  | 1012811 | 1012751 | 1051851 | 1013847 | 1035461 | 1020659 | 745226  | 1051888 | 1040800 |
| 1079056 | 1012758 | 1012747 | 1051857 | 1051850 | 1058532 | 1027943 | 807437  | 1085935 | 806566  |
| 360383  | 1051929 | 1083413 | 2048517 | 1055365 | 1051931 | 1059809 | 1084815 | 777564  | 806567  |
| 1073266 | 1022128 | 1012724 | 789591  | 777576  | 1022115 | 1012634 | 308589  | 1051843 | 748600  |
| 1025372 | 1012628 | 1051579 | 1082878 | 308382  | 360092  | 360398  | 1027468 | 1044377 | 1050122 |
| 1073267 | 1058523 | 1051863 | 1012624 | 1014283 | 1004958 | 1071246 | 1051876 | 1068130 | 734447  |
| 1014028 | 1022127 | 1027924 | 1012828 | 1051569 | 1004956 | 1056062 | 1051879 | 1085882 | 747631  |
| 1027469 | 1012629 | 1064180 | 745434  | 1076552 | 1004961 | 741293  | 1029773 | 1061986 | 1073182 |
| 1056054 | 1012759 | 1073264 | 1012736 | 754532  | 1004960 | 1076401 | 1080952 | 1051841 | 1012336 |
| 1022101 | 1012741 | 2048172 | 1035318 | 1014013 | 1004959 | 1051574 | 1082027 | 1024623 | 1012337 |
| 1014065 | 1034451 | 1012740 | 308391  | 1014014 | 1004957 | 1004984 | 1082028 | 2048507 | 1012338 |
| 792126  | 1012753 | 1058525 | 1080929 | 1051928 | 1019264 | 1087254 | 1072955 | 782124  | 1012339 |
| 790277  | 1012762 | 1075040 | 777553  | 1006898 | 1043265 | 1036264 | 1024579 | 1051948 | 737894  |
| 1012708 | 1014027 | 1075041 | 2041112 | 1006897 | 1018982 | 308384  | 231676  | 1012726 | 1002404 |
| 1027449 | 1022945 | 1014020 | 1012777 | 1006893 | 2047000 | 1022948 | 746175  | 796158  | 1022949 |
| 1014009 | 1022134 | 1088255 | 755041  | 1006896 | 1035462 | 2051514 | 1058524 | 1082082 | 799296  |
| 1046487 | 1014017 | 739553  | 1082125 | 1006894 | 787965  | 1036624 | 1058531 | 1082083 | 754982  |
| 1036849 | 1014023 | 1027983 | 1012689 | 1006895 | 1009382 | 750924  | 1004925 | 1082084 | 1069085 |
| 1014008 | 1022135 | 1004146 | 1073421 | 1051572 | 1051584 | 1014284 | 1004923 | 1082085 | 1025208 |
| 1014010 | 1014062 | 1012750 | 1012690 | 1012630 | 1003977 | 1014100 | 1004924 | 1082087 | 2046487 |
| 1005318 | 1010412 | 1056057 | 1012691 | 785604  | 1051840 | 1006226 | 1036629 | 1082086 | 1073268 |
| 1012620 | 1072952 | 1030078 | 1012693 | 1004932 | 1051842 | 1006227 | 1060270 | 737306  | 796379  |
| 1073271 | 1014030 | 1012826 | 1051852 | 1051577 | 1029359 | 1008950 | 1019262 | 361025  | 747636  |
| 1014046 | 1022133 | 1030084 | 1014050 | 1055364 | 1086503 | 358009  | 1024445 | 1022879 | 792127  |
| 1042399 | 1014068 | 1012742 | 1012692 | 1004998 | 1006246 | 1036850 | 1012776 | 1051911 | 1047121 |
| 1014012 | 1012737 | 1012739 | 1020038 | 1051576 | 796747  | 288159  | 1072956 | 1073853 | 1047122 |
| 1014047 | 1035941 | 785606  | 1004000 | 1024622 | 785420  | 1043266 | 2048516 | 1070358 | 1024651 |
| 1072949 | 1035940 | 1051549 | 1014045 | 2048537 | 777571  | 1051575 | 2045632 | 1012769 | 1071257 |
| 1003969 | 1035942 | 1051860 | 1003963 | 779362  | 1014007 | 1012631 | 1030081 | 1028358 | 1014040 |
| 1051844 | 1022130 | 1072963 | 1005316 | 792129  | 1073090 | 1020003 | 1060213 | 288212  | 1014041 |
| 1061456 | 1022939 | 1012755 | 1042261 | 369813  | 1055329 | 804069  | 732062  | 1070845 | 1014042 |
| 1012625 | 1012745 | 1064175 | 1036857 | 1014097 | 782123  | 1082309 | 796384  | 1049254 | 1037664 |
| 1056055 | 1022149 | 1064176 | 1036858 | 1005315 | 1014059 | 2045962 | 1006217 | 1059765 | 1070983 |
| 1058526 | 1022938 | 791378  | 1035939 | 1043500 | 1027987 | 1006889 | 1006218 | 1004987 | 803928  |
| 1012748 | 804139  | 1022117 | 1052888 | 1004938 | 1044760 | 1006890 | 1006219 | 1082090 | 1063454 |
| 1012761 | 1012752 | 732050  | 1059762 | 1004935 | 747629  | 1006891 | 1006220 | 1082091 | 1073845 |
| 787006  | 1059758 | 1060007 | 791372  | 1004936 | 1012725 | 1006892 | 1006222 | 1082088 | 1024442 |
| 1027443 | 1023583 | 1051578 | 1088112 | 1004937 | 1028689 | 1014104 | 1006221 | 1082089 | 1063455 |
| 804109  | 1022942 | 1058529 | 791371  | 1004939 | 1006104 | 795531  | 1035182 | 1082093 | 359864  |
| 1072948 | 1012627 | 1012780 | 1083418 | 1004940 | 1051614 | 1035005 | 274021  | 1082092 | 1060192 |
| 1072950 | 1006243 | 1014025 | 788366  | 1004941 | 736929  | 1035006 | 1004927 | 792131  | 1070818 |
| 1043498 | 1013839 | 1027941 | 1012617 | 1059759 | 1014103 | 1014287 | 1017789 | 1049256 | 735800  |
| 1088281 | 1022132 | 1072946 | 1085762 | 1022950 | 1022126 | 750480  | 1019263 | 1004910 | 1053436 |
| 1012626 | 1012756 | 1014048 | 1051858 | 779364  | 1014049 | 1064179 | 805878  | 1048826 | 1009443 |
| 1035298 | 1012749 | 1048409 | 1046948 | 1070428 | 1051856 | 1016628 | 787491  | 1014110 | 786541  |
| 755697  | 1022941 | 736959  | 2048345 | 1059760 | 748904  | 1064177 | 1088019 | 1058530 | 1073277 |

## Annex 30.1

## Tangible Assets Performance Materials

|         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1006225 | 1061240 | 1051896 | 722797  | 1003992 | 2051293 | 2046996 | 1029600 | 804835  | 1082131 |
| 1016327 | 1050112 | 1051894 | 728549  | 1035947 | 1028748 | 777562  | 1001601 | 1010309 | 1050106 |
| 1016328 | 787964  | 1085931 | 1044692 | 1035948 | 2047010 | 1046265 | 734498  | 777433  | 1020022 |
| 1006223 | 1049251 | 1035177 | 1063457 | 1044643 | 1079204 | 748779  | 1004962 | 1004977 | 207138  |
| 1006224 | 1051570 | 1035178 | 777540  | 1013841 | 1051918 | 746257  | 1004963 | 1004003 | 1037087 |
| 1059764 | 1079193 | 1036331 | 1035460 | 1058521 | 1051919 | 268280  | 1070939 | 1025038 | 2051188 |
| 231669  | 768571  | 2048584 | 1071904 | 777542  | 748906  | 288203  | 1029563 | 273036  | 1006483 |
| 785419  | 775562  | 778531  | 1042233 | 1056025 | 1003504 | 288205  | 1029564 | 1048649 | 1075903 |
| 1072957 | 363436  | 1077802 | 1070430 | 742459  | 1068165 | 288207  | 765136  | 1079878 | 379408  |
| 1043499 | 1082128 | 787492  | 389123  | 1020034 | 1042791 | 357968  | 1027450 | 756023  | 748782  |
| 1044472 | 2043663 | 1027982 | 1014380 | 1016159 | 1051881 | 2045636 | 1077735 | 1050075 | 1012794 |
| 1009390 | 1002302 | 1058527 | 751824  | 1087124 | 1051917 | 1066466 | 273088  | 780928  | 744664  |
| 1028596 | 733703  | 746253  | 2047006 | 1085928 | 807632  | 804014  | 801709  | 743961  | 2048585 |
| 803352  | 1080936 | 2049530 | 1059263 | 1061938 | 1029271 | 1070386 | 1014060 | 734497  | 1079101 |
| 734500  | 1009342 | 222072  | 1059763 | 1061939 | 732904  | 1049245 | 732906  | 1029426 | 1082064 |
| 1024650 | 1014058 | 1049275 | 805881  | 728418  | 1082101 | 1049247 | 1088020 | 803272  | 1020507 |
| 2046483 | 1023252 | 390175  | 1065032 | 790261  | 1082102 | 1029272 | 1050170 | 1022137 | 88486   |
| 734300  | 1012784 | 1049217 | 1088075 | 1054090 | 1082103 | 360522  | 308473  | 804357  | 804304  |
| 1025209 | 800454  | 1061995 | 1028312 | 1054091 | 1082104 | 1014036 | 308480  | 1088282 | 1056868 |
| 2042689 | 2048587 | 747630  | 1071858 | 1085803 | 753413  | 1035294 | 1013842 | 1012787 | 1044758 |
| 804209  | 1044666 | 804307  | 1022924 | 388218  | 1051877 | 1035292 | 1012765 | 1012852 | 1074832 |
| 1051914 | 1079154 | 1070610 | 1020035 | 1079242 | 1051886 | 1035293 | 1051890 | 1042064 | 1070356 |
| 1051915 | 1069025 | 803927  | 1020036 | 1014033 | 1006240 | 1035295 | 1051891 | 751330  | 1009350 |
| 1014039 | 2043642 | 1025216 | 1009352 | 1044726 | 1047781 | 1035296 | 1051892 | 1060234 | 1025597 |
| 1058831 | 751190  | 1043272 | 1057856 | 1044725 | 1047782 | 381082  | 1069074 | 1060265 | 1059767 |
| 1056030 | 804477  | 713493  | 1054761 | 1016607 | 1047783 | 2036190 | 1051883 | 1065027 | 1024508 |
| 1016627 | 804017  | 1009444 | 1068182 | 734450  | 1047784 | 1014002 | 1012335 | 1048428 | 1018225 |
| 1051913 | 1070632 | 1085896 | 1075057 | 736087  | 1006242 | 742457  | 1014061 | 1048426 | 1022136 |
| 1083414 | 1060179 | 1028531 | 747634  | 1077760 | 1006241 | 1058128 | 1059756 | 1048427 | 315355  |
| 1012718 | 1012834 | 1025370 | 1004945 | 1016549 | 1085777 | 767186  | 1052354 | 732902  | 2047132 |
| 1051912 | 1085797 | 1064173 | 1004946 | 797406  | 1085778 | 2050889 | 1030114 | 1043497 | 1042792 |
| 1024198 | 751819  | 1012701 | 1004947 | 777570  | 126527  | 800033  | 1006209 | 1082165 | 1079804 |
| 1007710 | 1019268 | 1022947 | 1004948 | 373521  | 288188  | 1025207 | 1006210 | 745220  | 751979  |
| 1060212 | 1050562 | 1006200 | 1004949 | 1012778 | 747456  | 733312  | 1004988 | 1082166 | 2047129 |
| 795968  | 1043262 | 1006201 | 1004950 | 1022925 | 1042782 | 1076779 | 1006207 | 1082167 | 732736  |
| 1024644 | 2048588 | 1006202 | 1004951 | 751516  | 317831  | 282488  | 1006208 | 1051902 | 1003976 |
| 1012843 | 1087121 | 1006203 | 1004952 | 792128  | 1047757 | 1085781 | 1006204 | 1085895 | 272956  |
| 747632  | 1063456 | 777554  | 1043296 | 1035662 | 1061239 | 1030083 | 1006205 | 788364  | 785614  |
| 1082021 | 1004955 | 1004907 | 1072366 | 2048509 | 2046992 | 1023067 | 1006206 | 1006244 | 738092  |
| 1050523 | 1004953 | 1022161 | 1070385 | 1088047 | 734499  | 1027446 | 1073281 | 1060934 | 2043665 |
| 805452  | 1004954 | 1073272 | 1014113 | 1075822 | 1070419 | 1006642 | 804932  | 1049248 | 1003493 |
| 1024578 | 1051865 | 1012853 | 1049267 | 1075222 | 1071243 | 764485  | 373177  | 1082396 | 2046090 |
| 1059776 | 1085934 | 1024580 | 373465  | 1003973 | 1012771 | 796136  | 1029639 | 1047747 | 1012650 |
| 2043664 | 1061447 | 1024581 | 231678  | 1022108 | 1022123 | 784883  | 1082062 | 357821  | 1069029 |
| 1053897 | 1014043 | 1073269 | 752448  | 749989  | 1022120 | 1042063 | 1082771 | 1016158 | 737092  |
| 1073273 | 777563  | 1085933 | 232020  | 1044750 | 1022122 | 307709  | 1073286 | 804121  | 379486  |
| 1073274 | 308388  | 788945  | 748764  | 1085825 | 738493  | 2043648 | 735771  | 1022106 | 1061677 |
| 379467  | 1072420 | 1040411 | 360400  | 1073196 | 1065554 | 1082305 | 1004002 | 1080309 | 2045626 |
| 1016303 | 1042232 | 1085932 | 1014117 | 1074146 | 1053925 | 803905  | 1059807 | 1007403 | 1012696 |
| 1020040 | 1088046 | 1014111 | 1044689 | 713576  | 1082330 | 1065015 | 1070433 | 1088008 | 1050507 |
| 1022931 | 1058750 | 308409  | 1036288 | 1014288 | 1079970 | 2048520 | 1022952 | 2050697 | 1065784 |
| 1070420 | 1079454 | 1006230 | 1073844 | 1051920 | 1020027 | 783408  | 778623  | 1024647 | 1014051 |
| 1051880 | 1079455 | 1006228 | 1050110 | 1008522 | 1042780 | 1084367 | 1049221 | 1075587 | 2051559 |
| 1012812 | 1014114 | 1006229 | 1018089 | 1085884 | 747638  | 745176  | 1037800 | 1075588 | 1014052 |
| 751860  | 1003997 | 1014099 | 805153  | 1085885 | 360060  | 732901  | 1029622 | 308383  | 1014053 |
| 1051874 | 1056028 | 1046938 | 360401  | 1014072 | 1051571 | 1079183 | 1014032 | 2048503 | 1014054 |
| 1051875 | 403497  | 1004944 | 1003986 | 1046714 | 1025036 | 1079179 | 1077763 | 1006479 | 1014055 |
| 1055109 | 1085805 | 1004942 | 2048270 | 1051921 | 1025037 | 1079180 | 1043983 | 1069026 | 1065530 |
| 1052356 | 1035661 | 1004943 | 1003984 | 1025206 | 1012695 | 1079181 | 1043984 | 1049264 | 745423  |
| 1014107 | 1020039 | 785598  | 1003985 | 2046986 | 1075542 | 1079182 | 1053613 | 381051  | 359993  |
| 1050107 | 1073287 | 386785  | 735781  | 1016274 | 778040  | 2048529 | 722563  | 748605  | 748773  |
| 1050108 | 805261  | 731890  | 1056041 | 1052320 | 1073289 | 806193  | 781129  | 1070623 | 2047494 |
| 1024463 | 788365  | 803904  | 1044690 | 1084723 | 1040754 | 1062965 | 1003545 | 1020023 | 1012855 |
| 1014057 | 804020  | 1024246 | 1044691 | 804023  | 315214  | 791373  | 1020026 | 1020020 | 1029816 |
| 1073851 | 1003988 | 777539  | 1072960 | 1051916 | 804863  | 1053617 | 788370  | 1056040 | 1012633 |
| 1073852 | 1061071 | 1056053 | 1074792 | 758095  | 1001603 | 2049471 | 796014  | 805162  | 1050675 |
| 1025215 | 1016335 | 1001602 | 1074790 | 1042332 | 1086546 | 1082851 | 1012774 | 1014004 | 779761  |
| 1070631 | 1061940 | 1025046 | 1074791 | 781059  | 755039  | 1018883 | 785601  | 315348  | 734037  |
| 1012816 | 1020965 | 1049258 | 360399  | 1062905 | 1051583 | 2048531 | 1065460 | 357967  | 1020021 |
| 1054037 | 1020966 | 2041111 | 1051884 | 714264  | 1054168 | 1051897 | 1056037 | 1016520 | 2044961 |
| 1051573 | 224251  | 1022102 | 1051885 | 1059777 | 1068650 | 1012768 | 1071867 | 1082129 | 1005317 |
| 1012783 | 1051895 | 739550  | 1003991 | 805568  | 1050425 | 1043501 | 1051033 | 1082130 | 1065862 |



**Annex 30.1**

## Tangible Assets Performance Materials

|         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 787919  | 754702  | 1081225 | 1085929 | 777560  | 1048732 | 1035129 | 281860  |
| 749507  | 804478  | 1040116 | 1051873 | 752445  | 1048733 | 1086541 | 2051759 |
| 1034982 | 1084711 | 1014108 | 790181  | 1073278 | 745228  | 759437  | 1044376 |

## **Annex 31.2**

Receivables and financial assets Performance Materials

**I. Trade accounts receivable Performance Materials from affiliated companies**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008710      | 31.08.2003   | -457.064,62                                                                            |
| 5200005514      | 31.05.2003   | 405.228,62                                                                             |
| 5200004244      | 31.03.2004   | -339.014,69                                                                            |
| 2300003637      | 31.12.2017   | 336.714,32                                                                             |
| 5200001218      | 31.01.2003   | 285.205,45                                                                             |
| 5200012958      | 30.11.2003   | 271.256,79                                                                             |
| 5200011529      | 30.09.2002   | 241.895,41                                                                             |
| 6000142699      | 16.07.2003   | -235.981,17                                                                            |
| 5200005547      | 30.04.2004   | 233.848,25                                                                             |
| 5200004452      | 30.04.2003   | 223.230,30                                                                             |
| 5200014010      | 31.12.2003   | 215.937,09                                                                             |
| 6000120311      | 23.06.2003   | -204.773,62                                                                            |
| 5200001263      | 31.01.2004   | -203.713,13                                                                            |
| 6000163104      | 18.08.2003   | -197.565,21                                                                            |
| 4500001217      | 17.02.2003   | -196.064,57                                                                            |
| 2600000391      | 16.06.2003   | -184.922,84                                                                            |
| 5200002930      | 29.02.2004   | 175.309,56                                                                             |
| 5200014527      | 31.12.2002   | 166.636,21                                                                             |
| 5000001609      | 25.10.2017   | -159.795,08                                                                            |
| 6000011111      | 15.01.2004   | -157.348,94                                                                            |
| 5200000833      | 31.01.2005   | -146.996,49                                                                            |
| 5200004243      | 31.03.2004   | -145.183,57                                                                            |
| 5200012684      | 31.12.2004   | 140.781,86                                                                             |
| 5200005500      | 31.05.2003   | 131.960,57                                                                             |
| 6000207008      | 15.10.2003   | 130.809,49                                                                             |
| 5200010483      | 30.09.2004   | 129.293,06                                                                             |
| 5200011528      | 31.10.2003   | -128.678,08                                                                            |
| 5200003413      | 31.03.2003   | 127.602,02                                                                             |
| 5200003357      | 30.04.2005   | -126.906,50                                                                            |
| 2600030903      | 09.05.2005   | 126.738,40                                                                             |
| 5000000873      | 30.06.2002   | 122.081,01                                                                             |
| 5000000870      | 30.06.2002   | -122.081,01                                                                            |
| 6000228485      | 17.11.2003   | 116.315,62                                                                             |
| 5200005548      | 30.04.2004   | 115.623,63                                                                             |
| 5200006538      | 30.06.2003   | -108.682,37                                                                            |
| 2781949         | 31.08.1992   | 108.109,19                                                                             |
| 2781997         | 01.09.1992   | -108.109,19                                                                            |
| 5200007417      | 30.06.2002   | 105.900,22                                                                             |
| 5200000834      | 31.01.2005   | -102.536,76                                                                            |
| 5200010043      | 30.09.2003   | 101.260,19                                                                             |
| 6000185431      | 16.09.2003   | 101.096,09                                                                             |
| 6000150854      | 15.07.2004   | -98.537,82                                                                             |
| 6000076510      | 15.04.2003   | -98.003,73                                                                             |
| 6000245227      | 19.11.2002   | -95.790,06                                                                             |
| 2600000567      | 16.12.2002   | -94.820,20                                                                             |
| 6000078376      | 15.04.2004   | 90.681,26                                                                              |
| 2783411         | 30.09.1992   | 88.982,69                                                                              |
| 2783460         | 01.10.1992   | -88.982,69                                                                             |
| 2300003637      | 31.12.2017   | -88.510,06                                                                             |
| 5200010317      | 31.08.2002   | -88.468,12                                                                             |
| 2766225         | 31.12.1991   | 88.320,78                                                                              |
| 2766264         | 01.01.1992   | -88.320,78                                                                             |
| 5200004439      | 30.04.2003   | 86.406,52                                                                              |
| 6000214958      | 15.10.2002   | -85.959,98                                                                             |
| 5200033411      | 31.12.2015   | 85.692,29                                                                              |
| 5200005513      | 31.05.2003   | 84.827,63                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000012616      | 17.01.2005   | -84.476,88                                                                             |
| 5200001255      | 31.01.2003   | 83.010,33                                                                              |
| 5200032026      | 30.11.2016   | -82.947,25                                                                             |
| 2774583         | 30.06.1992   | 81.918,42                                                                              |
| 2774620         | 01.07.1992   | -81.918,42                                                                             |
| 5200007409      | 31.10.2008   | -81.666,13                                                                             |
| 6000052511      | 15.03.2004   | -81.624,45                                                                             |
| 6000008560      | 15.01.2003   | -80.327,99                                                                             |
| 2707771         | 31.03.1995   | 80.091,07                                                                              |
| 2707772         | 03.04.1995   | -80.091,07                                                                             |
| 5200006538      | 30.06.2003   | 79.200,83                                                                              |
| 5200001755      | 28.02.2005   | 78.217,55                                                                              |
| 6000144678      | 23.07.2003   | -77.971,43                                                                             |
| 5200017049      | 31.05.2017   | 73.413,76                                                                              |
| 5200001754      | 28.02.2005   | 73.093,67                                                                              |
| 2708579         | 30.04.1995   | 71.517,93                                                                              |
| 2708580         | 02.05.1995   | -71.517,93                                                                             |
| 6000097566      | 15.05.2003   | -70.286,89                                                                             |
| 5200006799      | 31.05.2004   | 67.613,41                                                                              |
| 5200023731      | 31.07.2017   | 66.851,50                                                                              |
| 6000056428      | 17.03.2003   | -66.495,14                                                                             |
| 2775964         | 31.07.1992   | 64.712,02                                                                              |
| 2776002         | 01.08.1992   | -64.712,02                                                                             |
| 5200008888      | 31.07.2004   | 64.426,97                                                                              |
| 6000227613      | 15.10.2004   | -64.163,61                                                                             |
| 2745848         | 31.10.1997   | 62.890,52                                                                              |
| 2745849         | 03.11.1997   | -62.890,52                                                                             |
| 6000251280      | 15.12.2003   | -60.929,54                                                                             |
| 5200005155      | 31.08.2001   | 59.971,06                                                                              |
| 5200005309      | 01.09.2001   | -59.971,06                                                                             |
| 5200014565      | 31.12.2002   | 58.593,36                                                                              |
| 5200028998      | 31.10.2016   | -58.360,30                                                                             |
| 2500003174      | 15.07.2002   | -58.202,73                                                                             |
| 5200007558      | 31.07.2003   | -58.118,22                                                                             |
| 6000080991      | 23.04.2003   | -57.001,47                                                                             |
| 2742375         | 01.08.1997   | 56.701,19                                                                              |
| 2742374         | 31.07.1997   | -56.701,19                                                                             |
| 5200009682      | 31.08.2004   | -55.964,71                                                                             |
| 5200020767      | 30.06.2017   | 53.838,35                                                                              |
| 5200012723      | 31.10.2002   | 53.452,35                                                                              |
| 5200013902      | 30.11.2002   | 52.492,01                                                                              |
| 2742287         | 01.08.1997   | 50.679,90                                                                              |
| 2742286         | 31.07.1997   | -50.679,90                                                                             |
| 2700881         | 30.06.1994   | 50.055,65                                                                              |
| 2700882         | 01.07.1994   | -50.055,65                                                                             |
| 5200006754      | 31.05.2002   | 49.910,04                                                                              |
| 6000057473      | 24.03.2003   | -49.854,97                                                                             |
| 6000088940      | 15.04.2005   | -49.527,58                                                                             |
| 2701597         | 31.12.2000   | 49.185,85                                                                              |
| 2701598         | 01.01.2001   | -49.185,85                                                                             |
| 5200012827      | 30.04.2017   | 49.021,09                                                                              |
| 2786371         | 30.11.1992   | 48.980,72                                                                              |
| 2786411         | 01.12.1992   | -48.980,72                                                                             |
| 6000031251      | 16.02.2004   | -48.765,58                                                                             |
| 2500000378      | 21.04.2016   | -47.904,34                                                                             |
| 5200002081      | 31.01.2017   | 47.827,96                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 31.2

## Receivables and financial assets Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008030      | 30.06.2004   | -47.827,68                                                                             |
| 5200012685      | 31.12.2004   | 47.621,32                                                                              |
| 5200002321      | 28.02.2003   | -46.947,41                                                                             |
| 5200003574      | 31.05.2010   | -46.175,50                                                                             |
| 5200012187      | 30.11.2004   | 45.690,69                                                                              |
| 5000001035      | 31.07.2002   | 45.601,20                                                                              |
| 5200009382      | 31.07.2002   | -45.601,20                                                                             |
| 5200031350      | 30.11.2015   | -45.573,70                                                                             |
| 5200033410      | 31.12.2015   | 45.396,42                                                                              |
| 5200007880      | 31.03.2016   | 45.000,72                                                                              |
| 2767152         | 01.04.1999   | 44.825,74                                                                              |
| 2767151         | 31.03.1999   | -44.825,74                                                                             |
| 6000171744      | 15.08.2002   | -44.322,92                                                                             |
| 2743360         | 01.09.1997   | 44.285,66                                                                              |
| 2743359         | 31.08.1997   | -44.285,66                                                                             |
| 6000102539      | 17.05.2004   | 44.198,16                                                                              |
| 2706523         | 28.02.1995   | 44.086,03                                                                              |
| 2706524         | 01.03.1995   | -44.086,03                                                                             |
| 2736648         | 28.02.1997   | 43.598,81                                                                              |
| 2736649         | 03.03.1997   | -43.598,81                                                                             |
| 5200010484      | 30.09.2004   | 43.567,82                                                                              |
| 5200003399      | 31.03.2003   | 43.262,23                                                                              |
| 2736559         | 03.03.1997   | 43.145,66                                                                              |
| 2736558         | 28.02.1997   | -43.145,66                                                                             |
| 2764463         | 30.11.1991   | 41.205,08                                                                              |
| 2764500         | 02.12.1991   | -41.205,08                                                                             |
| 5200003356      | 30.04.2005   | -40.948,44                                                                             |
| 5000002001      | 31.12.2017   | 40.696,95                                                                              |
| 2737750         | 31.03.1997   | 40.580,65                                                                              |
| 2737751         | 01.04.1997   | -40.580,65                                                                             |
| 2744590         | 01.10.1997   | 39.759,31                                                                              |
| 2744589         | 30.09.1997   | -39.759,31                                                                             |
| 5200005499      | 31.05.2003   | 38.982,97                                                                              |
| 2738811         | 02.05.1997   | 38.821,21                                                                              |
| 2738810         | 30.04.1997   | -38.821,21                                                                             |
| 2761903         | 30.09.1991   | 38.735,72                                                                              |
| 2761948         | 01.10.1991   | -38.735,72                                                                             |
| 2743450         | 01.09.1997   | 38.576,07                                                                              |
| 2743449         | 31.08.1997   | -38.576,07                                                                             |
| 5200008536      | 31.12.2008   | 38.475,56                                                                              |
| 2737685         | 01.04.1997   | 38.223,92                                                                              |
| 2737684         | 31.03.1997   | -38.223,92                                                                             |
| 5200006526      | 30.06.2003   | 38.178,11                                                                              |
| 5200005145      | 31.08.2001   | 38.007,84                                                                              |
| 5200005299      | 01.09.2001   | -38.007,84                                                                             |
| 5200013879      | 31.05.2016   | -37.971,75                                                                             |
| 5200005964      | 31.08.2008   | -37.734,30                                                                             |
| 6000126224      | 19.06.2002   | -37.590,46                                                                             |
| 2732017         | 03.02.1997   | 36.679,27                                                                              |
| 2732016         | 31.01.1997   | -36.679,27                                                                             |
| 2741025         | 01.07.1997   | 36.660,29                                                                              |
| 2741024         | 30.06.1997   | -36.660,29                                                                             |
| 2736549         | 03.03.1997   | 36.290,76                                                                              |
| 2736548         | 28.02.1997   | -36.290,76                                                                             |
| 2709480         | 31.05.1995   | 36.257,23                                                                              |
| 2709481         | 01.06.1995   | -36.257,23                                                                             |
| 6000107068      | 24.05.2004   | 36.187,59                                                                              |
| 5200011305      | 31.10.2004   | -35.819,60                                                                             |
| 2700481         | 31.05.1994   | 35.766,81                                                                              |
| 2700482         | 01.06.1994   | -35.766,81                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2784813         | 31.10.1992   | 35.708,81                                                                              |
| 2784856         | 02.11.1992   | -35.708,81                                                                             |
| 5200006133      | 30.09.2010   | 35.352,54                                                                              |
| 5200003965      | 29.02.2016   | 34.236,30                                                                              |
| 5200010088      | 30.09.2003   | 33.823,76                                                                              |
| 2703277         | 31.10.1994   | 33.796,37                                                                              |
| 2703278         | 01.11.1994   | -33.796,37                                                                             |
| 2739846         | 02.06.1997   | 33.752,88                                                                              |
| 2739845         | 31.05.1997   | -33.752,88                                                                             |
| 2300003637      | 31.12.2017   | -33.671,43                                                                             |
| 2744685         | 30.09.1997   | 33.509,58                                                                              |
| 2744686         | 01.10.1997   | -33.509,58                                                                             |
| 2749495         | 02.02.1998   | 33.471,26                                                                              |
| 2749494         | 31.01.1998   | -33.471,26                                                                             |
| 2767237         | 31.01.1992   | 33.420,10                                                                              |
| 2767274         | 03.02.1992   | -33.420,10                                                                             |
| 2731995         | 03.02.1997   | 33.343,77                                                                              |
| 2731994         | 31.01.1997   | -33.343,77                                                                             |
| 6000035706      | 21.02.2003   | -33.035,93                                                                             |
| 5200005543      | 30.04.2002   | 33.023,18                                                                              |
| 5200004872      | 31.07.2010   | 32.857,35                                                                              |
| 5200007444      | 30.06.2002   | 32.672,33                                                                              |
| 6000037935      | 15.02.2005   | 32.209,46                                                                              |
| 2773152         | 31.05.1992   | 32.015,65                                                                              |
| 2773190         | 01.06.1992   | -32.015,65                                                                             |
| 5200042043      | 31.12.2017   | -31.791,31                                                                             |
| 5200027563      | 31.08.2017   | 31.709,64                                                                              |
| 5200000820      | 31.01.2009   | -31.698,90                                                                             |
| 2736695         | 03.03.1997   | 31.378,50                                                                              |
| 2736694         | 28.02.1997   | -31.378,50                                                                             |
| 2701416         | 31.07.1994   | 31.298,81                                                                              |
| 2701417         | 01.08.1994   | -31.298,81                                                                             |
| 2724884         | 31.07.1996   | 31.244,17                                                                              |
| 2724885         | 01.08.1996   | -31.244,17                                                                             |
| 2738913         | 02.05.1997   | 30.710,08                                                                              |
| 2738912         | 30.04.1997   | -30.710,08                                                                             |
| 5200013998      | 31.12.2003   | 30.682,59                                                                              |
| 6000082545      | 22.04.2004   | 30.566,89                                                                              |
| 6000198734      | 17.09.2002   | 30.445,86                                                                              |
| 5200005559      | 31.05.2003   | 30.339,53                                                                              |
| 5200009124      | 31.07.2002   | -29.590,14                                                                             |
| 2743447         | 31.08.1997   | 29.560,93                                                                              |
| 2743448         | 01.09.1997   | -29.560,93                                                                             |
| 5200034050      | 31.12.2016   | -29.519,80                                                                             |
| 5200005760      | 30.09.2001   | 29.461,74                                                                              |
| 5200005919      | 01.10.2001   | -29.461,74                                                                             |
| 6000161902      | 02.08.2002   | -29.282,53                                                                             |
| 2763225         | 31.10.1991   | 29.271,31                                                                              |
| 2763261         | 01.11.1991   | -29.271,31                                                                             |
| 2789977         | 30.04.1994   | 28.927,35                                                                              |
| 2789978         | 02.05.1994   | -28.927,35                                                                             |
| 2736651         | 03.03.1997   | 28.527,74                                                                              |
| 2736650         | 28.02.1997   | -28.527,74                                                                             |
| 2737753         | 01.04.1997   | 28.435,73                                                                              |
| 2737752         | 31.03.1997   | -28.435,73                                                                             |
| 5200004501      | 30.04.2003   | 28.256,59                                                                              |
| 2730894         | 31.12.1996   | 28.216,97                                                                              |
| 2730895         | 02.01.1997   | -28.216,97                                                                             |
| 2722552         | 03.06.1996   | 27.864,87                                                                              |
| 2722551         | 31.05.1996   | -27.864,87                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 31.2

## Receivables and financial assets Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006597      | 30.06.2003   | -27.736,66                                                                             |
| 5200014054      | 31.12.2003   | 27.676,39                                                                              |
| 5200006785      | 31.05.2002   | 27.640,66                                                                              |
| 2732130         | 31.01.1997   | 27.572,21                                                                              |
| 2732131         | 03.02.1997   | -27.572,21                                                                             |
| 5200010032      | 30.09.2003   | 27.187,40                                                                              |
| 2737817         | 01.04.1997   | 27.060,41                                                                              |
| 2737816         | 31.03.1997   | -27.060,41                                                                             |
| 5200005121      | 28.02.2017   | -27.050,95                                                                             |
| 5200003896      | 31.07.2001   | 26.999,71                                                                              |
| 5200004050      | 01.08.2001   | -26.999,71                                                                             |
| 2787115         | 01.09.2000   | 26.810,67                                                                              |
| 2787114         | 31.08.2000   | -26.810,67                                                                             |
| 5200011304      | 31.10.2004   | -26.772,75                                                                             |
| 5200005542      | 31.05.2003   | 26.682,00                                                                              |
| 2708603         | 30.04.1995   | 26.616,22                                                                              |
| 2708604         | 02.05.1995   | -26.616,22                                                                             |
| 5200005569      | 31.05.2003   | 26.419,64                                                                              |
| 2789477         | 31.03.1994   | 26.389,94                                                                              |
| 2789478         | 05.04.1994   | -26.389,94                                                                             |
| 2721398         | 02.05.1996   | 26.233,64                                                                              |
| 2721397         | 30.04.1996   | -26.233,64                                                                             |
| 2702566         | 30.09.1994   | 26.210,17                                                                              |
| 2702567         | 04.10.1994   | -26.210,17                                                                             |
| 2769552         | 01.06.1999   | 26.157,28                                                                              |
| 2769551         | 31.05.1999   | -26.157,28                                                                             |
| 2753148         | 30.04.1998   | 26.129,24                                                                              |
| 2753149         | 04.05.1998   | -26.129,24                                                                             |
| 2787691         | 30.09.1993   | 26.085,41                                                                              |
| 2787692         | 01.10.1993   | -26.085,41                                                                             |
| 2500002262      | 05.08.2005   | 25.812,43                                                                              |
| 2705106         | 01.04.2001   | 25.669,21                                                                              |
| 2705105         | 31.03.2001   | -25.669,21                                                                             |
| 5200006515      | 30.06.2003   | 25.638,44                                                                              |
| 2707791         | 31.03.1995   | 25.329,68                                                                              |
| 2707792         | 03.04.1995   | -25.329,68                                                                             |
| 5200001711      | 01.02.2002   | 25.282,99                                                                              |
| 5200001548      | 31.01.2002   | -25.282,99                                                                             |
| 5200006667      | 30.09.2008   | -25.277,98                                                                             |
| 6000158667      | 31.07.2002   | -24.611,71                                                                             |
| 5200002320      | 28.02.2003   | -24.583,54                                                                             |
| 5200008887      | 31.07.2004   | 24.500,86                                                                              |
| 2742372         | 31.07.1997   | 24.449,83                                                                              |
| 2742373         | 01.08.1997   | -24.449,83                                                                             |
| 2741121         | 01.07.1997   | 24.300,88                                                                              |
| 2741120         | 30.06.1997   | -24.300,88                                                                             |
| 2726113         | 31.08.1996   | 24.208,02                                                                              |
| 2726114         | 02.09.1996   | -24.208,02                                                                             |
| 6000012118      | 20.01.2004   | -24.141,30                                                                             |
| 5200004056      | 31.05.2005   | -23.987,42                                                                             |
| 2770055         | 31.03.1992   | 23.826,86                                                                              |
| 2770092         | 01.04.1992   | -23.826,86                                                                             |
| 5200004506      | 30.04.2003   | -23.810,23                                                                             |
| 5200007449      | 30.06.2002   | 23.712,67                                                                              |
| 2723658         | 01.07.1996   | 23.603,60                                                                              |
| 2723657         | 30.06.1996   | -23.603,60                                                                             |
| 5000001995      | 31.12.2017   | 23.524,86                                                                              |
| 6000102484      | 26.05.2003   | -23.479,36                                                                             |
| 5200006781      | 31.05.2002   | 23.448,00                                                                              |
| 2765694         | 01.03.1999   | 23.391,42                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2765693         | 28.02.1999   | -23.391,42                                                                             |
| 5200002341      | 01.07.2001   | 23.376,42                                                                              |
| 5200002154      | 30.06.2001   | -23.376,42                                                                             |
| 5200001944      | 01.06.2001   | 23.336,42                                                                              |
| 5200002123      | 31.05.2001   | -23.336,42                                                                             |
| 5200002303      | 28.02.2003   | 23.244,14                                                                              |
| 5200008515      | 31.03.2017   | 23.002,18                                                                              |
| 5200028517      | 31.10.2015   | -22.965,00                                                                             |
| 2787190         | 31.07.1993   | 22.377,12                                                                              |
| 2787191         | 02.08.1993   | -22.377,12                                                                             |
| 5200008764      | 31.08.2003   | -22.352,81                                                                             |
| 2710423         | 30.06.1995   | 22.340,00                                                                              |
| 2710424         | 03.07.1995   | -22.340,00                                                                             |
| 5200005564      | 31.05.2003   | 22.339,14                                                                              |
| 2705872         | 31.01.1995   | 22.272,95                                                                              |
| 2705873         | 01.02.1995   | -22.272,95                                                                             |
| 5200009124      | 31.07.2002   | 22.201,54                                                                              |
| 2500002754      | 17.06.2002   | -22.112,60                                                                             |
| 2768699         | 29.02.1992   | 22.088,84                                                                              |
| 2768731         | 03.03.1992   | -22.088,84                                                                             |
| 2701939         | 31.08.1994   | 22.071,33                                                                              |
| 2701940         | 01.09.1994   | -22.071,33                                                                             |
| 5200002321      | 28.02.2003   | 21.827,34                                                                              |
| 5200009642      | 31.10.2001   | 21.827,09                                                                              |
| 5200009996      | 01.11.2001   | -21.827,09                                                                             |
| 2747057         | 30.11.1997   | 21.815,00                                                                              |
| 2747058         | 01.12.1997   | -21.815,00                                                                             |
| 6000039843      | 25.02.2004   | -21.643,32                                                                             |
| 2664322         | 31.12.1992   | 21.579,09                                                                              |
| 2664323         | 04.01.1993   | -21.579,09                                                                             |
| 2721364         | 02.05.1996   | 20.634,43                                                                              |
| 2721363         | 30.04.1996   | -20.634,43                                                                             |
| 2500000377      | 21.04.2016   | -20.587,62                                                                             |
| 5200006799      | 31.05.2004   | -20.584,76                                                                             |
| 6000223547      | 11.11.2003   | -20.553,69                                                                             |
| 5200004875      | 31.07.2010   | 20.509,48                                                                              |
| 2787069         | 01.09.2000   | 20.391,14                                                                              |
| 2787068         | 31.08.2000   | -20.391,14                                                                             |
| 5200006770      | 31.05.2002   | 20.342,26                                                                              |
| 2754268         | 31.05.1998   | 20.280,01                                                                              |
| 2754269         | 02.06.1998   | -20.280,01                                                                             |
| 5200005540      | 30.04.2002   | 20.075,47                                                                              |
| 5200012207      | 30.11.2004   | 19.954,24                                                                              |
| 5200009683      | 31.08.2004   | -19.854,41                                                                             |
| 2665698         | 28.02.1993   | 19.818,50                                                                              |
| 2665699         | 01.03.1993   | -19.818,50                                                                             |
| 2782433         | 02.05.2000   | 19.816,18                                                                              |
| 2782432         | 30.04.2000   | -19.816,18                                                                             |
| 2789326         | 01.11.2000   | 19.812,58                                                                              |
| 2789325         | 31.10.2000   | -19.812,58                                                                             |
| 5200022436      | 31.08.2015   | 19.494,51                                                                              |
| 6000139330      | 05.07.2002   | -19.375,46                                                                             |
| 5200002994      | 01.03.2002   | 19.357,50                                                                              |
| 5200002820      | 28.02.2002   | -19.357,50                                                                             |
| 2784771         | 30.06.2000   | 19.305,49                                                                              |
| 2784772         | 03.07.2000   | -19.305,49                                                                             |
| 5200001253      | 31.01.2004   | -19.252,52                                                                             |
| 5200000860      | 31.01.2005   | -19.090,78                                                                             |
| 5200003463      | 31.03.2003   | 18.971,35                                                                              |
| 5200031257      | 30.09.2017   | -18.968,65                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 31.2

## Receivables and financial assets Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003732      | 31.05.2009   | 18.858,14                                                                              |
| 5200016166      | 30.06.2016   | 18.840,19                                                                              |
| 2722506         | 03.06.1996   | 18.788,28                                                                              |
| 2722505         | 31.05.1996   | -18.788,28                                                                             |
| 2782479         | 02.05.2000   | 18.684,58                                                                              |
| 2782478         | 30.04.2000   | -18.684,58                                                                             |
| 6000400547      | 17.11.2008   | 18.545,80                                                                              |
| 5200006526      | 30.06.2003   | -18.433,39                                                                             |
| 2779147         | 01.02.2000   | 18.420,45                                                                              |
| 2779146         | 31.01.2000   | -18.420,45                                                                             |
| 5000001995      | 31.12.2017   | 18.021,96                                                                              |
| 5200007447      | 30.06.2002   | 17.865,25                                                                              |
| 5200006587      | 30.06.2003   | -17.808,42                                                                             |
| 2667431         | 30.04.1993   | 17.773,97                                                                              |
| 2667432         | 01.05.1993   | -17.773,97                                                                             |
| 6000121874      | 25.06.2003   | -17.743,78                                                                             |
| 5200005516      | 31.08.2010   | -17.733,50                                                                             |
| 2750766         | 02.03.1998   | 17.706,80                                                                              |
| 2750765         | 28.02.1998   | -17.706,80                                                                             |
| 5200002261      | 31.03.2008   | 17.685,94                                                                              |
| 2666502         | 31.03.1993   | 17.643,27                                                                              |
| 2666503         | 01.04.1993   | -17.643,27                                                                             |
| 5200004451      | 30.04.2003   | 17.641,88                                                                              |
| 6000166730      | 25.08.2003   | -17.614,37                                                                             |
| 2717860         | 01.02.1996   | 17.582,45                                                                              |
| 2717859         | 31.01.1996   | -17.582,45                                                                             |
| 5200001992      | 01.06.2001   | 17.570,97                                                                              |
| 5200001813      | 31.05.2001   | -17.570,97                                                                             |
| 5000001995      | 31.12.2017   | 17.563,76                                                                              |
| 5200002294      | 31.03.2009   | 17.427,69                                                                              |
| 2779191         | 01.02.2000   | 17.340,81                                                                              |
| 2779190         | 31.01.2000   | -17.340,81                                                                             |
| 6000123647      | 15.06.2004   | 17.304,81                                                                              |
| 5200002343      | 28.02.2003   | 17.280,21                                                                              |
| 2745851         | 03.11.1997   | 17.261,92                                                                              |
| 2745850         | 31.10.1997   | -17.261,92                                                                             |
| 5200000833      | 31.01.2005   | 17.116,09                                                                              |
| 2780393         | 01.03.2000   | 17.044,36                                                                              |
| 2780392         | 29.02.2000   | -17.044,36                                                                             |
| 2748233         | 31.12.1997   | 16.952,84                                                                              |
| 2748234         | 02.01.1998   | -16.952,84                                                                             |
| 2708597         | 30.04.1995   | 16.886,94                                                                              |
| 2708598         | 02.05.1995   | -16.886,94                                                                             |
| 5200037164      | 31.12.2001   | -16.882,04                                                                             |
| 5200009378      | 31.07.2002   | 16.870,01                                                                              |
| 5000001031      | 31.07.2002   | -16.870,01                                                                             |
| 2729648         | 02.12.1996   | 16.862,16                                                                              |
| 2729647         | 30.11.1996   | -16.862,16                                                                             |
| 2755373         | 30.06.1998   | 16.808,86                                                                              |
| 2755374         | 01.07.1998   | -16.808,86                                                                             |
| 5200003888      | 31.07.2001   | 16.759,80                                                                              |
| 5200004042      | 01.08.2001   | -16.759,80                                                                             |
| 5200002252      | 31.03.2008   | 16.690,51                                                                              |
| 2701639         | 31.12.2000   | 16.637,28                                                                              |
| 2701640         | 01.01.2001   | -16.637,28                                                                             |
| 5200007490      | 30.11.2010   | -16.603,43                                                                             |
| 5200011329      | 31.10.2004   | 16.569,35                                                                              |
| 2707785         | 31.03.1995   | 16.544,15                                                                              |
| 2707786         | 03.04.1995   | -16.544,15                                                                             |
| 5200000830      | 31.01.2010   | -16.525,89                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000129876      | 24.06.2004   | -16.437,74                                                                             |
| 5200003443      | 31.03.2003   | 16.317,43                                                                              |
| 5200002363      | 28.02.2003   | 16.305,93                                                                              |
| 5200008698      | 31.08.2003   | -16.265,93                                                                             |
| 5200007447      | 31.10.2005   | 16.265,80                                                                              |
| 5200014064      | 31.12.2003   | 16.132,75                                                                              |
| 5200022437      | 31.08.2015   | 16.122,26                                                                              |
| 2748236         | 02.01.1998   | 16.112,37                                                                              |
| 2748235         | 31.12.1997   | -16.112,37                                                                             |
| 2780349         | 01.03.2000   | 16.073,53                                                                              |
| 2780348         | 29.02.2000   | -16.073,53                                                                             |
| 5200009760      | 31.08.2004   | 15.972,64                                                                              |
| 5200004236      | 31.03.2004   | -15.965,12                                                                             |
| 5200002744      | 30.04.2006   | 15.923,66                                                                              |
| 5200010029      | 30.09.2003   | 15.836,38                                                                              |
| 5200012994      | 30.11.2003   | 15.819,05                                                                              |
| 2786939         | 30.06.1993   | 15.786,16                                                                              |
| 2786940         | 01.07.1993   | -15.786,16                                                                             |
| 6000200920      | 15.09.2004   | -15.675,14                                                                             |
| 2788567         | 31.12.1993   | 15.540,97                                                                              |
| 2788568         | 03.01.1994   | -15.540,97                                                                             |
| 5200002541      | 31.03.2005   | 15.512,42                                                                              |
| 5200005506      | 31.05.2003   | 15.497,41                                                                              |
| 2752047         | 31.03.1998   | 15.402,26                                                                              |
| 2752048         | 01.04.1998   | -15.402,26                                                                             |
| 5200001715      | 31.01.2015   | -15.394,17                                                                             |
| 6000157184      | 24.07.2002   | -15.363,66                                                                             |
| 2730747         | 02.01.1997   | 15.342,48                                                                              |
| 2730746         | 31.12.1996   | -15.342,48                                                                             |
| 5200002392      | 01.07.2001   | 15.308,77                                                                              |
| 5200002205      | 30.06.2001   | -15.308,77                                                                             |
| 6000232472      | 21.11.2003   | -15.207,18                                                                             |
| 5200001248      | 31.01.2003   | 15.031,05                                                                              |
| 5200013999      | 31.12.2003   | 14.941,01                                                                              |
| 5200007445      | 30.06.2002   | 14.933,09                                                                              |
| 5200036629      | 01.12.2001   | 14.910,59                                                                              |
| 5200036445      | 30.11.2001   | -14.910,59                                                                             |
| 5200012723      | 31.10.2002   | -14.908,48                                                                             |
| 5200008218      | 30.11.2005   | -14.854,49                                                                             |
| 5200002572      | 31.03.2005   | 14.773,17                                                                              |
| 2732179         | 03.02.1997   | 14.764,35                                                                              |
| 2732178         | 31.01.1997   | -14.764,35                                                                             |
| 5200004293      | 31.03.2004   | -14.630,18                                                                             |
| 5200012946      | 30.11.2003   | 14.497,87                                                                              |
| 2781486         | 03.04.2000   | 14.340,51                                                                              |
| 2781485         | 31.03.2000   | -14.340,51                                                                             |
| 5200003400      | 31.03.2003   | 14.289,07                                                                              |
| 6000185412      | 22.09.2003   | 14.275,85                                                                              |
| 5200007559      | 31.07.2003   | 14.111,33                                                                              |
| 6000093554      | 13.05.2003   | -14.052,32                                                                             |
| 5200025788      | 30.09.2016   | 14.010,98                                                                              |
| 2736546         | 28.02.1997   | 13.916,16                                                                              |
| 2736547         | 03.03.1997   | -13.916,16                                                                             |
| 5200005539      | 30.04.2004   | -13.875,53                                                                             |
| 6000176196      | 05.09.2003   | -13.842,92                                                                             |
| 2787993         | 31.10.1993   | 13.839,27                                                                              |
| 2787994         | 01.11.1993   | -13.839,27                                                                             |
| 6000109276      | 21.05.2002   | -13.773,27                                                                             |
| 2771746         | 30.04.1992   | 13.764,55                                                                              |
| 2771781         | 04.05.1992   | -13.764,55                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 31.2

## Receivables and financial assets Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 6000417744      | 24.11.2008   | 13.751,71                                                                              |
| 6000009481      | 15.01.2004   | -13.709,05                                                                             |
| 5200012188      | 30.11.2004   | 13.632,38                                                                              |
| 2749492         | 31.01.1998   | 13.622,72                                                                              |
| 2749493         | 02.02.1998   | -13.622,72                                                                             |
| 5200008755      | 31.08.2003   | -13.618,37                                                                             |
| 2710445         | 30.06.1995   | 13.605,11                                                                              |
| 2710446         | 03.07.1995   | -13.605,11                                                                             |
| 5200014561      | 31.12.2002   | 13.582,81                                                                              |
| 5200002922      | 29.02.2004   | -13.573,66                                                                             |
| 2783698         | 31.05.2000   | 13.542,73                                                                              |
| 2783699         | 05.06.2000   | -13.542,73                                                                             |
| 5200002360      | 28.02.2003   | 13.478,21                                                                              |
| 2701543         | 31.12.2000   | 13.470,13                                                                              |
| 2701544         | 01.01.2001   | -13.470,13                                                                             |
| 5200006836      | 30.09.2005   | -13.380,33                                                                             |
| 2759154         | 31.07.1991   | 13.330,28                                                                              |
| 2759838         | 31.07.1991   | 13.330,28                                                                              |
| 2759263         | 01.08.1991   | 13.330,28                                                                              |
| 2759224         | 31.07.1991   | -13.330,28                                                                             |
| 2759189         | 01.08.1991   | -13.330,28                                                                             |
| 2759877         | 01.08.1991   | -13.330,28                                                                             |
| 5200004292      | 31.03.2002   | 13.292,89                                                                              |
| 5200001965      | 01.06.2001   | 13.217,18                                                                              |
| 5200001786      | 31.05.2001   | -13.217,18                                                                             |
| 2788188         | 02.10.2000   | 13.205,17                                                                              |
| 2788187         | 30.09.2000   | -13.205,17                                                                             |
| 6000029100      | 11.02.2004   | -13.200,05                                                                             |
| 6000232310      | 15.07.2010   | 13.181,16                                                                              |
| 2727278         | 01.10.1996   | 13.180,91                                                                              |
| 2727277         | 30.09.1996   | -13.180,91                                                                             |
| 5200006525      | 30.06.2003   | -13.130,61                                                                             |
| 2706535         | 28.02.1995   | 13.129,59                                                                              |
| 2706536         | 01.03.1995   | -13.129,59                                                                             |
| 2707839         | 31.03.1995   | 13.101,96                                                                              |
| 2707840         | 03.04.1995   | -13.101,96                                                                             |
| 2788288         | 30.11.1993   | 13.092,84                                                                              |
| 2788289         | 01.12.1993   | -13.092,84                                                                             |
| 5200007558      | 31.07.2003   | 13.065,33                                                                              |
| 5200001511      | 28.02.2010   | -13.036,84                                                                             |
| 6000243331      | 03.12.2003   | 13.010,08                                                                              |
| 2742333         | 01.08.1997   | 12.924,64                                                                              |
| 2742332         | 31.07.1997   | -12.924,64                                                                             |
| 5200011327      | 31.10.2004   | 12.837,03                                                                              |
| 5200000863      | 31.01.2005   | -12.771,88                                                                             |
| 2756762         | 31.07.1998   | 12.720,65                                                                              |
| 2756763         | 03.08.1998   | -12.720,65                                                                             |
| 2770864         | 01.07.1999   | 12.718,17                                                                              |
| 2770863         | 30.06.1999   | -12.718,17                                                                             |
| 5200011623      | 31.05.2012   | -12.703,39                                                                             |
| 6000070246      | 09.04.2003   | -12.625,20                                                                             |
| 6000070252      | 09.04.2003   | -12.603,66                                                                             |
| 5200004480      | 30.04.2003   | 12.562,25                                                                              |
| 2709510         | 31.05.1995   | 12.561,10                                                                              |
| 2709511         | 01.06.1995   | -12.561,10                                                                             |
| 2700519         | 01.12.2000   | 12.534,27                                                                              |
| 2700518         | 30.11.2000   | -12.534,27                                                                             |
| 2300002546      | 05.08.2003   | 12.521,44                                                                              |
| 2706539         | 28.02.1995   | 12.515,20                                                                              |
| 2706540         | 01.03.1995   | -12.515,20                                                                             |

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| 5200004496      | 30.04.2003   | 12.412,62                                                                              |
| 6000019118      | 23.01.2002   | 12.392,82                                                                              |
| 5200004048      | 31.05.2005   | -12.363,76                                                                             |
| 2787417         | 31.08.1993   | 12.342,46                                                                              |
| 2787418         | 01.09.1993   | -12.342,46                                                                             |
| 5200001304      | 31.01.2004   | -12.333,00                                                                             |
| 5200015598      | 30.09.2011   | -12.303,93                                                                             |
| 2730773         | 02.01.1997   | 12.283,13                                                                              |
| 2730772         | 31.12.1996   | -12.283,13                                                                             |
| 5200013944      | 30.11.2002   | -12.282,51                                                                             |
| 5200006142      | 30.09.2007   | 12.255,04                                                                              |
| 5200008699      | 31.08.2003   | -12.223,93                                                                             |
| 5200010043      | 30.09.2003   | -12.214,31                                                                             |
| 5200013003      | 30.11.2003   | -12.168,51                                                                             |
| 5200006153      | 30.09.2007   | 12.158,83                                                                              |
| 2500002615      | 22.11.2010   | -12.151,95                                                                             |
| 6000211337      | 22.10.2003   | -12.143,57                                                                             |
| 5000001609      | 25.10.2017   | -12.107,51                                                                             |
| 2701775         | 31.12.2000   | 12.074,43                                                                              |
| 2701776         | 01.01.2001   | -12.074,43                                                                             |
| 5200006809      | 31.10.2010   | 12.030,67                                                                              |
| 5200005963      | 31.08.2008   | -12.023,29                                                                             |
| 5200004430      | 30.06.2008   | 12.022,21                                                                              |
| 2752050         | 01.04.1998   | 11.995,46                                                                              |
| 2752049         | 31.03.1998   | -11.995,46                                                                             |
| 2500003327      | 29.12.2008   | 11.936,55                                                                              |
| 5200012953      | 30.11.2003   | 11.932,20                                                                              |
| 5200001263      | 31.01.2004   | 11.909,04                                                                              |
| 5200001001      | 31.01.2016   | 11.909,02                                                                              |
| 2789374         | 01.11.2000   | 11.861,67                                                                              |
| 2789373         | 31.10.2000   | -11.861,67                                                                             |
| 2744688         | 01.10.1997   | 11.851,34                                                                              |
| 2744687         | 30.09.1997   | -11.851,34                                                                             |
| 5200006792      | 31.05.2004   | 11.725,97                                                                              |
| 5200005538      | 30.04.2004   | -11.712,79                                                                             |
| 6000013298      | 22.01.2003   | -11.700,10                                                                             |
| 5200004225      | 31.03.2004   | -11.641,32                                                                             |
| 6000269670      | 30.11.2004   | -11.630,22                                                                             |
| 5200009157      | 31.07.2002   | -11.527,63                                                                             |
| 5200001754      | 28.02.2005   | -11.516,20                                                                             |
| 2772485         | 31.07.1999   | 11.515,90                                                                              |
| 2772486         | 02.08.1999   | -11.515,90                                                                             |
| 2731992         | 31.01.1997   | 11.482,05                                                                              |
| 2731993         | 03.02.1997   | -11.482,05                                                                             |
| 5200002565      | 31.03.2005   | -11.452,81                                                                             |
| 5200007408      | 31.10.2008   | -11.424,78                                                                             |
| 6000093552      | 13.05.2003   | -11.413,01                                                                             |
| 5200004058      | 31.05.2005   | 11.303,59                                                                              |
| 2711396         | 31.07.1995   | 11.253,43                                                                              |
| 2711397         | 01.08.1995   | -11.253,43                                                                             |
| 5200008030      | 30.06.2004   | 11.251,42                                                                              |
| 5200010038      | 30.09.2003   | 11.237,39                                                                              |
| 6000006915      | 10.01.2005   | -11.228,70                                                                             |
| 2782527         | 02.05.2000   | 11.228,10                                                                              |
| 2782526         | 30.04.2000   | -11.228,10                                                                             |
| 2742412         | 31.07.1997   | 11.182,33                                                                              |
| 2742413         | 01.08.1997   | -11.182,33                                                                             |
| 2750763         | 28.02.1998   | 11.179,20                                                                              |
| 2750764         | 02.03.1998   | -11.179,20                                                                             |
| 2783645         | 05.06.2000   | 11.102,19                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2783644         | 31.05.2000   | -11.102,19                                                                             |
| 2717820         | 01.02.1996   | 11.058,88                                                                              |
| 2717819         | 31.01.1996   | -11.058,88                                                                             |
| 5200005568      | 31.05.2003   | 11.038,45                                                                              |
| 2708649         | 30.04.1995   | 11.036,87                                                                              |
| 2708650         | 02.05.1995   | -11.036,87                                                                             |
| 5200004478      | 30.04.2003   | 11.028,93                                                                              |
| 5200011453      | 30.04.2015   | 11.019,49                                                                              |
| 2777939         | 03.01.2000   | 10.998,38                                                                              |
| 2777938         | 31.12.1999   | -10.998,38                                                                             |
| 5200007288      | 30.11.2006   | 10.931,56                                                                              |
| 2668243         | 31.05.1993   | 10.901,53                                                                              |
| 2668244         | 01.06.1993   | -10.901,53                                                                             |
| 5200010033      | 30.09.2003   | 10.889,93                                                                              |
| 5200008705      | 31.08.2003   | -10.850,59                                                                             |
| 2785908         | 01.08.2000   | 10.843,56                                                                              |
| 2785907         | 31.07.2000   | -10.843,56                                                                             |
| 2727290         | 01.10.1996   | 10.830,12                                                                              |
| 2727289         | 30.09.1996   | -10.830,12                                                                             |
| 2713280         | 30.09.1995   | 10.789,28                                                                              |
| 2713281         | 02.10.1995   | -10.789,28                                                                             |
| 2723618         | 01.07.1996   | 10.784,12                                                                              |
| 2723617         | 30.06.1996   | -10.784,12                                                                             |
| 6000059173      | 26.03.2003   | -10.755,92                                                                             |
| 5200012709      | 31.12.2004   | 10.749,34                                                                              |
| 5200001553      | 29.02.2008   | 10.715,82                                                                              |
| 5200005580      | 30.04.2004   | 10.706,02                                                                              |
| 5200006539      | 30.06.2003   | -10.701,50                                                                             |
| 2717817         | 31.01.1996   | 10.634,80                                                                              |
| 2717818         | 01.02.1996   | -10.634,80                                                                             |
| 5200000279      | 01.05.2001   | 10.604,07                                                                              |
| 5200000106      | 30.04.2001   | -10.604,07                                                                             |
| 6000121373      | 20.06.2003   | -10.546,29                                                                             |
| 5200006787      | 31.05.2002   | -10.519,50                                                                             |
| 5200002567      | 31.03.2005   | -10.509,43                                                                             |
| 5200004003      | 01.08.2001   | 10.494,02                                                                              |
| 5200003849      | 31.07.2001   | -10.494,02                                                                             |
| 5200007886      | 31.03.2016   | 10.357,35                                                                              |
| 6000439360      | 15.12.2008   | 10.356,84                                                                              |
| 2500002745      | 20.06.2002   | -10.326,44                                                                             |
| 5200019017      | 30.11.2011   | -10.224,98                                                                             |
| 2500002909      | 13.11.2008   | 10.205,28                                                                              |
| 2736621         | 03.03.1997   | 10.198,90                                                                              |
| 2736620         | 28.02.1997   | -10.198,90                                                                             |
| 5200002910      | 29.02.2004   | -10.178,17                                                                             |
| 5200001954      | 01.06.2001   | 10.173,90                                                                              |
| 5200002133      | 31.05.2001   | -10.173,90                                                                             |
| 2712337         | 31.08.1995   | 10.171,70                                                                              |
| 2712338         | 01.09.1995   | -10.171,70                                                                             |
| 5200007539      | 30.11.2007   | 10.171,06                                                                              |
| 2714192         | 31.10.1995   | 10.131,67                                                                              |
| 2714193         | 01.11.1995   | -10.131,67                                                                             |
| 5200005109      | 31.08.2001   | 10.122,09                                                                              |
| 5200005263      | 01.09.2001   | -10.122,09                                                                             |
| 5200001782      | 28.02.2005   | 10.063,60                                                                              |
| 5200005713      | 30.09.2001   | 10.020,68                                                                              |
| 5200005872      | 01.10.2001   | -10.020,68                                                                             |
| 2709568         | 31.05.1995   | 10.014,16                                                                              |
| 2709569         | 01.06.1995   | -10.014,16                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.



## II. Trade accounts receivable Performance Materials from third parties

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001522      | 30.09.2017   | -16.332.474,99                                                                         |
| 5000000028      | 01.01.2015   | 9.354.237,38                                                                           |
| 5000001851      | 31.12.2014   | -9.354.237,38                                                                          |
| 5000001647      | 30.10.2017   | -6.553.837,62                                                                          |
| 5000001941      | 31.12.2015   | 5.359.679,02                                                                           |
| 5000001210      | 30.09.2015   | 4.627.362,50                                                                           |
| 5000001496      | 30.11.2016   | -4.623.649,20                                                                          |
| 5000001498      | 30.09.2017   | 4.538.891,46                                                                           |
| 5000001068      | 30.06.2017   | -4.538.891,46                                                                          |
| 5000001918      | 31.12.2016   | 4.390.650,18                                                                           |
| 5000001449      | 30.11.2014   | 4.245.564,29                                                                           |
| 5000001901      | 31.12.2014   | 4.175.998,83                                                                           |
| 5000000372      | 31.03.2015   | -4.175.998,83                                                                          |
| 5000001500      | 30.09.2017   | 4.057.620,96                                                                           |
| 5000001206      | 31.07.2017   | -4.057.620,96                                                                          |
| 5000000856      | 30.06.2017   | 4.031.714,73                                                                           |
| 5000000565      | 31.03.2017   | -4.031.714,73                                                                          |
| 5000001054      | 30.06.2017   | 3.935.412,26                                                                           |
| 5000001497      | 30.09.2017   | 3.935.412,26                                                                           |
| 5000001055      | 30.06.2017   | -3.935.412,26                                                                          |
| 5000001052      | 30.06.2017   | -3.935.412,26                                                                          |
| 5000001989      | 31.12.2013   | 3.395.345,96                                                                           |
| 5000001189      | 30.09.2014   | 3.297.245,07                                                                           |
| 5000000309      | 31.03.2016   | 3.052.980,87                                                                           |
| 5000000779      | 30.06.2016   | 2.464.818,16                                                                           |
| 5000000329      | 31.03.2015   | -2.221.906,99                                                                          |
| 5000001139      | 24.07.2017   | 2.201.305,70                                                                           |
| 5000000751      | 30.06.2014   | 2.113.641,72                                                                           |
| 5000001889      | 31.12.2014   | 2.004.479,44                                                                           |
| 5000000380      | 31.03.2015   | -2.004.479,44                                                                          |
| 5000000750      | 30.06.2014   | 1.779.561,81                                                                           |
| 5000000752      | 30.06.2014   | -1.779.561,81                                                                          |
| 5000001501      | 30.09.2017   | 1.587.857,41                                                                           |
| 5000001293      | 30.08.2017   | -1.587.857,41                                                                          |
| 5000000853      | 01.07.2016   | 1.582.978,21                                                                           |
| 5000000745      | 30.06.2015   | -1.507.640,81                                                                          |
| 5000001941      | 31.12.2015   | 1.366.071,11                                                                           |
| 5000001909      | 31.12.2015   | -1.366.071,11                                                                          |
| 5000000582      | 25.05.2016   | -1.259.342,48                                                                          |
| 5000000853      | 01.07.2016   | 1.250.335,81                                                                           |
| 5000000853      | 01.07.2016   | -1.250.335,81                                                                          |
| 5000000830      | 30.06.2014   | -1.144.651,30                                                                          |
| 5000001487      | 30.11.2015   | 1.132.973,54                                                                           |
| 5000001487      | 30.11.2015   | 1.106.664,75                                                                           |
| 5000000097      | 01.01.2017   | -961.886,56                                                                            |
| 5000000888      | 27.07.2016   | 952.127,73                                                                             |
| 5000001145      | 29.09.2016   | 952.127,73                                                                             |
| 5000000885      | 27.07.2016   | -952.127,73                                                                            |
| 5000000889      | 27.07.2016   | -952.127,73                                                                            |
| 5000001909      | 31.12.2015   | -810.467,83                                                                            |
| 5000001169      | 30.09.2016   | 692.584,40                                                                             |
| 5000001499      | 30.09.2017   | 575.162,17                                                                             |
| 5000001170      | 31.07.2017   | -575.162,17                                                                            |
| 2500001598      | 31.07.2012   | -574.245,18                                                                            |
| 9515405499      | 21.11.2017   | 482.722,62                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000380      | 31.03.2014   | 436.413,59                                                                             |
| 5000001755      | 31.12.2015   | -411.279,09                                                                            |
| 5000001941      | 31.12.2015   | -342.925,49                                                                            |
| 2500001923      | 18.09.2012   | 341.758,05                                                                             |
| 5000001897      | 30.11.2017   | -340.424,17                                                                            |
| 5000002319      | 31.12.2017   | -330.219,61                                                                            |
| 5000000824      | 30.06.2014   | -308.970,46                                                                            |
| 5000001210      | 30.09.2015   | -296.070,07                                                                            |
| 5000001989      | 31.12.2013   | -294.397,92                                                                            |
| 5000001449      | 30.11.2014   | -271.641,68                                                                            |
| 5000000371      | 31.03.2015   | 267.190,71                                                                             |
| 5000001052      | 30.06.2017   | 251.797,39                                                                             |
| 5000001054      | 30.06.2017   | -251.797,39                                                                            |
| 2500001599      | 31.07.2012   | -246.129,63                                                                            |
| 9515367806      | 06.11.2017   | 241.893,40                                                                             |
| 5000001189      | 30.09.2014   | -210.965,88                                                                            |
| 5200001814      | 31.05.2001   | 204.203,09                                                                             |
| 5200001993      | 01.06.2001   | -204.203,09                                                                            |
| 5000000309      | 31.03.2016   | -195.337,25                                                                            |
| 9515391902      | 15.11.2017   | 187.890,00                                                                             |
| 9515418883      | 27.11.2017   | 187.890,00                                                                             |
| 5200002206      | 30.06.2001   | 184.480,82                                                                             |
| 5200002393      | 01.07.2001   | -184.480,82                                                                            |
| 2749235         | 02.02.1998   | 181.388,84                                                                             |
| 2749234         | 31.01.1998   | -181.388,84                                                                            |
| 9512862140      | 15.10.2014   | 180.685,86                                                                             |
| 9515267249      | 22.09.2017   | 177.500,00                                                                             |
| 5000001586      | 31.12.2014   | -175.734,38                                                                            |
| 2747970         | 02.01.1998   | 166.297,33                                                                             |
| 2747969         | 31.12.1997   | -166.297,33                                                                            |
| 5000001284      | 01.11.2007   | 163.467,37                                                                             |
| 5000001229      | 31.10.2007   | 163.467,37                                                                             |
| 5000001229      | 31.10.2007   | -163.467,37                                                                            |
| 5000001284      | 01.11.2007   | -163.467,37                                                                            |
| 2701400         | 01.01.2001   | 163.031,05                                                                             |
| 2701399         | 31.12.2000   | -163.031,05                                                                            |
| 5000000779      | 30.06.2016   | -157.705,15                                                                            |
| 9515432248      | 01.12.2017   | 155.824,90                                                                             |
| 2750490         | 02.03.1998   | 152.856,88                                                                             |
| 2750489         | 28.02.1998   | -152.856,88                                                                            |
| 5000001201      | 30.09.2016   | -152.790,66                                                                            |
| 5200027565      | 31.08.2017   | 150.590,86                                                                             |
| 9515461541      | 14.12.2017   | 149.990,36                                                                             |
| 5200006908      | 31.10.2007   | 143.760,61                                                                             |
| 2757701         | 01.09.1998   | 143.557,91                                                                             |
| 2757700         | 31.08.1998   | -143.557,91                                                                            |
| 4000319947      | 13.11.2007   | -142.665,00                                                                            |
| 5000000329      | 31.03.2015   | 142.163,09                                                                             |
| 5000000570      | 31.05.2015   | 142.163,09                                                                             |
| 5000000570      | 31.05.2015   | -142.163,09                                                                            |
| 2755108         | 01.07.1998   | 136.186,09                                                                             |
| 2755107         | 30.06.1998   | -136.186,09                                                                            |
| 2756493         | 03.08.1998   | 136.009,39                                                                             |
| 2756492         | 31.07.1998   | -136.009,39                                                                            |
| 5000000751      | 30.06.2014   | -135.236,01                                                                            |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 31.2

## Receivables and financial assets Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2746802         | 01.12.1997   | 131.376,47                                                                             |
| 2746801         | 30.11.1997   | -131.376,47                                                                            |
| 2745589         | 03.11.1997   | 130.045,67                                                                             |
| 2745588         | 31.10.1997   | -130.045,67                                                                            |
| 5200000144      | 30.04.2001   | 128.708,67                                                                             |
| 5200000317      | 01.05.2001   | -128.708,67                                                                            |
| 2752895         | 04.05.1998   | 128.460,87                                                                             |
| 2752894         | 30.04.1998   | -128.460,87                                                                            |
| 5000000380      | 31.03.2015   | 128.251,54                                                                             |
| 5000000570      | 31.05.2015   | 128.251,54                                                                             |
| 5000001889      | 31.12.2014   | -128.251,54                                                                            |
| 5000000570      | 31.05.2015   | -128.251,54                                                                            |
| 9515442140      | 06.12.2017   | 127.428,56                                                                             |
| 9515408709      | 22.11.2017   | 127.067,83                                                                             |
| 9515426750      | 29.11.2017   | 126.999,18                                                                             |
| 2754017         | 02.06.1998   | 126.738,02                                                                             |
| 2754016         | 31.05.1998   | -126.738,02                                                                            |
| 9515215054      | 31.08.2017   | 125.000,00                                                                             |
| 5000000853      | 01.07.2016   | 122.633,15                                                                             |
| 2789189         | 31.10.2000   | 121.055,59                                                                             |
| 2789190         | 01.11.2000   | -121.055,59                                                                            |
| 9515211614      | 30.08.2017   | 120.365,48                                                                             |
| 5200007571      | 30.11.2007   | 120.036,97                                                                             |
| 9515428464      | 04.12.2017   | 115.305,95                                                                             |
| 5200003898      | 31.07.2001   | 112.820,23                                                                             |
| 5200004052      | 01.08.2001   | -112.820,23                                                                            |
| 2751800         | 01.04.1998   | 111.966,78                                                                             |
| 2751799         | 31.03.1998   | -111.966,78                                                                            |
| 9515302102      | 06.10.2017   | 111.701,72                                                                             |
| 2500000792      | 10.08.2017   | 108.360,00                                                                             |
| 5200034824      | 31.10.2017   | -107.272,84                                                                            |
| 5200037167      | 31.12.2001   | 106.338,74                                                                             |
| 2786936         | 31.08.2000   | 105.892,57                                                                             |
| 2786937         | 01.09.2000   | -105.892,57                                                                            |
| 2782300         | 30.04.2000   | 104.047,61                                                                             |
| 2782301         | 02.05.2000   | -104.047,61                                                                            |
| 5000002226      | 31.12.2017   | 101.377,82                                                                             |
| 5000002229      | 31.12.2017   | -101.377,82                                                                            |
| 2744416         | 01.10.1997   | 99.492,68                                                                              |
| 2744415         | 30.09.1997   | -99.492,68                                                                             |
| 5000000745      | 30.06.2015   | 96.462,58                                                                              |
| 5200036448      | 30.11.2001   | 95.386,96                                                                              |
| 5200036632      | 01.12.2001   | -95.386,96                                                                             |
| 5200007450      | 30.06.2002   | -93.241,86                                                                             |
| 2742108         | 31.07.1997   | 91.999,75                                                                              |
| 2742109         | 01.08.1997   | -91.999,75                                                                             |
| 9515399994      | 17.11.2017   | 90.713,70                                                                              |
| 9515453417      | 11.12.2017   | 90.713,70                                                                              |
| 5000001861      | 31.12.2016   | 89.214,37                                                                              |
| 5000001826      | 31.12.2015   | 88.773,38                                                                              |
| 5000001909      | 31.12.2015   | 87.404,60                                                                              |
| 5000001941      | 31.12.2015   | -87.404,60                                                                             |
| 5200010099      | 30.09.2003   | -84.626,19                                                                             |
| 2779004         | 31.01.2000   | 82.851,17                                                                              |
| 2779005         | 01.02.2000   | -82.851,17                                                                             |
| 2751807         | 31.03.1998   | 81.138,16                                                                              |
| 2751808         | 01.04.1998   | -81.138,16                                                                             |
| 2788051         | 30.09.2000   | 81.035,55                                                                              |
| 2788052         | 02.10.2000   | -81.035,55                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2743188         | 01.09.1997   | 80.695,93                                                                              |
| 2743187         | 31.08.1997   | -80.695,93                                                                             |
| 2749242         | 31.01.1998   | 78.723,75                                                                              |
| 2749243         | 02.02.1998   | -78.723,75                                                                             |
| 5200009648      | 31.10.2001   | 77.608,34                                                                              |
| 5200010002      | 01.11.2001   | -77.608,34                                                                             |
| 5200005311      | 01.09.2001   | 77.489,32                                                                              |
| 5200005157      | 31.08.2001   | -77.489,32                                                                             |
| 5000001989      | 31.12.2013   | 77.155,31                                                                              |
| 2781357         | 31.03.2000   | 76.838,94                                                                              |
| 2781358         | 03.04.2000   | -76.838,94                                                                             |
| 5200005157      | 31.08.2001   | 76.552,45                                                                              |
| 5200005311      | 01.09.2001   | -76.552,45                                                                             |
| 9515337219      | 20.10.2017   | 76.355,60                                                                              |
| 9515319304      | 13.10.2017   | 75.662,68                                                                              |
| 5000000830      | 30.06.2014   | 73.237,62                                                                              |
| 9515360291      | 01.11.2017   | 72.570,96                                                                              |
| 9515423676      | 28.11.2017   | 72.570,96                                                                              |
| 5000001487      | 30.11.2015   | -72.490,44                                                                             |
| 5000001487      | 30.11.2015   | -70.807,14                                                                             |
| 9515432248      | 01.12.2017   | 70.595,75                                                                              |
| 2780200         | 29.02.2000   | 67.003,62                                                                              |
| 2780201         | 01.03.2000   | -67.003,62                                                                             |
| 5200005763      | 30.09.2001   | 66.699,93                                                                              |
| 5200005922      | 01.10.2001   | -66.699,93                                                                             |
| 9515386196      | 13.11.2017   | 66.667,20                                                                              |
| 2782278         | 30.04.2000   | 63.590,54                                                                              |
| 2782279         | 02.05.2000   | -63.590,54                                                                             |
| 2750497         | 28.02.1998   | 63.252,72                                                                              |
| 2750498         | 02.03.1998   | -63.252,72                                                                             |
| 9515349230      | 26.10.2017   | 62.731,97                                                                              |
| 5000000853      | 01.07.2016   | -61.820,18                                                                             |
| 2742099         | 01.08.1997   | 61.617,57                                                                              |
| 2742098         | 31.07.1997   | -61.617,57                                                                             |
| 5000000885      | 27.07.2016   | 60.919,48                                                                              |
| 5000000888      | 27.07.2016   | -60.919,48                                                                             |
| 5000000853      | 01.07.2016   | -60.812,97                                                                             |
| 2747977         | 31.12.1997   | 60.724,12                                                                              |
| 2747978         | 02.01.1998   | -60.724,12                                                                             |
| 2783516         | 31.05.2000   | 60.579,99                                                                              |
| 2783517         | 05.06.2000   | -60.579,99                                                                             |
| 5200014568      | 31.12.2002   | -60.092,21                                                                             |
| 9515461747      | 14.12.2017   | 59.998,94                                                                              |
| 2743193         | 31.08.1997   | 59.634,64                                                                              |
| 2743194         | 01.09.1997   | -59.634,64                                                                             |
| 5200005546      | 30.04.2002   | -59.445,59                                                                             |
| 2760290         | 02.11.1998   | 58.475,80                                                                              |
| 2760289         | 31.10.1998   | -58.475,80                                                                             |
| 2704889         | 31.03.2001   | 57.806,77                                                                              |
| 2704890         | 01.04.2001   | -57.806,77                                                                             |
| 2775810         | 31.10.1999   | 57.403,38                                                                              |
| 2775811         | 01.11.1999   | -57.403,38                                                                             |
| 5200006788      | 31.05.2002   | -56.677,13                                                                             |
| 2777802         | 31.12.1999   | 56.314,85                                                                              |
| 2777803         | 03.01.2000   | -56.314,85                                                                             |
| 5200003580      | 31.05.2010   | 53.387,30                                                                              |
| 5200007422      | 31.10.2008   | 52.478,80                                                                              |
| 5000001909      | 31.12.2015   | 51.855,73                                                                              |
| 5200005570      | 31.05.2003   | -51.763,75                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 31.2

## Receivables and financial assets Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9515452352      | 11.12.2017   | 51.594,87                                                                              |
| 6000446193      | 19.12.2008   | 51.569,85                                                                              |
| 2701401         | 31.12.2000   | 51.332,40                                                                              |
| 2701402         | 01.01.2001   | -51.332,40                                                                             |
| 2700388         | 30.11.2000   | 50.662,09                                                                              |
| 2700389         | 01.12.2000   | -50.662,09                                                                             |
| 2759008         | 01.10.1998   | 49.872,76                                                                              |
| 2759007         | 30.09.1998   | -49.872,76                                                                             |
| 2789193         | 31.10.2000   | 49.820,90                                                                              |
| 2789194         | 01.11.2000   | -49.820,90                                                                             |
| 2785713         | 31.07.2000   | 49.259,30                                                                              |
| 2785714         | 01.08.2000   | -49.259,30                                                                             |
| 2736384         | 28.02.1997   | 49.157,99                                                                              |
| 2736385         | 03.03.1997   | -49.157,99                                                                             |
| 9515452337      | 11.12.2017   | 49.031,70                                                                              |
| 2752902         | 30.04.1998   | 48.182,51                                                                              |
| 2752903         | 04.05.1998   | -48.182,51                                                                             |
| 2746807         | 30.11.1997   | 48.132,54                                                                              |
| 2746808         | 01.12.1997   | -48.132,54                                                                             |
| 5200007418      | 31.10.2008   | 48.102,21                                                                              |
| 2762899         | 04.01.1999   | 47.901,68                                                                              |
| 2762898         | 31.12.1998   | -47.901,68                                                                             |
| 2700387         | 01.12.2000   | 47.849,26                                                                              |
| 2700386         | 30.11.2000   | -47.849,26                                                                             |
| 5200005922      | 01.10.2001   | 47.316,49                                                                              |
| 5200005763      | 30.09.2001   | -47.316,49                                                                             |
| 2740870         | 30.06.1997   | 47.092,33                                                                              |
| 2740871         | 01.07.1997   | -47.092,33                                                                             |
| 2738660         | 30.04.1997   | 46.905,33                                                                              |
| 2738661         | 02.05.1997   | -46.905,33                                                                             |
| 2777800         | 31.12.1999   | 46.826,00                                                                              |
| 2777801         | 03.01.2000   | -46.826,00                                                                             |
| 2700392         | 30.11.2000   | 46.479,29                                                                              |
| 2700393         | 01.12.2000   | -46.479,29                                                                             |
| 2500000918      | 13.09.2017   | 46.440,00                                                                              |
| 2759002         | 01.10.1998   | 45.978,04                                                                              |
| 2759001         | 30.09.1998   | -45.978,04                                                                             |
| 9515436807      | 04.12.2017   | 45.859,75                                                                              |
| 2754026         | 31.05.1998   | 45.403,57                                                                              |
| 2754027         | 02.06.1998   | -45.403,57                                                                             |
| 9515395674      | 16.11.2017   | 45.039,08                                                                              |
| 5200010069      | 01.04.2017   | 44.720,00                                                                              |
| 5200014681      | 01.05.2017   | 44.720,00                                                                              |
| 5200015847      | 01.06.2017   | 44.720,00                                                                              |
| 5200020340      | 01.07.2017   | 44.720,00                                                                              |
| 2744423         | 30.09.1997   | 44.280,67                                                                              |
| 2744424         | 01.10.1997   | -44.280,67                                                                             |
| 5000001818      | 31.12.2016   | 44.138,20                                                                              |
| 9515391914      | 15.11.2017   | 43.888,00                                                                              |
| 9515405590      | 21.11.2017   | 43.722,00                                                                              |
| 5200014065      | 31.12.2003   | -43.389,35                                                                             |
| 2745595         | 03.11.1997   | 43.297,06                                                                              |
| 2745594         | 31.10.1997   | -43.297,06                                                                             |
| 9515461927      | 14.12.2017   | 42.958,89                                                                              |
| 5200007426      | 31.10.2008   | -42.756,88                                                                             |
| 9515371045      | 07.11.2017   | 42.586,65                                                                              |
| 4000137100      | 11.05.2010   | 42.469,11                                                                              |
| 5200001258      | 31.01.2003   | -42.197,14                                                                             |
| 2781335         | 31.03.2000   | 41.961,29                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2781336         | 03.04.2000   | -41.961,29                                                                             |
| 2701384         | 01.01.2001   | 41.763,00                                                                              |
| 2701383         | 31.12.2000   | -41.763,00                                                                             |
| 2788057         | 30.09.2000   | 41.699,81                                                                              |
| 2788058         | 02.10.2000   | -41.699,81                                                                             |
| 2760284         | 02.11.1998   | 41.683,83                                                                              |
| 2760283         | 31.10.1998   | -41.683,83                                                                             |
| 2789199         | 31.10.2000   | 41.459,56                                                                              |
| 2789200         | 01.11.2000   | -41.459,56                                                                             |
| 2704893         | 31.03.2001   | 41.256,56                                                                              |
| 2704894         | 01.04.2001   | -41.256,56                                                                             |
| 2786942         | 31.08.2000   | 41.057,53                                                                              |
| 2786943         | 01.09.2000   | -41.057,53                                                                             |
| 2731828         | 31.01.1997   | 40.586,62                                                                              |
| 2731829         | 03.02.1997   | -40.586,62                                                                             |
| 5200001551      | 31.01.2002   | 40.180,77                                                                              |
| 5200001714      | 01.02.2002   | -40.180,77                                                                             |
| 9515377513      | 09.11.2017   | 40.033,04                                                                              |
| 2766924         | 31.03.1999   | 39.983,44                                                                              |
| 2766925         | 01.04.1999   | -39.983,44                                                                             |
| 5200008765      | 31.08.2003   | 39.878,19                                                                              |
| 2784576         | 03.07.2000   | 39.837,01                                                                              |
| 2784575         | 30.06.2000   | -39.837,01                                                                             |
| 2702570         | 01.02.2001   | 39.383,62                                                                              |
| 2702569         | 31.01.2001   | -39.383,62                                                                             |
| 5200039523      | 30.11.2017   | 39.015,64                                                                              |
| 5200039522      | 30.11.2017   | -39.015,64                                                                             |
| 5200008543      | 31.12.2008   | -38.677,10                                                                             |
| 5200004062      | 31.05.2005   | 38.490,10                                                                              |
| 2745599         | 03.11.1997   | 38.321,47                                                                              |
| 2745598         | 31.10.1997   | -38.321,47                                                                             |
| 2772170         | 02.08.1999   | 38.019,12                                                                              |
| 2772169         | 31.07.1999   | -38.019,12                                                                             |
| 5200004880      | 31.07.2010   | -37.799,71                                                                             |
| 2783515         | 05.06.2000   | 37.675,62                                                                              |
| 2783514         | 31.05.2000   | -37.675,62                                                                             |
| 2761634         | 01.12.1998   | 37.565,56                                                                              |
| 2761633         | 30.11.1998   | -37.565,56                                                                             |
| 9513115233      | 28.01.2015   | 37.407,65                                                                              |
| 9515398777      | 17.11.2017   | 37.372,00                                                                              |
| 9515468982      | 18.12.2017   | 37.208,00                                                                              |
| 5000000365      | 31.03.2015   | -36.587,42                                                                             |
| 9515362952      | 02.11.2017   | 36.533,00                                                                              |
| 9515474885      | 20.12.2017   | 36.461,60                                                                              |
| 2737512         | 31.03.1997   | 36.457,70                                                                              |
| 2737513         | 01.04.1997   | -36.457,70                                                                             |
| 2766257         | 01.01.1992   | 36.296,76                                                                              |
| 2766218         | 31.12.1991   | -36.296,76                                                                             |
| 9515372459      | 07.11.2017   | 36.285,48                                                                              |
| 2784577         | 30.06.2000   | 36.205,53                                                                              |
| 2784578         | 03.07.2000   | -36.205,53                                                                             |
| 5200023669      | 01.08.2017   | 36.120,00                                                                              |
| 5200027113      | 01.09.2017   | 36.120,00                                                                              |
| 5200030824      | 01.10.2017   | 36.120,00                                                                              |
| 5200034486      | 01.11.2017   | 36.120,00                                                                              |
| 5200038268      | 01.12.2017   | 36.120,00                                                                              |
| 2714037         | 01.11.1995   | 35.735,52                                                                              |
| 2714036         | 31.10.1995   | -35.735,52                                                                             |
| 2777776         | 31.12.1999   | 35.387,94                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 31.2

## Receivables and financial assets Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2777777         | 03.01.2000   | -35.387,94                                                                             |
| 9515420128      | 27.11.2017   | 35.326,70                                                                              |
| 2700398         | 30.11.2000   | 35.295,80                                                                              |
| 2700399         | 01.12.2000   | -35.295,80                                                                             |
| 2703688         | 28.02.2001   | 35.107,51                                                                              |
| 2703689         | 01.03.2001   | -35.107,51                                                                             |
| 9515453345      | 11.12.2017   | 35.049,35                                                                              |
| 9515369102      | 06.11.2017   | 35.005,90                                                                              |
| 5200000828      | 31.01.2009   | 34.768,82                                                                              |
| 2702575         | 31.01.2001   | 34.693,46                                                                              |
| 2702576         | 01.02.2001   | -34.693,46                                                                             |
| 2300002441      | 25.09.2017   | 34.418,62                                                                              |
| 2500000653      | 06.07.2017   | -34.400,00                                                                             |
| 2770571         | 30.06.1999   | 34.374,16                                                                              |
| 2770572         | 01.07.1999   | -34.374,16                                                                             |
| 5200007431      | 31.10.2008   | -34.361,89                                                                             |
| 2500001194      | 23.12.2016   | 34.305,89                                                                              |
| 4000422657      | 28.12.2016   | -34.305,89                                                                             |
| 2782304         | 30.04.2000   | 34.013,98                                                                              |
| 2782305         | 02.05.2000   | -34.013,98                                                                             |
| 4000000254      | 05.01.2015   | 33.935,20                                                                              |
| 4000000265      | 05.01.2015   | -33.935,20                                                                             |
| 5200004052      | 01.08.2001   | 33.878,01                                                                              |
| 5200003898      | 31.07.2001   | -33.878,01                                                                             |
| 9515478595      | 22.12.2017   | 33.833,20                                                                              |
| 9515405307      | 21.11.2017   | 33.243,22                                                                              |
| 2769267         | 31.05.1999   | 33.212,78                                                                              |
| 2769268         | 01.06.1999   | -33.212,78                                                                             |
| 5000000368      | 31.03.2016   | -33.184,16                                                                             |
| 6000447072      | 18.12.2008   | -33.016,07                                                                             |
| 9515296577      | 04.10.2017   | 33.000,00                                                                              |
| 9515474840      | 20.12.2017   | 32.974,90                                                                              |
| 2785717         | 31.07.2000   | 32.568,62                                                                              |
| 2785718         | 01.08.2000   | -32.568,62                                                                             |
| 2702571         | 31.01.2001   | 32.302,58                                                                              |
| 2702572         | 01.02.2001   | -32.302,58                                                                             |
| 2763992         | 01.02.1999   | 32.019,43                                                                              |
| 2763991         | 31.01.1999   | -32.019,43                                                                             |
| 9515360319      | 01.11.2017   | 31.954,50                                                                              |
| 9514843476      | 22.03.2017   | 31.816,37                                                                              |
| 2701405         | 31.12.2000   | 31.763,99                                                                              |
| 2701406         | 01.01.2001   | -31.763,99                                                                             |
| 5200001724      | 31.01.2015   | 31.747,79                                                                              |
| 2770569         | 30.06.1999   | 31.406,77                                                                              |
| 2770570         | 01.07.1999   | -31.406,77                                                                             |
| 2765465         | 28.02.1999   | 31.386,52                                                                              |
| 2765466         | 01.03.1999   | -31.386,52                                                                             |
| 9515224267      | 05.09.2017   | 31.315,08                                                                              |
| 2736394         | 28.02.1997   | 31.238,67                                                                              |
| 2736395         | 03.03.1997   | -31.238,67                                                                             |
| 2745596         | 31.10.1997   | 31.109,28                                                                              |
| 2745597         | 03.11.1997   | -31.109,28                                                                             |
| 2783520         | 31.05.2000   | 30.986,12                                                                              |
| 2783521         | 05.06.2000   | -30.986,12                                                                             |
| 2781994         | 01.09.1992   | 30.871,14                                                                              |
| 2781946         | 31.08.1992   | -30.871,14                                                                             |
| 2707664         | 03.04.1995   | 30.667,77                                                                              |
| 2707663         | 31.03.1995   | -30.667,77                                                                             |
| 5200013004      | 30.11.2003   | -30.650,95                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2739681         | 31.05.1997   | 30.510,38                                                                              |
| 2739682         | 02.06.1997   | -30.510,38                                                                             |
| 5200006599      | 30.06.2003   | 30.287,07                                                                              |
| 2703684         | 28.02.2001   | 30.168,78                                                                              |
| 2703685         | 01.03.2001   | -30.168,78                                                                             |
| 2702548         | 01.02.2001   | 29.980,45                                                                              |
| 2702547         | 31.01.2001   | -29.980,45                                                                             |
| 9515342476      | 24.10.2017   | 29.609,15                                                                              |
| 5200009168      | 31.07.2002   | 29.393,78                                                                              |
| 2500001216      | 21.05.2010   | -29.339,98                                                                             |
| 9515407002      | 21.11.2017   | 29.113,40                                                                              |
| 2703657         | 01.03.2001   | 28.431,89                                                                              |
| 2703656         | 28.02.2001   | -28.431,89                                                                             |
| 9515364914      | 03.11.2017   | 28.327,46                                                                              |
| 5200002823      | 28.02.2002   | 28.241,29                                                                              |
| 5200002997      | 01.03.2002   | -28.241,29                                                                             |
| 2775832         | 31.10.1999   | 28.240,31                                                                              |
| 2775833         | 01.11.1999   | -28.240,31                                                                             |
| 5200002212      | 30.06.2001   | 28.236,00                                                                              |
| 5200002399      | 01.07.2001   | -28.236,00                                                                             |
| 9515435695      | 04.12.2017   | 28.118,25                                                                              |
| 2784581         | 30.06.2000   | 28.053,88                                                                              |
| 2784582         | 03.07.2000   | -28.053,88                                                                             |
| 9515358798      | 01.11.2017   | 28.025,00                                                                              |
| 9515364735      | 03.11.2017   | 27.991,78                                                                              |
| 2775836         | 31.10.1999   | 27.953,82                                                                              |
| 2775837         | 01.11.1999   | -27.953,82                                                                             |
| 9515364737      | 03.11.2017   | 27.651,87                                                                              |
| 52000034825     | 31.10.2017   | -27.395,34                                                                             |
| 2713165         | 02.10.1995   | 27.255,94                                                                              |
| 2713164         | 30.09.1995   | -27.255,94                                                                             |
| 5200008556      | 31.12.2008   | 27.246,99                                                                              |
| 2781361         | 31.03.2000   | 27.096,97                                                                              |
| 2781362         | 03.04.2000   | -27.096,97                                                                             |
| 5000001064      | 30.06.2017   | 26.871,16                                                                              |
| 5000001364      | 30.09.2017   | 26.871,16                                                                              |
| 5000001060      | 30.06.2017   | -26.871,16                                                                             |
| 5000001365      | 30.09.2017   | -26.871,16                                                                             |
| 5200002751      | 30.04.2006   | -26.853,75                                                                             |
| 5000000556      | 31.03.2017   | 26.448,46                                                                              |
| 5000000853      | 30.06.2017   | 26.448,46                                                                              |
| 5000000553      | 31.03.2017   | -26.448,46                                                                             |
| 5000000854      | 30.06.2017   | -26.448,46                                                                             |
| 9515381148      | 10.11.2017   | 26.424,00                                                                              |
| 9515259345      | 20.09.2017   | 26.422,50                                                                              |
| 2789188         | 01.11.2000   | 26.366,02                                                                              |
| 2789187         | 31.10.2000   | -26.366,02                                                                             |
| 2751813         | 31.03.1998   | 26.361,87                                                                              |
| 2751814         | 01.04.1998   | -26.361,87                                                                             |
| 5000001755      | 31.12.2015   | 26.314,65                                                                              |
| 2788050         | 02.10.2000   | 26.063,53                                                                              |
| 2788049         | 30.09.2000   | -26.063,53                                                                             |
| 5200007294      | 30.11.2006   | -25.945,34                                                                             |
| 9515398777      | 17.11.2017   | 25.920,70                                                                              |
| 2769271         | 31.05.1999   | 25.775,18                                                                              |
| 2769272         | 01.06.1999   | -25.775,18                                                                             |
| 2704899         | 31.03.2001   | 25.662,18                                                                              |
| 2704900         | 01.04.2001   | -25.662,18                                                                             |
| 5200008547      | 31.12.2008   | -25.585,48                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 31.2

## Receivables and financial assets Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2783494         | 31.05.2000   | 25.574,43                                                                              |
| 2783495         | 05.06.2000   | -25.574,43                                                                             |
| 5200012218      | 30.11.2004   | -25.545,36                                                                             |
| 9515461522      | 14.12.2017   | 25.260,00                                                                              |
| 2781998         | 01.09.1992   | 25.253,23                                                                              |
| 2781950         | 31.08.1992   | -25.253,23                                                                             |
| 5200000842      | 31.01.2009   | -25.034,13                                                                             |
| 5200004507      | 30.04.2003   | -24.924,89                                                                             |
| 2724711         | 01.08.1996   | 24.812,85                                                                              |
| 2724710         | 31.07.1996   | -24.812,85                                                                             |
| 5000000873      | 30.06.2002   | 24.781,26                                                                              |
| 5000000870      | 30.06.2002   | -24.781,26                                                                             |
| 2774614         | 01.07.1992   | 24.613,69                                                                              |
| 2774577         | 30.06.1992   | -24.613,69                                                                             |
| 2704888         | 02.01.1995   | 24.396,80                                                                              |
| 2704887         | 31.12.1994   | -24.396,80                                                                             |
| 2780204         | 29.02.2000   | 24.119,18                                                                              |
| 2780205         | 01.03.2000   | -24.119,18                                                                             |
| 5200011341      | 31.10.2004   | -24.064,14                                                                             |
| 2749248         | 31.01.1998   | 23.627,58                                                                              |
| 2749249         | 02.02.1998   | -23.627,58                                                                             |
| 5000002229      | 31.12.2017   | 23.625,65                                                                              |
| 2783456         | 01.10.1992   | 23.512,77                                                                              |
| 2783407         | 30.09.1992   | -23.512,77                                                                             |
| 2775998         | 01.08.1992   | 23.327,20                                                                              |
| 2775960         | 31.07.1992   | -23.327,20                                                                             |
| 2766265         | 01.01.1992   | 23.325,99                                                                              |
| 2766226         | 31.12.1991   | -23.325,99                                                                             |
| 2783461         | 01.10.1992   | 23.115,23                                                                              |
| 2783412         | 30.09.1992   | -23.115,23                                                                             |
| 2744426         | 01.10.1997   | 23.062,54                                                                              |
| 2744425         | 30.09.1997   | -23.062,54                                                                             |
| 5200010002      | 01.11.2001   | 22.921,56                                                                              |
| 5200009648      | 31.10.2001   | -22.921,56                                                                             |
| 9515429886      | 30.11.2017   | 22.740,90                                                                              |
| 5200000874      | 31.01.2005   | 22.724,71                                                                              |
| 2779006         | 31.01.2000   | 22.711,90                                                                              |
| 2779007         | 01.02.2000   | -22.711,90                                                                             |
| 2523651         | 30.09.1999   | 22.579,06                                                                              |
| 2524055         | 01.10.1999   | -22.579,06                                                                             |
| 9515455553      | 12.12.2017   | 22.416,44                                                                              |
| 5200023424      | 31.08.2013   | -22.402,18                                                                             |
| 5200001717      | 31.01.2015   | 22.356,45                                                                              |
| 2736390         | 28.02.1997   | 22.307,34                                                                              |
| 2736391         | 03.03.1997   | -22.307,34                                                                             |
| 2703683         | 01.03.2001   | 22.270,32                                                                              |
| 2703682         | 28.02.2001   | -22.270,32                                                                             |
| 2640903         | 30.04.1996   | 22.182,60                                                                              |
| 2640904         | 02.05.1996   | -22.182,60                                                                             |
| 2738668         | 30.04.1997   | 21.817,16                                                                              |
| 2738669         | 02.05.1997   | -21.817,16                                                                             |
| 9515389752      | 14.11.2017   | 21.799,35                                                                              |
| 2731836         | 31.01.1997   | 21.681,01                                                                              |
| 2731837         | 03.02.1997   | -21.681,01                                                                             |
| 9515476301      | 21.12.2017   | 21.534,54                                                                              |
| 2775265         | 01.10.1999   | 21.500,14                                                                              |
| 2774423         | 01.09.1999   | -21.500,14                                                                             |
| 5200003736      | 31.05.2009   | -21.374,53                                                                             |
| 9515389941      | 14.11.2017   | 21.117,25                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2761941         | 01.10.1991   | 21.037,93                                                                              |
| 2761896         | 30.09.1991   | -21.037,93                                                                             |
| 5200002680      | 31.01.2013   | -20.943,22                                                                             |
| 5200007417      | 31.10.2008   | -20.877,08                                                                             |
| 2706438         | 01.03.1995   | 20.872,80                                                                              |
| 2706437         | 28.02.1995   | -20.872,80                                                                             |
| 2780176         | 29.02.2000   | 20.795,16                                                                              |
| 2780177         | 01.03.2000   | -20.795,16                                                                             |
| 5200002223      | 30.06.2001   | 20.765,69                                                                              |
| 5200002410      | 01.07.2001   | -20.765,69                                                                             |
| 5200006843      | 30.09.2005   | 20.718,73                                                                              |
| 2708478         | 02.05.1995   | 20.668,00                                                                              |
| 2708477         | 30.04.1995   | -20.668,00                                                                             |
| 5200001833      | 31.05.2001   | 20.649,26                                                                              |
| 5200002012      | 01.06.2001   | -20.649,26                                                                             |
| 2789475         | 31.10.2000   | 20.556,35                                                                              |
| 2789476         | 01.11.2000   | -20.556,35                                                                             |
| 2731832         | 31.01.1997   | 20.248,87                                                                              |
| 2731833         | 03.02.1997   | -20.248,87                                                                             |
| 5200006143      | 30.09.2010   | -20.225,67                                                                             |
| 9515455491      | 12.12.2017   | 20.173,00                                                                              |
| 9515420128      | 27.11.2017   | 20.143,35                                                                              |
| 5000001501      | 01.12.2007   | 20.068,27                                                                              |
| 5000001501      | 01.12.2007   | -20.068,27                                                                             |
| 2523651         | 30.09.1999   | 20.008,51                                                                              |
| 2524055         | 01.10.1999   | -20.008,51                                                                             |
| 5200007419      | 31.10.2008   | 19.930,82                                                                              |
| 2775250         | 01.10.1999   | 19.878,95                                                                              |
| 2774408         | 01.09.1999   | -19.878,95                                                                             |
| 5000000824      | 30.06.2014   | 19.768,69                                                                              |
| 5200003594      | 31.05.2010   | -19.742,61                                                                             |
| 5200011626      | 31.05.2012   | 19.346,51                                                                              |
| 2763987         | 31.01.1999   | 19.218,23                                                                              |
| 2763988         | 01.02.1999   | -19.218,23                                                                             |
| 9515432270      | 01.12.2017   | 19.163,25                                                                              |
| 5200001726      | 31.01.2015   | -19.036,05                                                                             |
| 2700688         | 30.11.2000   | 18.946,49                                                                              |
| 2700689         | 01.12.2000   | -18.946,49                                                                             |
| 2706428         | 01.03.1995   | 18.897,92                                                                              |
| 2706427         | 28.02.1995   | -18.897,92                                                                             |
| 2761607         | 30.11.1998   | 18.795,60                                                                              |
| 2761608         | 01.12.1998   | -18.795,60                                                                             |
| 5200005973      | 31.08.2008   | 18.763,60                                                                              |
| 5200001668      | 29.02.2008   | -18.712,45                                                                             |
| 5200001572      | 29.02.2008   | 18.633,07                                                                              |
| 2788029         | 30.09.2000   | 18.594,05                                                                              |
| 2788030         | 02.10.2000   | -18.594,05                                                                             |
| 5200007080      | 28.02.2013   | 18.582,19                                                                              |
| 2704864         | 01.04.2001   | 18.459,20                                                                              |
| 2704863         | 31.03.2001   | -18.459,20                                                                             |
| 2712232         | 01.09.1995   | 18.384,50                                                                              |
| 2712231         | 31.08.1995   | -18.384,50                                                                             |
| 5200008223      | 30.11.2005   | 18.271,95                                                                              |
| 9515448924      | 08.12.2017   | -18.265,00                                                                             |
| 5200002301      | 31.03.2009   | -18.155,36                                                                             |
| 5200001315      | 31.01.2004   | 17.951,35                                                                              |
| 2704905         | 31.03.2001   | 17.875,42                                                                              |
| 2704906         | 01.04.2001   | -17.875,42                                                                             |
| 5200000744      | 31.01.2006   | -17.862,92                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

## Annex 31.2

## Receivables and financial assets Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200021782      | 30.09.2012   | -17.832,10                                                                             |
| 5200006154      | 30.09.2010   | 17.774,94                                                                              |
| 2744422         | 01.10.1997   | 17.742,94                                                                              |
| 2744421         | 30.09.1997   | -17.742,94                                                                             |
| 2620267         | 31.12.1994   | 17.722,85                                                                              |
| 2620278         | 02.01.1995   | -17.722,85                                                                             |
| 9515370925      | 07.11.2017   | 17.608,00                                                                              |
| 5200003912      | 31.07.2001   | 17.584,45                                                                              |
| 5200004066      | 01.08.2001   | -17.584,45                                                                             |
| 5200006161      | 30.09.2007   | -17.372,18                                                                             |
| 2774419         | 01.09.1999   | 17.330,87                                                                              |
| 2775261         | 01.10.1999   | -17.330,87                                                                             |
| 5200004893      | 31.07.2010   | 17.094,23                                                                              |
| 5200005977      | 31.08.2008   | 17.046,38                                                                              |
| 2764494         | 02.12.1991   | 17.009,99                                                                              |
| 2764457         | 30.11.1991   | -17.009,99                                                                             |
| 5200003400      | 31.05.2006   | -17.002,92                                                                             |
| 2709359         | 01.06.1995   | 16.928,84                                                                              |
| 2709358         | 31.05.1995   | -16.928,84                                                                             |
| 5200006831      | 31.05.2004   | -16.922,92                                                                             |
| 5200037348      | 31.12.2001   | 16.912,31                                                                              |
| 5200011636      | 31.05.2012   | -16.877,05                                                                             |
| 2788347         | 30.09.2000   | 16.643,93                                                                              |
| 2788348         | 02.10.2000   | -16.643,93                                                                             |
| 2703174         | 01.11.1994   | 16.626,68                                                                              |
| 2703173         | 31.10.1994   | -16.626,68                                                                             |
| 2763256         | 01.11.1991   | 16.589,16                                                                              |
| 2763220         | 31.10.1991   | -16.589,16                                                                             |
| 9515432270      | 01.12.2017   | 16.558,85                                                                              |
| 9515375691      | 08.11.2017   | 16.515,40                                                                              |
| 5200002576      | 31.03.2005   | 16.508,17                                                                              |
| 5200028530      | 31.10.2015   | 16.479,69                                                                              |
| 2750503         | 28.02.1998   | 16.469,09                                                                              |
| 2750504         | 02.03.1998   | -16.469,09                                                                             |
| 9515372381      | 07.11.2017   | 16.445,10                                                                              |
| 2705255         | 31.03.2001   | 16.430,38                                                                              |
| 2705256         | 01.04.2001   | -16.430,38                                                                             |
| 2746810         | 01.12.1997   | 16.391,46                                                                              |
| 2746809         | 30.11.1997   | -16.391,46                                                                             |
| 2700786         | 01.07.1994   | 16.377,53                                                                              |
| 2700785         | 30.06.1994   | -16.377,53                                                                             |
| 2775262         | 01.10.1999   | 16.343,44                                                                              |
| 2774420         | 01.09.1999   | -16.343,44                                                                             |
| 5200000159      | 30.04.2001   | 16.334,54                                                                              |
| 5200000332      | 01.05.2001   | -16.334,54                                                                             |
| 2787224         | 31.08.2000   | 16.334,50                                                                              |
| 2787225         | 01.09.2000   | -16.334,50                                                                             |
| 2785712         | 01.08.2000   | 16.323,45                                                                              |
| 2785711         | 31.07.2000   | -16.323,45                                                                             |
| 9515298471      | 05.10.2017   | 16.322,88                                                                              |
| 5200023733      | 31.07.2017   | 16.163,14                                                                              |
| 2500000818      | 10.08.2017   | -16.163,14                                                                             |
| 9515445442      | 07.12.2017   | 16.135,11                                                                              |
| 5200015603      | 30.09.2011   | 16.102,43                                                                              |
| 5200036765      | 30.11.2001   | 16.058,86                                                                              |
| 5200036767      | 01.12.2001   | -16.058,86                                                                             |
| 9515403261      | 20.11.2017   | 16.028,55                                                                              |
| 6000187067      | 21.06.2017   | -15.978,24                                                                             |
| 5200002315      | 31.03.2009   | 15.956,98                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2500002825      | 04.11.2008   | -15.946,64                                                                             |
| 2736393         | 03.03.1997   | 15.933,01                                                                              |
| 2736392         | 28.02.1997   | -15.933,01                                                                             |
| 5200031259      | 30.09.2017   | -15.922,67                                                                             |
| 9515358979      | 01.11.2017   | 15.877,11                                                                              |
| 9515382642      | 10.11.2017   | 15.827,00                                                                              |
| 2747981         | 31.12.1997   | 15.807,44                                                                              |
| 2747982         | 02.01.1998   | -15.807,44                                                                             |
| 2738664         | 30.04.1997   | 15.803,65                                                                              |
| 2738665         | 02.05.1997   | -15.803,65                                                                             |
| 9515470804      | 19.12.2017   | 15.768,00                                                                              |
| 2725932         | 02.09.1996   | 15.753,37                                                                              |
| 2725931         | 31.08.1996   | -15.753,37                                                                             |
| 9515371045      | 07.11.2017   | 15.751,50                                                                              |
| 9515473700      | 20.12.2017   | 15.736,76                                                                              |
| 9515345552      | 25.10.2017   | 15.676,57                                                                              |
| 2757709         | 01.09.1998   | 15.648,92                                                                              |
| 2757708         | 31.08.1998   | -15.648,92                                                                             |
| 2749252         | 31.01.1998   | 15.646,64                                                                              |
| 2749253         | 02.02.1998   | -15.646,64                                                                             |
| 5200002269      | 31.03.2008   | -15.623,05                                                                             |
| 2716720         | 31.12.1995   | 15.600,25                                                                              |
| 2715977         | 02.01.1996   | 15.600,25                                                                              |
| 2717063         | 02.01.1996   | 15.600,25                                                                              |
| 2715976         | 31.12.1995   | -15.600,25                                                                             |
| 2717062         | 31.12.1995   | -15.600,25                                                                             |
| 2716721         | 02.01.1996   | -15.600,25                                                                             |
| 2730562         | 31.12.1996   | 15.571,53                                                                              |
| 2730563         | 02.01.1997   | -15.571,53                                                                             |
| 2786946         | 31.08.2000   | 15.537,77                                                                              |
| 2786947         | 01.09.2000   | -15.537,77                                                                             |
| 2778976         | 31.01.2000   | 15.492,78                                                                              |
| 2778977         | 01.02.2000   | -15.492,78                                                                             |
| 5200005986      | 31.08.2008   | -15.444,24                                                                             |
| 2717634         | 01.02.1996   | 15.404,30                                                                              |
| 2717633         | 31.01.1996   | -15.404,30                                                                             |
| 9515190754      | 21.08.2017   | 15.360,34                                                                              |
| 5200012725      | 31.12.2004   | -15.298,72                                                                             |
| 5200007502      | 30.11.2010   | 15.290,83                                                                              |
| 9515477191      | 21.12.2017   | 15.290,00                                                                              |
| 5200002393      | 01.07.2001   | 15.246,02                                                                              |
| 5200002206      | 30.06.2001   | -15.246,02                                                                             |
| 5200004324      | 31.03.2002   | 15.154,37                                                                              |
| 5200015613      | 30.09.2011   | -15.128,87                                                                             |
| 5200005581      | 30.04.2004   | 15.121,45                                                                              |
| 5200004701      | 30.06.2005   | 15.102,07                                                                              |
| 9515423548      | 28.11.2017   | 15.065,40                                                                              |
| 5200041942      | 31.12.2017   | 15.064,56                                                                              |
| 5200041941      | 31.12.2017   | -15.064,56                                                                             |
| 2742112         | 31.07.1997   | 15.055,70                                                                              |
| 2742113         | 01.08.1997   | -15.055,70                                                                             |
| 2776003         | 01.08.1992   | 15.047,03                                                                              |
| 2775965         | 31.07.1992   | -15.047,03                                                                             |
| 9515449110      | 08.12.2017   | 15.000,00                                                                              |
| 9515461591      | 14.12.2017   | 14.934,38                                                                              |
| 5000000679      | 29.05.2009   | 14.907,97                                                                              |
| 2782308         | 30.04.2000   | 14.865,58                                                                              |
| 2782309         | 02.05.2000   | -14.865,58                                                                             |
| 9515347512      | 25.10.2017   | 14.865,00                                                                              |

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| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4000144915      | 29.05.2009   | -14.826,77                                                                             |
| 2761627         | 30.11.1998   | 14.805,13                                                                              |
| 2761628         | 01.12.1998   | -14.805,13                                                                             |
| 2772179         | 31.07.1999   | 14.768,10                                                                              |
| 2772180         | 02.08.1999   | -14.768,10                                                                             |
| 2718939         | 01.03.1996   | 14.742,95                                                                              |
| 2718938         | 29.02.1996   | -14.742,95                                                                             |
| 9515358856      | 01.11.2017   | 14.723,00                                                                              |
| 5200017832      | 31.07.2014   | 14.706,44                                                                              |
| 2642022         | 31.05.1996   | 14.606,90                                                                              |
| 2642023         | 03.06.1996   | -14.606,90                                                                             |
| 5200008115      | 30.11.2008   | -14.601,26                                                                             |
| 5200001292      | 28.02.2006   | 14.564,85                                                                              |
| 2754029         | 02.06.1998   | 14.561,10                                                                              |
| 2754028         | 31.05.1998   | -14.561,10                                                                             |
| 5200005228      | 31.07.2008   | 14.543,16                                                                              |
| 2756507         | 03.08.1998   | 14.538,20                                                                              |
| 2756506         | 31.07.1998   | -14.538,20                                                                             |
| 5200001993      | 01.06.2001   | 14.523,96                                                                              |
| 5200001814      | 31.05.2001   | -14.523,96                                                                             |
| 2737516         | 31.03.1997   | 14.510,33                                                                              |
| 2737517         | 01.04.1997   | -14.510,33                                                                             |
| 2707666         | 03.04.1995   | 14.502,17                                                                              |
| 2707665         | 31.03.1995   | -14.502,17                                                                             |
| 5200010780      | 31.10.2001   | 14.458,45                                                                              |
| 5200010929      | 01.11.2001   | -14.458,45                                                                             |
| 5200019883      | 31.12.2011   | 14.424,45                                                                              |
| 2743192         | 01.09.1997   | 14.397,29                                                                              |
| 2743191         | 31.08.1997   | -14.397,29                                                                             |
| 2765468         | 01.03.1999   | 14.370,30                                                                              |
| 2765467         | 28.02.1999   | -14.370,30                                                                             |
| 2782299         | 02.05.2000   | 14.321,39                                                                              |
| 2782298         | 30.04.2000   | -14.321,39                                                                             |
| 2703694         | 28.02.2001   | 14.319,94                                                                              |
| 2703695         | 01.03.2001   | -14.319,94                                                                             |
| 5200008395      | 31.12.2009   | 14.305,83                                                                              |
| 9515468982      | 18.12.2017   | 14.273,55                                                                              |
| 5200003802      | 31.05.2009   | 14.263,58                                                                              |
| 9515325670      | 17.10.2017   | 14.253,50                                                                              |
| 5200007222      | 31.03.2015   | 14.240,89                                                                              |
| 2755117         | 30.06.1998   | 14.217,22                                                                              |
| 2755118         | 01.07.1998   | -14.217,22                                                                             |
| 2721197         | 30.04.1996   | 14.182,56                                                                              |
| 2721198         | 02.05.1996   | -14.182,56                                                                             |
| 5200019019      | 30.11.2011   | 14.170,09                                                                              |
| 2743198         | 01.09.1997   | 14.040,32                                                                              |
| 2743197         | 31.08.1997   | -14.040,32                                                                             |
| 5200000322      | 01.05.2001   | 14.039,20                                                                              |
| 5200000149      | 30.04.2001   | -14.039,20                                                                             |
| 9515190754      | 21.08.2017   | 14.035,02                                                                              |
| 2705767         | 01.02.1995   | 14.016,60                                                                              |
| 2705766         | 31.01.1995   | -14.016,60                                                                             |
| 5200005972      | 31.08.2008   | -13.864,35                                                                             |
| 2740862         | 30.06.1997   | 13.856,56                                                                              |
| 2740863         | 01.07.1997   | -13.856,56                                                                             |
| 9515446138      | 07.12.2017   | 13.818,24                                                                              |
| 2781365         | 31.03.2000   | 13.803,92                                                                              |
| 2781366         | 03.04.2000   | -13.803,92                                                                             |
| 5200005930      | 01.10.2001   | 13.775,93                                                                              |

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| 5200005771      | 30.09.2001   | -13.775,93                                                                             |
| 5200001790      | 28.02.2005   | -13.763,19                                                                             |
| 2755123         | 30.06.1998   | 13.724,98                                                                              |
| 2755124         | 01.07.1998   | -13.724,98                                                                             |
| 9514272853      | 01.07.2016   | 13.689,58                                                                              |
| 9514527012      | 01.11.2016   | 13.689,17                                                                              |
| 2783524         | 31.05.2000   | 13.639,85                                                                              |
| 2783525         | 05.06.2000   | -13.639,85                                                                             |
| 2789169         | 31.10.2000   | 13.628,40                                                                              |
| 2789170         | 01.11.2000   | -13.628,40                                                                             |
| 2762893         | 04.01.1999   | 13.619,01                                                                              |
| 2762892         | 31.12.1998   | -13.619,01                                                                             |
| 2751817         | 31.03.1998   | 13.570,78                                                                              |
| 2751818         | 01.04.1998   | -13.570,78                                                                             |
| 2702581         | 31.01.2001   | 13.556,20                                                                              |
| 2702582         | 01.02.2001   | -13.556,20                                                                             |
| 6000002596      | 05.01.2009   | -13.524,96                                                                             |
| 2704036         | 28.02.2001   | 13.468,01                                                                              |
| 2704037         | 01.03.2001   | -13.468,01                                                                             |
| 2752907         | 04.05.1998   | 13.410,54                                                                              |
| 2752906         | 30.04.1998   | -13.410,54                                                                             |
| 5200007509      | 30.11.2010   | -13.391,82                                                                             |
| 2786945         | 01.09.2000   | 13.378,17                                                                              |
| 2786944         | 31.08.2000   | -13.378,17                                                                             |
| 5200006028      | 30.09.2001   | 13.358,20                                                                              |
| 5200006036      | 01.10.2001   | -13.358,20                                                                             |
| 2702919         | 31.01.2001   | 13.268,54                                                                              |
| 2702920         | 01.02.2001   | -13.268,54                                                                             |
| 5200005473      | 31.08.2001   | 13.268,52                                                                              |
| 5200005483      | 01.09.2001   | -13.268,52                                                                             |
| 5200019031      | 30.11.2011   | -13.145,86                                                                             |
| 2562297         | 31.12.1996   | 13.119,38                                                                              |
| 2562298         | 02.01.1997   | -13.119,38                                                                             |
| 2715099         | 01.12.1995   | 13.103,50                                                                              |
| 2715098         | 30.11.1995   | -13.103,50                                                                             |
| 2774621         | 01.07.1992   | 13.100,35                                                                              |
| 2774584         | 30.06.1992   | -13.100,35                                                                             |
| 2747983         | 31.12.1997   | 13.053,62                                                                              |
| 2747984         | 02.01.1998   | -13.053,62                                                                             |
| 2750507         | 28.02.1998   | 13.052,26                                                                              |
| 2750508         | 02.03.1998   | -13.052,26                                                                             |
| 5200003728      | 28.02.2014   | 13.047,17                                                                              |
| 2766930         | 31.03.1999   | 13.024,49                                                                              |
| 2766931         | 01.04.1999   | -13.024,49                                                                             |
| 2719998         | 01.04.1996   | 13.008,81                                                                              |
| 2719997         | 31.03.1996   | -13.008,81                                                                             |
| 5200008551      | 31.12.2008   | -13.001,35                                                                             |
| 5200001678      | 28.02.2009   | -12.983,21                                                                             |
| 2780175         | 01.03.2000   | 12.963,24                                                                              |
| 2780174         | 29.02.2000   | -12.963,24                                                                             |
| 2782592         | 30.04.2000   | 12.941,19                                                                              |
| 2782593         | 02.05.2000   | -12.941,19                                                                             |
| 2710302         | 03.07.1995   | 12.813,76                                                                              |
| 2710301         | 30.06.1995   | -12.813,76                                                                             |
| 9515436807      | 04.12.2017   | 12.591,55                                                                              |
| 2780208         | 29.02.2000   | 12.556,34                                                                              |
| 2780209         | 01.03.2000   | -12.556,34                                                                             |
| 9515342451      | 24.10.2017   | 12.546,08                                                                              |
| 9515456600      | 12.12.2017   | 12.508,20                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2784585         | 30.06.2000   | 12.507,22                                                                              |
| 2784586         | 03.07.2000   | -12.507,22                                                                             |
| 9515357298      | 30.10.2017   | 12.495,00                                                                              |
| 5200020682      | 31.07.2013   | -12.492,45                                                                             |
| 9515360320      | 01.11.2017   | 12.426,75                                                                              |
| 2785721         | 31.07.2000   | 12.406,34                                                                              |
| 2785722         | 01.08.2000   | -12.406,34                                                                             |
| 5200010355      | 31.08.2002   | -12.393,31                                                                             |
| 5200001934      | 31.03.2006   | -12.344,58                                                                             |
| 2711251         | 01.08.1995   | 12.332,64                                                                              |
| 2711250         | 31.07.1995   | -12.332,64                                                                             |
| 5200010521      | 30.09.2004   | -12.315,03                                                                             |
| 9515416942      | 24.11.2017   | 12.312,00                                                                              |
| 9515477194      | 21.12.2017   | 12.258,62                                                                              |
| 2786023         | 31.07.2000   | 12.244,88                                                                              |
| 2786024         | 01.08.2000   | -12.244,88                                                                             |
| 5200022448      | 31.08.2015   | -12.236,29                                                                             |
| 9515439119      | 05.12.2017   | 12.199,20                                                                              |
| 5200031358      | 30.11.2015   | 12.182,41                                                                              |
| 2727097         | 30.09.1996   | 12.181,92                                                                              |
| 2727098         | 01.10.1996   | -12.181,92                                                                             |
| 2705779         | 01.02.1995   | 12.127,73                                                                              |
| 2705778         | 31.01.1995   | -12.127,73                                                                             |
| 5200000837      | 31.01.2010   | 12.081,73                                                                              |
| 6000260069      | 14.08.2009   | -11.980,53                                                                             |
| 5200009267      | 30.04.2014   | -11.899,80                                                                             |
| 5200011455      | 30.04.2015   | -11.883,14                                                                             |
| 5200025985      | 30.09.2013   | -11.877,71                                                                             |
| 2779010         | 31.01.2000   | 11.860,25                                                                              |
| 2779011         | 01.02.2000   | -11.860,25                                                                             |
| 5200019772      | 31.08.2012   | -11.858,16                                                                             |
| 2701719         | 31.12.2000   | 11.857,24                                                                              |
| 2701720         | 01.01.2001   | -11.857,24                                                                             |
| 5200031278      | 30.11.2013   | -11.834,03                                                                             |
| 9515395164      | 16.11.2017   | 11.804,94                                                                              |
| 9515386196      | 13.11.2017   | 11.795,85                                                                              |
| 5100094838      | 30.09.2015   | 11.753,71                                                                              |
| 5200008542      | 31.12.2008   | -11.753,26                                                                             |
| 2729477         | 30.11.1996   | 11.740,22                                                                              |
| 2729478         | 02.12.1996   | -11.740,22                                                                             |
| 5200002279      | 31.03.2008   | -11.541,54                                                                             |
| 5200003468      | 31.03.2003   | -11.492,43                                                                             |
| 5200007229      | 31.03.2015   | -11.483,41                                                                             |
| 2783828         | 31.05.2000   | 11.482,49                                                                              |
| 2783829         | 05.06.2000   | -11.482,49                                                                             |
| 9515470740      | 19.12.2017   | 11.476,80                                                                              |
| 2772171         | 31.07.1999   | 11.438,91                                                                              |
| 2772172         | 02.08.1999   | -11.438,91                                                                             |
| 2761626         | 01.12.1998   | 11.380,72                                                                              |
| 2761625         | 30.11.1998   | -11.380,72                                                                             |
| 2700384         | 01.06.1994   | 11.374,76                                                                              |
| 2700383         | 31.05.1994   | -11.374,76                                                                             |
| 2643406         | 30.06.1996   | 11.309,65                                                                              |
| 2643407         | 01.07.1996   | -11.309,65                                                                             |
| 2757705         | 01.09.1998   | 11.307,79                                                                              |
| 2757704         | 31.08.1998   | -11.307,79                                                                             |
| 5200001438      | 28.02.2007   | -11.279,83                                                                             |
| 9515209612      | 29.08.2017   | 11.253,15                                                                              |
| 5000001586      | 31.12.2014   | 11.243,92                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2782307         | 02.05.2000   | 11.224,89                                                                              |
| 2782306         | 30.04.2000   | -11.224,89                                                                             |
| 5200005642      | 30.04.2011   | -11.173,39                                                                             |
| 5200031365      | 30.11.2015   | -11.083,03                                                                             |
| 5200006683      | 30.09.2008   | -11.057,67                                                                             |
| 5200036632      | 01.12.2001   | 11.038,91                                                                              |
| 5200036448      | 30.11.2001   | -11.038,91                                                                             |
| 2786950         | 31.08.2000   | 10.996,88                                                                              |
| 2786951         | 01.09.2000   | -10.996,88                                                                             |
| 5200007620      | 31.07.2003   | 10.958,60                                                                              |
| 9515342451      | 24.10.2017   | 10.927,82                                                                              |
| 5000000938      | 31.07.2016   | 10.916,67                                                                              |
| 5200002285      | 31.03.2008   | 10.907,28                                                                              |
| 9515374066      | 08.11.2017   | 10.890,65                                                                              |
| 2747980         | 02.01.1998   | 10.872,51                                                                              |
| 2747979         | 31.12.1997   | -10.872,51                                                                             |
| 2701317         | 01.08.1994   | 10.848,93                                                                              |
| 2701316         | 31.07.1994   | -10.848,93                                                                             |
| 5200007227      | 31.03.2015   | 10.843,94                                                                              |
| 2752901         | 04.05.1998   | 10.831,18                                                                              |
| 2752900         | 30.04.1998   | -10.831,18                                                                             |
| 9515447025      | 07.12.2017   | 10.820,10                                                                              |
| 2700368         | 30.11.2000   | 10.794,60                                                                              |
| 2700369         | 01.12.2000   | -10.794,60                                                                             |
| 6000002407      | 06.01.2009   | 10.785,89                                                                              |
| 2786912         | 31.08.2000   | 10.769,61                                                                              |
| 2786913         | 01.09.2000   | -10.769,61                                                                             |
| 2785720         | 01.08.2000   | 10.764,59                                                                              |
| 2785719         | 31.07.2000   | -10.764,59                                                                             |
| 5200001580      | 28.02.2009   | 10.757,52                                                                              |
| 5200002783      | 30.04.2007   | -10.718,30                                                                             |
| 2713177         | 02.10.1995   | 10.694,19                                                                              |
| 2713176         | 30.09.1995   | -10.694,19                                                                             |
| 5200023176      | 30.09.2014   | 10.674,46                                                                              |
| 2717659         | 31.01.1996   | 10.670,24                                                                              |
| 2717660         | 01.02.1996   | -10.670,24                                                                             |
| 6000040096      | 31.01.2011   | -10.655,09                                                                             |
| 5000002229      | 31.12.2017   | 10.594,01                                                                              |
| 9515461794      | 14.12.2017   | 10.586,60                                                                              |
| 5000002229      | 31.12.2017   | 10.567,92                                                                              |
| 9515345711      | 04.12.2017   | 10.537,50                                                                              |
| 9515342494      | 24.10.2017   | 10.525,85                                                                              |
| 2789874         | 02.05.1994   | 10.524,58                                                                              |
| 2789873         | 30.04.1994   | -10.524,58                                                                             |
| 9515476169      | 21.12.2017   | 10.514,00                                                                              |
| 9515393262      | 15.11.2017   | 10.442,40                                                                              |
| 9515470807      | 19.12.2017   | 10.435,00                                                                              |
| 2769275         | 31.05.1999   | 10.429,61                                                                              |
| 2769276         | 01.06.1999   | -10.429,61                                                                             |
| 5200006676      | 30.09.2008   | 10.426,47                                                                              |
| 9515445409      | 07.12.2017   | 10.414,54                                                                              |
| 5200007556      | 30.11.2007   | -10.330,47                                                                             |
| 5200032035      | 30.11.2016   | 10.329,89                                                                              |
| 2783523         | 05.06.2000   | 10.299,74                                                                              |
| 2783522         | 31.05.2000   | -10.299,74                                                                             |
| 5200004294      | 31.03.2004   | 10.272,30                                                                              |
| 5200005654      | 30.04.2011   | 10.233,21                                                                              |
| 5200004303      | 31.03.2004   | 10.222,72                                                                              |
| 2743199         | 31.08.1997   | 10.213,00                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.



| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2743200         | 01.09.1997   | -10.213,00                                                                             |
| 5200000317      | 01.05.2001   | 10.196,74                                                                              |
| 5200000144      | 30.04.2001   | -10.196,74                                                                             |
| 5200033419      | 31.12.2015   | -10.074,71                                                                             |
| 2784887         | 30.06.2000   | 10.069,85                                                                              |
| 2784888         | 03.07.2000   | -10.069,85                                                                             |
| 5200011458      | 30.04.2015   | -10.066,19                                                                             |
| 2782314         | 30.04.2000   | 10.065,77                                                                              |
| 2782315         | 02.05.2000   | -10.065,77                                                                             |
| 5200033546      | 31.12.2013   | -10.007,45                                                                             |
| 5000002229      | 31.12.2017   | 10.002,91                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

### III. Other receivables from affiliated companies attributable to the Operating Unit Performance Materials

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 5000002057      | 20.12.2017 | 16.666.666,67                                                                          |
| 5000002058      | 20.12.2017 | 16.666.666,67                                                                          |
| 5000002054      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002055      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002056      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002059      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002069      | 20.12.2017 | 6.666.666,67                                                                           |
| 5000002060      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002061      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002062      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002063      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002064      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002065      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002066      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002067      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002068      | 20.12.2017 | 3.333.333,33                                                                           |
| 5000002070      | 20.12.2017 | 3.333.333,33                                                                           |
| 5200042084      | 31.12.2017 | 170.982,00                                                                             |
| 5200042124      | 31.12.2017 | 151.541,51                                                                             |
| 5200042082      | 31.12.2017 | 71.690,46                                                                              |
| 5200042125      | 31.12.2017 | 70.321,32                                                                              |
| 5000002496      | 31.12.2017 | -29.095,50                                                                             |
| 5200042092      | 31.12.2017 | 16.054,24                                                                              |
| 5200042112      | 31.12.2017 | 15.032,21                                                                              |
| 5200042127      | 31.12.2017 | 14.432,45                                                                              |
| 5000002496      | 31.12.2017 | -12.000,00                                                                             |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**IV. Receivables from related parties attributable to the Operating Unit Performance Materials**

| Document number | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|----------------------------------------------------------------------------------------|
| 5200042080      | 31.12.2017 | 1.188.704,50                                                                           |
| 5200042081      | 31.12.2017 | 260.312,91                                                                             |
| 6000009859      | 12.01.2016 | 76.082,63                                                                              |
| 4500001454      | 30.08.2017 | 64.974,60                                                                              |
| 6000386614      | 20.12.2016 | 59.500,00                                                                              |
| 4500001460      | 29.08.2017 | 40.500,00                                                                              |
| 4500000989      | 15.06.2016 | 39.324,52                                                                              |
| 7800009993      | 31.12.2017 | 32.920,27                                                                              |
| 6000128583      | 19.04.2016 | 25.000,00                                                                              |
| 6000185367      | 07.06.2016 | 25.000,00                                                                              |
| 6000194265      | 14.06.2016 | 25.000,00                                                                              |
| 4500000101      | 14.01.2016 | 24.358,68                                                                              |
| 4500000545      | 30.03.2016 | 21.626,60                                                                              |
| 4500002086      | 08.12.2016 | 18.705,34                                                                              |
| 7800008041      | 30.09.2017 | 17.156,17                                                                              |
| 6000218486      | 17.07.2017 | -16.417,41                                                                             |
| 6000323155      | 14.10.2016 | -14.803,20                                                                             |
| 4500002034      | 06.11.2014 | 14.283,75                                                                              |
| 6000252189      | 16.08.2017 | -13.954,16                                                                             |
| 4500001029      | 22.06.2016 | 12.996,70                                                                              |
| 4500000612      | 09.04.2015 | 10.211,93                                                                              |
| 4500000776      | 07.05.2015 | 10.032,50                                                                              |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

**V. Other receivables from employees attributable to the Operating Unit Performance Materials**

| Document number | Date       | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|------------|--------------------------------------------------------------------------------|
| 5000000701      | 30.06.2015 | 121.771,84                                                                     |
| 5000001831      | 31.12.2015 | -89.107,87                                                                     |
| 5000001127      | 30.09.2015 | 54.849,88                                                                      |
| 5000000701      | 30.06.2015 | 43.175,42                                                                      |
| 4300160758      | 18.07.2016 | 25.974,29                                                                      |
| 4300160757      | 18.07.2016 | 25.974,29                                                                      |
| 4300160756      | 18.07.2016 | 25.974,29                                                                      |
| 4300160754      | 18.07.2016 | 25.963,94                                                                      |
| 5000000533      | 31.03.2017 | -21.933,73                                                                     |
| 5000001443      | 30.09.2017 | 21.548,14                                                                      |
| 5000002247      | 31.12.2017 | 19.009,68                                                                      |
| 5000001086      | 30.09.2016 | 15.977,84                                                                      |
| 5000000344      | 31.03.2015 | -14.104,04                                                                     |

**VI. Investments**

| Company                          | Registered office               | Registration Court  | Commercial register number |
|----------------------------------|---------------------------------|---------------------|----------------------------|
| Azelis Deutschland Kosmetik GmbH | Galmsweg 65, 47455 Moers        | Amtsgericht Hamm    | HRB 8255                   |
| PrintCity GmbH & Co. KG          | Hainbuchenring 4. 82061 Neuried | Amtsgericht München | HRA 93911                  |

<sup>1</sup> Credit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a receivable.

### **Annex 32.3**

Inventories and other current assets Performance Materials

## Article number of the item of current assets according to accounting

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 2771020000 | 2014120000 | 1046349025 | 1582179015 | 1395470000 | 2111680000 | 2815235000 |
| 2768520000 | 2008570000 | 1046709025 | 2013960000 | 1411099020 | 1048429020 | 2803740000 |
| 2009270000 | 1049139020 | 2803320000 | 1580629021 | 1408439020 | 2734385000 | 7484601224 |
| 2811840000 | 2810955000 | 2788970000 | 2347120000 | 2012050000 | 2775170000 | 1042179025 |
| 2810977777 | 2769315000 | 2796740000 | 2021880000 | 2704480000 | 2747910000 | 2812740000 |
| 2816080000 | 2721015000 | 2713467777 | 2342570000 | 1301709020 | 1162014500 | 2811920000 |
| 2768620000 | 1390100000 | 2721030000 | 2377280000 | 2778260000 | 1047509015 | 1411279020 |
| 2721090000 | 2745570000 | 2784924000 | 2343010000 | 2796530000 | 2788977777 | 1581959020 |
| 1101509026 | 2811430000 | 1580629020 | 2774430000 | 2019580000 | 1048989025 | 2808520000 |
| 2811860000 | 2816928888 | 2008825000 | 2713494000 | 1047129020 | 2805320000 | 1118879200 |
| 2810945000 | 2747640000 | 2745400000 | 1406469025 | 2762700000 | 2813855014 | 8008910000 |
| 2812145000 | 2010170000 | 1160954000 | 2015127777 | 2812895000 | 2007280000 | 2015860000 |
| 2812140000 | 2811730000 | 2023210000 | 2787180000 | 2013100000 | 1581709020 | 2797130000 |
| 2007710000 | 2822350000 | 2013230000 | 1213194000 | 1053359010 | 1068239020 | 2806277777 |
| 2713460000 | 2737285014 | 2815160000 | 2019590000 | 2864450000 | 2807880000 | 1136960000 |
| 2795150000 | 2019720000 | 2717560000 | 1392220000 | 1392710000 | 2786270000 | 2780820000 |
| 1393860000 | 2019390000 | 2023520000 | 1023409027 | 2769380000 | 1408379015 | 2815110000 |
| 2804170000 | 2019960000 | 2020520000 | 2007095000 | 2817520000 | 2371160000 | 2789740000 |
| 2737290000 | 2780220000 | 2808470000 | 2803060000 | 1394410000 | 2021350000 | 1393965000 |
| 2745780000 | 2737297777 | 2805410000 | 2756545000 | 2775177777 | 1047500000 | 1323350000 |
| 2814600000 | 2814540000 | 2013860000 | 1581629020 | 2762620000 | 2014127777 | 2359010000 |
| 2007400000 | 2744420000 | 2798265000 | 2716680000 | 2713465000 | 2726414000 | 2762628888 |
| 2767880000 | 2817655000 | 1053829201 | 1581779020 | 2007210000 | 2813890000 | 2744427777 |
| 2713490000 | 2346340000 | 2019597777 | 2342460000 | 1581989020 | 1327229025 | 2732790000 |
| 2761730000 | 2798230000 | 2011720000 | 1213190000 | 2814785000 | 1414129020 | 2767865000 |
| 2814605014 | 2022000000 | 2777810000 | 2019610000 | 2728480000 | 2803110000 | 2766500000 |
| 2734380000 | 2811927777 | 2014610000 | 1391630000 | 2011530000 | 2803117777 | 1580320000 |
| 2719200000 | 2757660000 | 2810860000 | 2713475000 | 2776260000 | 1321619000 | 1169004500 |
| 2767885000 | 2803680000 | 1301639025 | 2817180000 | 2812155000 | 2724408888 | 2813410000 |
| 2719520000 | 2821340000 | 2804130000 | 1065020000 | 1042859025 | 1393900000 | 2019550000 |
| 2019557777 | 2787220000 | 2736350000 | 2805270000 | 1392190000 | 1395810000 | 2757125000 |
| 2007090000 | 2719148888 | 2814607777 | 2776395000 | 2782800000 | 2815810000 | 1412799020 |
| 2580310000 | 2775110000 | 2769630000 | 1047829020 | 1302001001 | 2769270000 | 2803750000 |
| 2007705001 | 2811850000 | 2011570000 | 2805070000 | 2006320000 | 1390000000 | 1405069400 |
| 1394317777 | 2012390000 | 2789000000 | 2711450000 | 1394360500 | 2345400000 | 2758640000 |
| 2780490000 | 2805967777 | 2797414000 | 2713510000 | 1409759020 | 1174699025 | 2015730000 |
| 2816310000 | 2776180000 | 2007250000 | 1394560000 | 2722910000 | 2734345000 | 1393640500 |
| 1580319021 | 1393680000 | 1580289020 | 2370420000 | 2409750000 | 2725410000 | 1301655000 |
| 2805390000 | 2806480000 | 2345670000 | 2745545000 | 1177909025 | 2769620000 | 2803660000 |
| 2817640000 | 1410839020 | 2358000000 | 1302000000 | 2810970000 | 2746895000 | 2782350000 |
| 2014110000 | 1393010000 | 2711550000 | 2784920000 | 2013980000 | 1395960000 | 2008920000 |
| 2014130000 | 1392240000 | 1172609025 | 2342320000 | 2580620000 | 2813400000 | 1048319020 |
| 2803670000 | 2007200000 | 2744435014 | 2712920000 | 2300000000 | 1582049020 | 2815020000 |
| 2007685000 | 1409719025 | 2019727777 | 1045549020 | 2812910000 | 2745555000 | 1174749025 |
| 2810950000 | 2722917777 | 2015660000 | 2013865000 | 4960020000 | 1101509027 | 2020290000 |
| 2804690000 | 1394420000 | 1394310000 | 2756555000 | 2409940000 | 2713560000 | 2010160000 |
| 2007310000 | 2730130000 | 1580909015 | 2753935000 | 2816300000 | 1395648888 | 2405760000 |
| 2746895014 | 1581799020 | 1582249020 | 2712859350 | 2011680000 | 2728485000 | 2021980000 |
| 2812147777 | 2009937777 | 1582019020 | 2827800000 | 1044729020 | 2014737777 | 2801660000 |
| 2780450000 | 2815975014 | 2775174000 | 2804360000 | 2374590000 | 1045409350 | 2377130000 |
| 2019600000 | 2746890000 | 2713485000 | 2813230000 | 1302005001 | 1171909025 | 1053729025 |
| 1394570500 | 2804970000 | 7484601220 | 1024580000 | 2814510000 | 1049579020 | 1172729025 |
| 2744430000 | 1580150000 | 2745540000 | 1170779025 | 7484601222 | 2721093014 | 1045409020 |
| 2812157777 | 2721035000 | 1393780000 | 2805867777 | 2014137777 | 2707750000 | 1408979015 |
| 2775115000 | 2249880000 | 2713454000 | 2720930000 | 2014170000 | 2784744000 | 2804570000 |
| 2774440000 | 2813220000 | 2811030000 | 2804700000 | 2776390000 | 2810980000 | 1581719020 |
| 2804160000 | 2731290000 | 2787190000 | 2370750000 | 2804380000 | 2019337777 | 2008940000 |
| 2774540000 | 1213175000 | 1047839020 | 2713514000 | 2805430000 | 2374370000 | 1042469350 |
| 2804200000 | 2349570000 | 2814780000 | 2769310000 | 2713280000 | 1393880253 | 1394430000 |
| 2015390000 | 1160660000 | 2780430000 | 1581659020 | 2805077777 | 2805930000 | 2710620000 |
| 2008280000 | 1580319020 | 2817645000 | 2344700000 | 2008260000 | 1392740000 | 1395590000 |
| 2706400000 | 2744425000 | 2719527777 | 2358010000 | 2737995000 | 1394425000 | 1177690000 |
| 2709650000 | 2730160000 | 2019700000 | 2782810000 | 1582269020 | 2019930000 | 1177759020 |
| 2019650000 | 1053349020 | 1042599021 | 2721025000 | 2346700000 | 2803790000 | 2013220000 |
| 2406460000 | 2785945000 | 2007240000 | 2813390000 | 2744437777 | 2009297777 | 2737615000 |
| 2769384000 | 1172019020 | 2723150000 | 2805330000 | 2349590000 | 2342870000 | 2344070000 |
| 2007395000 | 2853650000 | 1053739010 | 1394140000 | 2814370000 | 2373250000 | 1393510000 |
| 2813380000 | 2019567777 | 2019510000 | 2012363500 | 2812770000 | 1581969020 | 1410819020 |
| 2813225000 | 2023527777 | 2022630000 | 2747390000 | 2009480000 | 2805290000 | 2790650000 |
| 1581679020 | 1065029053 | 1172009025 | 2707800000 | 2815820000 | 2817980000 | 1135154000 |

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 2021430000 | 1413189400 | 2804367777 | 2011574000 | 1043289020 | 1581909020 | 2815080000 |
| 2774550000 | 1089260000 | 2030010000 | 2011728888 | 1395420250 | 2771790000 | 1042369025 |
| 1393890000 | 1322769025 | 2379470000 | 1127070000 | 1393680250 | 1173219025 | 1173589025 |
| 1581329020 | 2013140000 | 2009855000 | 2007190000 | 2014860000 | 1580269500 | 1160664000 |
| 2816360000 | 1048699025 | 1083249010 | 4809130000 | 2703970000 | 1394370500 | 2815215000 |
| 1391980000 | 2810570000 | 1155780000 | 2733805000 | 2805670000 | 1174599025 | 2330380000 |
| 1405409020 | 2737985000 | 1393590000 | 2342480000 | 2015930000 | 1162010000 | 2784440000 |
| 1581169020 | 2345970000 | 1580299020 | 1392220250 | 2775670000 | 2812167777 | 1322070000 |
| 2734357777 | 2015890000 | 1394160101 | 1045649020 | 2814530000 | 1004260000 | 7484601223 |
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| 2712850000 | 2753925000 | 2372010000 | 1177419025 | 1582129020 | 2812137777 | 1036770000 |
| 2703750000 | 2015620000 | 2767760000 | 2719468888 | 1083320000 | 1170429025 | 1409619015 |
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| 2021440000 | 2803797777 | 1043019021 | 1392220254 | 2019780000 | 2022054321 | 2710620700 |
| 2815245000 | 2005840000 | 2021330000 | 1412119020 | 2021380000 | 1007579100 | 1042879025 |
| 1177519020 | 2769848888 | 1581469020 | 1039479025 | 2014750000 | 1045019020 | 2707735000 |
| 2405350000 | 1177779020 | 2802940000 | 1412359020 | 1581879020 | 1412699020 | 1580140000 |
| 2744680000 | 1393610000 | 1206049015 | 2752780000 | 1582099020 | 1396927777 | 1045909025 |
| 2015400000 | 2750330000 | 1580960000 | 1581649020 | 1068139015 | 1213170000 | 2813820000 |
| 1001490000 | 1394150101 | 1411579020 | 2723170000 | 1411759015 | 2009840000 | 1412449020 |
| 2015940000 | 1582379020 | 2751750000 | 1171149015 | 1392000000 | 2330640000 | 1206039015 |
| 1042469025 | 1172179025 | 2306200000 | 1410589025 | 1058449027 | 2727850000 | 2336080000 |
| 2719140000 | 1392960000 | 2414150000 | 2813430000 | 2021340000 | 1581639020 | 1412439020 |
| 2811060000 | 2739790000 | 1410869020 | 1207343000 | 2012040000 | 2726553000 | 1010159025 |
| 2009927777 | 2019790000 | 1414149025 | 1206099015 | 1700009035 | 1177429015 | 1116491000 |
| 1581939020 | 1174789025 | 2726410000 | 1409909020 | 1393420000 | 2785610000 | 1581749020 |
| 1405349020 | 2302210000 | 2815023000 | 1580900000 | 1160799202 | 1154999041 | 1001559025 |
| 2843650000 | 2007695000 | 1206089015 | 2015540000 | 1302149010 | 7747709054 | 1085001000 |
| 1392370000 | 2762708888 | 1409419025 | 1018035001 | 1049599020 | 2817210000 | 2746680000 |
| 1177899020 | 1320330000 | 1405309025 | 1049599301 | 1024589025 | 2020670000 | 2020220000 |
| 1582169020 | 1394120000 | 1407009351 | 2729505000 | 1177469015 | 2009470000 | 1414599020 |
| 2020160000 | 1172379025 | 2345980000 | 1155911050 | 1395570000 | 2715640000 | 2811242500 |
| 1034639020 | 2734317777 | 1581039015 | 1162445000 | 2020190000 | 1174619020 | 2007680000 |
| 1321522000 | 2022030000 | 2847800000 | 2020970000 | 1405179020 | 1206059015 | 1042869025 |
| 1174769025 | 1405859020 | 2775490000 | 1021259075 | 2800280000 | 1160673500 | 1414452000 |
| 1023439025 | 2874450000 | 1171159015 | 2010090000 | 1172279020 | 2310010000 | 1327229026 |
| 1411009020 | 2811740000 | 1171169015 | 2796560000 | 2013920000 | 1004269025 | 1174059025 |
| 1206229015 | 1580969015 | 2762628882 | 1116261000 | 1058230000 | 2013167777 | 1053779025 |
| 1170219025 | 1048279020 | 1409929015 | 2729507777 | 2369980000 | 2788820000 | 1053779201 |
| 1043019350 | 2409000000 | 2801730000 | 2009847777 | 2014480001 | 1042899025 | 2374750000 |
| 2719700000 | 1322501000 | 2814605000 | 2006290000 | 2786670000 | 1089020000 | 2711570000 |
| 2804370000 | 2725527777 | 2811364000 | 2804610000 | 1393390101 | 2015330000 | 1116809200 |
| 1581829020 | 1581109020 | 1411139025 | 1582039020 | 1327219025 | 2019570000 | 1177219025 |
| 2734375000 | 1410959020 | 1016629035 | 1118879025 | 1408389015 | 2330390000 | 2812904000 |
| 2342090000 | 2007415000 | 1405059020 | 2810880000 | 2810850000 | 1056890000 | 2753930000 |
| 2787270000 | 1405249020 | 1172669025 | 2863650000 | 2006640000 | 2815975000 | 1397090000 |
| 1068249020 | 2013170000 | 1114129201 | 1393880254 | 1581769020 | 1581439020 | 1011290000 |
| 1411369020 | 2734315000 | 1177559020 | 1581589020 | 1411019020 | 2411360000 | 2816460000 |
| 2813038888 | 2707710000 | 1089261000 | 1048969020 | 2782050000 | 1405009020 | 2788840000 |
| 2700750000 | 2816920000 | 2734350000 | 2703935000 | 2713688888 | 2336090000 | 1363020000 |
| 2723160000 | 1053389018 | 1581609020 | 2006420000 | 1581499015 | 1035589020 | 2012180000 |
| 2811780000 | 2013510000 | 1068229025 | 1045979020 | 1172339020 | 2013660000 | 1177549025 |
| 1170459025 | 2342980000 | 2747370000 | 1413449020 | 2306000000 | 1089021000 | 1106140000 |
| 1406489015 | 1042889025 | 1413979020 | 2812718888 | 2724400000 | 1170769025 | 2744688888 |
| 2006710000 | 2712910000 | 2408750000 | 2782180000 | 2348010000 | 1058219050 | 1170619025 |
| 1016011000 | 2723180000 | 1582309020 | 2009930000 | 2813855000 | 1042359025 | 2373770000 |
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| 2715740000 | 2786230000 | 1168281000 | 1410489025 | 2019730000 | 1409289010 | 2803770000 |
| 2813040000 | 1405079020 | 2007424500 | 2019640000 | 2249410000 | 1393880250 | 1177789020 |
| 2716702500 | 2409290000 | 1412369020 | 1101529025 | 1206019015 | 1047929025 | 1172269025 |
| 2372030000 | 1045429020 | 1048299020 | 1580309020 | 2020710000 | 2713000000 | 2817187777 |
| 1405289025 | 2810940000 | 2740994000 | 2815223000 | 2813030000 | 2714300000 | 1393700100 |
| 1405069020 | 1580149015 | 2012370000 | 1301525000 | 2738650000 | 2005840500 | 1135365000 |
| 1406509020 | 2020870000 | 2021360000 | 1581429020 | 1392240254 | 2750338885 | 1411989020 |
| 1172109025 | 2805620000 | 2713010000 | 1045919025 | 2805110000 | 2730010000 | 1056892500 |
| 1395550000 | 2021370000 | 2784740000 | 2811360000 | 1405769020 | 2783310000 | 2859000000 |
| 2804680000 | 2007840000 | 2012750000 | 2814180000 | 2371900000 | 1302179025 | 2726800000 |
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| 2405380000 | 1173209025 | 1582029020 | 2342170000 | 1048329020 | 2738610000 | 1171410000 |
| 1023409025 | 1414239015 | 2014985000 | 1049599024 | 2737665000 | 2333790000 | 1173859025 |
| 2717564000 | 2724000000 | 1581299020 | 1053769026 | 2721093000 | 1395970000 | 2788738888 |

## Inventories and other current assets Performance Materials

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
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| 1040129025 | 1042419025 | 1393230000 | 1412609020 | 1002310000 | 1045129020 | 1410609020 |
| 1405399020 | 2746000000 | 1409629015 | 1393330000 | 2780720000 | 1083321050 | 2348690000 |
| 2022010000 | 2787210000 | 1018031001 | 1170899025 | 1393450100 | 1413879020 | 1172509020 |
| 2813060000 | 1069889025 | 1393500000 | 1099521000 | 2019560000 | 1042099020 | 2700053000 |
| 2805080000 | 2348250000 | 1405359020 | 1029339020 | 1177769020 | 2734310000 | 2892410000 |
| 2708760000 | 2817680000 | 1409949015 | 1413349020 | 2774488888 | 1405049020 | 1414069015 |
| 2725740000 | 1408179025 | 2013350000 | 1308059025 | 2377580000 | 1042489020 | 2711598888 |
| 1034639251 | 1049598888 | 1405319025 | 1392670000 | 1006999040 | 2796620000 | 1073869013 |
| 1002370000 | 1412329020 | 1042579020 | 2811300000 | 4942310000 | 2405360000 | 1390700000 |
| 1581279020 | 2012380000 | 1414689020 | 1393410101 | 1053820000 | 2755840000 | 1412959020 |
| 2787217777 | 2013330000 | 2022440000 | 1065025003 | 1083031000 | 1017110000 | 2814793000 |
| 2816320000 | 2015430000 | 2019410000 | 1301639026 | 1392220256 | 2011370000 | 7327559065 |
| 1042379025 | 1411969020 | 1049769025 | 1177589025 | 1173899025 | 2006560000 | 1042169025 |
| 2009845000 | 1174609020 | 1102610000 | 2812750000 | 4902250000 | 1405269020 | 1010155001 |
| 1162440000 | 2780438882 | 2733150000 | 2348270000 | 1002301000 | 1395530000 | 1173779025 |
| 2373850000 | 2815033000 | 2812920000 | 2740814000 | 1302140000 | 2020990000 | 1580239020 |
| 1393680253 | 1039899025 | 1089051000 | 7777756012 | 1024371000 | 1413019020 | 1028439025 |
| 1081721000 | 1177269025 | 2014770000 | 2803390000 | 1035309025 | 8206390000 | 1083021000 |
| 1582449025 | 2023450000 | 1405279025 | 1177229025 | 1177649020 | 1414749010 | 2011600000 |
| 1582440000 | 1580379020 | 1581819020 | 1101541002 | 2711458886 | 2734548889 | 1301630000 |
| 1172849025 | 1581459020 | 2011330000 | 1001499050 | 1174579025 | 1410629025 | 2020310000 |
| 1581729020 | 2805120000 | 2805280000 | 2324250000 | 1018220000 | 8016610000 | 1018030000 |
| 1580479020 | 2708770000 | 1069609025 | 1581089020 | 1172059020 | 2819190000 | 1322620000 |
| 1048959025 | 1327049025 | 1171129015 | 1412229020 | 2006870000 | 2709645000 | 2804430000 |
| 2812880000 | 7434630046 | 1053359011 | 1008401000 | 1412379020 | 1124501000 | 1017249025 |
| 1301982500 | 1409029020 | 2580610000 | 2707755000 | 2814200000 | 1395750500 | 1301981000 |
| 1045829020 | 1177339025 | 1053729026 | 2780438888 | 2816570000 | 2816710000 | 1083221000 |
| 1395599050 | 1406859025 | 1174759025 | 1045439020 | 1408669020 | 1412309020 | 2716710000 |
| 2101510000 | 1171939025 | 2013260000 | 2810718889 | 2747878888 | 1412219200 | 1047799025 |
| 2405260000 | 2803280000 | 1177749020 | 1069405000 | 2021707777 | 1412539020 | 1207332500 |
| 1046709350 | 2811010000 | 1413159020 | 1392720000 | 1411459020 | 1413129020 | 1177169025 |
| 2746660000 | 2739190000 | 1581569015 | 1153371000 | 1170759025 | 2837800000 | 1042469250 |
| 1173239020 | 2009390000 | 2703925000 | 1412939020 | 2813760000 | 1409199025 | 7737660047 |
| 2814550000 | 1302040000 | 2811787777 | 1581599020 | 2006860000 | 1174649020 | 1173789025 |
| 2023790000 | 2008930000 | 2725745000 | 1008710000 | 2807800000 | 1177329025 | 1580929020 |
| 1412419020 | 1413189020 | 2709634000 | 1172299020 | 1414099020 | 2023887777 | 2798260000 |
| 2811890000 | 2014980000 | 2813158888 | 1069499203 | 2795980350 | 2007890000 | 1410189025 |
| 2348130000 | 2408970000 | 1581009020 | 2019710000 | 2803330000 | 2737310000 | 1411939020 |
| 2342880000 | 2111720000 | 2769632500 | 1580159015 | 4807310000 | 1165915000 | 2783620000 |
| 2014730000 | 1172239025 | 1323461000 | 1068259015 | 1174889025 | 1301339025 | 1165880000 |
| 1414819025 | 2782358882 | 1582109020 | 2343370000 | 1177829025 | 2783020000 | 2013880000 |
| 1044569020 | 1405039020 | 2812165000 | 1323109910 | 2020620000 | 1412809020 | 1414709020 |
| 2009360000 | 1327009025 | 1172289020 | 2805680000 | 2812900000 | 1405909020 | 1169671000 |
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| 1172949025 | 1025130000 | 1173869025 | 2007068888 | 2817625000 | 2786980000 | 1413269020 |
| 2345910000 | 2811234000 | 2342470000 | 1414409015 | 1177289015 | 1046119025 | 1063500000 |
| 1174039025 | 1413199020 | 1153451000 | 2804220000 | 2011340000 | 2787320000 | 1413819020 |
| 2806250000 | 1581489015 | 2711558888 | 1414719020 | 1177879020 | 1010989025 | 1392240100 |
| 1177709020 | 141429020  | 1393630000 | 2814170000 | 2332440000 | 1395510000 | 1392430000 |
| 1394450000 | 2795930500 | 1301339100 | 1177239025 | 1413419020 | 2812718882 | 1069279020 |
| 1582059020 | 2733702500 | 1042329025 | 2753131000 | 2768628889 | 2005947777 | 7690040210 |
| 2734540000 | 1581149020 | 2013910000 | 1413309020 | 2804710000 | 1582409020 | 2458010000 |
| 1058231000 | 2782358889 | 2780360000 | 2008125000 | 2734355000 | 7434418205 | 1213084000 |
| 2757195000 | 1321499010 | 1414259020 | 1394970000 | 1411229020 | 2371170000 | 1173249025 |
| 2798255000 | 1042839020 | 2740824000 | 1177639020 | 2787640000 | 1177619025 | 2739910000 |
| 2342830000 | 7747559355 | 2817250000 | 1024590000 | 1393910000 | 1177729025 | 1390105000 |
| 1321492000 | 1075371000 | 7327553181 | 2812710000 | 1414119020 | 2015740000 | 1581519015 |
| 2789737777 | 1177799020 | 7494615505 | 2377350000 | 1048099020 | 2795790000 | 1301339050 |
| 2814980000 | 2789765000 | 1412739020 | 1177659020 | 1170229025 | 1582159020 | 1409389025 |
| 2707718888 | 1405299025 | 2814638888 | 1301480000 | 1172249025 | 1410569025 | 1322199025 |
| 1411569020 | 2722340000 | 1172419025 | 1024581000 | 2761510000 | 1581399020 | 1206249015 |
| 1206029015 | 2014890000 | 1412199020 | 1409919020 | 1173229025 | 2374740000 | 1302171000 |
| 1068949021 | 1177599025 | 2715600000 | 1089271000 | 1039859025 | 1320340000 | 1174899025 |
| 2014490001 | 1414349025 | 1409179025 | 1390590000 | 1412089020 | 1413679020 | 7434418028 |
| 1177209025 | 1302050000 | 1301569025 | 2720960000 | 1046289025 | 2580020000 | 1173599025 |
| 2014880000 | 2349130000 | 1049639020 | 1411289025 | 1206239015 | 1301769025 | 1083242500 |
| 1029349020 | 1022691000 | 1045539020 | 1392750000 | 1172889025 | 1154075000 | 1580279025 |
| 1042479020 | 1412729020 | 1412559020 | 1029359020 | 2020640000 | 1004261001 | 2744435000 |
| 2711578888 | 2767140000 | 1581219020 | 1392580000 | 1008400000 | 2719918888 | 1581460000 |
| 2783311000 | 1039489025 | 1412599020 | 2810720000 | 2774200000 | 1321940000 | 1323109025 |
| 2760978888 | 2829000000 | 1010959050 | 2810710000 | 2808500000 | 2788720000 | 2800780000 |



## Inventories and other current assets Performance Materials

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 1395580000 | 1024830000 | 1321209050 | 1413589020 | 2801168888 | 1301489026 | 2730100000 |
| 2749320000 | 2769190000 | 1173049020 | 1049629020 | 1035109020 | 1177409025 | 1034759020 |
| 1164131050 | 1171869025 | 1174999015 | 1080441000 | 1135165000 | 2707330000 | 1410649025 |
| 2800288888 | 2797400000 | 1010729025 | 2008300000 | 1413889020 | 1213070000 | 2007690000 |
| 1301489025 | 1048830000 | 2342410000 | 2023647777 | 1323869025 | 2770520000 | 1413829020 |
| 1413069020 | 1087071000 | 1017119025 | 1174709025 | 2805140000 | 4808020000 | 7515090153 |
| 2780100000 | 2805997777 | 2711894000 | 1171879025 | 1412259020 | 1016011003 | 7737660025 |
| 2342850000 | 1157004000 | 1173849025 | 1412509020 | 2374690000 | 1413239020 | 2813857777 |
| 7434630048 | 1002236190 | 1414199020 | 1213094000 | 1414089020 | 1044079020 | 1027240000 |
| 1086141000 | 1156990000 | 1412989020 | 2801098888 | 1412459020 | 1116261003 | 1073729050 |
| 7494610110 | 1152380550 | 2371930000 | 1136967777 | 1049649020 | 1207612500 | 1413479020 |
| 2705640000 | 1411079015 | 1083242501 | 1177869025 | 1177281000 | 1412969020 | 2369080000 |
| 1044709025 | 1007570000 | 2771010000 | 1044719020 | 2813069999 | 7494615000 | 1413029020 |
| 2737980000 | 1581949020 | 1050720000 | 1174049025 | 1037040000 | 1392420254 | 1069499025 |
| 2019380000 | 2800258888 | 1048709020 | 1321449026 | 1395850000 | 1406459025 | 2812150000 |
| 1106149025 | 2767160000 | 1582299020 | 1177679020 | 2019880000 | 1302219010 | 1581849020 |
| 2711458887 | 1392630000 | 2817158888 | 1124501003 | 1118794000 | 7747553181 | 2737970000 |
| 2007220000 | 1015020100 | 1412949020 | 1414419015 | 2013400000 | 1171919025 | 1007820000 |
| 4809140000 | 1078619050 | 1172719025 | 1046349350 | 1171769050 | 1582089020 | 1405159025 |
| 1581529015 | 1033039020 | 1028759025 | 2711270000 | 1032449400 | 1395870000 | 7777758822 |
| 2753141000 | 1301769026 | 2734610000 | 2711578886 | 1035229025 | 2803050000 | 1042349025 |
| 1395990000 | 1073720000 | 1414699020 | 1177411000 | 1118820000 | 2735500000 | 1043229020 |
| 2777390000 | 8003870000 | 2021520000 | 1117061000 | 1000971050 | 1582119020 | 1301650500 |
| 2330400000 | 2711578887 | 1177669020 | 1008711000 | 1068459020 | 1411399020 | 2812718886 |
| 1412889020 | 2019360000 | 1213230000 | 1206199015 | 1321030000 | 1414289025 | 1029289020 |
| 1177319015 | 2372400000 | 1412549020 | 1058491003 | 1412719020 | 1072990000 | 2837990000 |
| 1073869010 | 1172219025 | 2008210000 | 2787278889 | 1007829025 | 1393880000 | 1045849020 |
| 1413339020 | 2014180000 | 1049619020 | 1013779035 | 1412859020 | 1172311000 | 1413919020 |
| 1412399020 | 2716695000 | 7777758805 | 1024599012 | 1413909020 | 1413709020 | 2734618888 |
| 1321209025 | 7747553281 | 2805940000 | 1412919020 | 1089050000 | 2409410000 | 1412749020 |
| 2580260000 | 1206079015 | 2703945000 | 1058340000 | 2007410000 | 2813080000 | 2775117777 |
| 2120160000 | 1321960500 | 1581559015 | 1302159025 | 2805630000 | 1069599025 | 1582339025 |
| 1045989020 | 2802730000 | 1413769020 | 1002311000 | 1066881000 | 1301330000 | 1028789020 |
| 2789150000 | 2724830000 | 2758250000 | 1409009025 | 2763810000 | 2811800000 | 1414429025 |
| 2713370000 | 1213220000 | 2795190000 | 2014150000 | 2815970000 | 1390980000 | 2749350000 |
| 1321449025 | 1050309050 | 1395840000 | 2769290000 | 1413459020 | 7515093200 | 1058461000 |
| 1135355000 | 1152212500 | 1076830100 | 1410659025 | 1069239025 | 1414659020 | 1037080000 |
| 1028959025 | 2713580000 | 1170609025 | 2801090000 | 1413149020 | 1058491000 | 1411769025 |
| 1018351000 | 2734340000 | 1177839025 | 1160799903 | 1069429020 | 1393240000 | 1170519025 |
| 1177349025 | 2740320000 | 1302211000 | 1390690000 | 1581349020 | 2812580000 |            |
| 2753680000 | 1068469020 | 2012410000 | 1410619025 | 1413059020 | 2786805000 |            |
| 1406969020 | 2789040000 | 1153370000 | 1006979040 | 1406379025 | 1066889010 |            |
| 1114129202 | 2344000000 | 1174799025 | 1028409050 | 2740990000 | 2014190000 |            |
| 2816927777 | 1322329025 | 2813850000 | 2007330000 | 2811540000 | 1177579025 |            |
| 2007070000 | 1302012500 | 2006440000 | 1410529020 | 2807270000 | 1058481000 |            |
| 1102031000 | 1409999015 | 2763850000 | 1395540000 | 4942310500 | 1393990100 |            |
| 1414109020 | 1302042501 | 1411849015 | 1048019020 | 2756557777 | 1047879025 |            |
| 1411209020 | 2713688882 | 2733700000 | 1069309020 | 1037910000 | 2022720000 |            |
| 1395560000 | 2019737777 | 1322869025 | 2721020000 | 2800250000 | 4809520000 |            |
| 1308019025 | 1392227777 | 1411069015 | 1174001000 | 1081721003 | 1077161000 |            |
| 1207355000 | 1206109015 | 1409539015 | 1172499020 | 1413009020 | 2703915000 |            |

## **Annex 33.4.a**

### Liabilities Performance Materials

## I. Trade accounts payable to third parties attributable to the Operating Unit Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001744      | 01.02.2016   | 13.223.271,35                                                                          |
| 5200001260      | 31.01.2016   | -13.223.271,35                                                                         |
| 5200000275      | 01.01.2016   | 12.448.649,05                                                                          |
| 5200033561      | 31.12.2015   | -12.448.649,05                                                                         |
| 5200042163      | 31.12.2017   | -12.332.288,50                                                                         |
| 5200000380      | 01.01.2017   | 12.159.774,27                                                                          |
| 5200034287      | 31.12.2016   | -12.159.774,27                                                                         |
| 5200002350      | 01.02.2015   | 11.466.516,28                                                                          |
| 5200001927      | 31.01.2015   | -11.466.516,28                                                                         |
| 5200023093      | 01.09.2015   | 11.376.904,24                                                                          |
| 5200022714      | 31.08.2015   | -11.376.904,24                                                                         |
| 5200020328      | 01.08.2015   | 11.343.401,05                                                                          |
| 5200019961      | 31.07.2015   | -11.343.401,05                                                                         |
| 5200000294      | 01.01.2015   | 11.216.700,80                                                                          |
| 5200030969      | 31.12.2014   | -11.216.700,80                                                                         |
| 5200023382      | 30.09.2014   | -9.934.477,05                                                                          |
| 5200015031      | 30.06.2014   | -9.470.868,62                                                                          |
| 5200005710      | 28.02.2017   | -9.261.211,99                                                                          |
| 5200031718      | 30.11.2015   | -9.256.035,97                                                                          |
| 5200025950      | 30.09.2015   | -8.997.982,18                                                                          |
| 5200017273      | 30.06.2015   | -8.887.284,57                                                                          |
| 5200001160      | 31.01.2014   | -8.525.746,41                                                                          |
| 5200012745      | 30.04.2013   | -8.478.650,84                                                                          |
| 5200020676      | 31.08.2014   | -8.473.104,26                                                                          |
| 5200008166      | 31.03.2016   | -8.219.067,04                                                                          |
| 5200031581      | 30.09.2017   | -8.194.771,15                                                                          |
| 5200008875      | 31.03.2017   | -7.728.080,35                                                                          |
| 5200039867      | 30.11.2017   | -7.713.356,15                                                                          |
| 5200002456      | 31.01.2017   | -7.699.509,05                                                                          |
| 5200021134      | 30.06.2017   | -7.634.925,46                                                                          |
| 5200011633      | 30.04.2015   | -7.445.639,48                                                                          |
| 5200027894      | 31.08.2017   | -7.159.902,49                                                                          |
| 5200019945      | 31.08.2012   | -6.934.478,46                                                                          |
| 5200005064      | 29.02.2016   | -6.884.564,27                                                                          |
| 5200028768      | 31.10.2015   | -6.758.902,44                                                                          |
| 5200035253      | 31.10.2017   | -6.681.294,40                                                                          |
| 5200030841      | 31.12.2012   | -6.605.745,75                                                                          |
| 5200032340      | 30.11.2016   | -6.534.080,04                                                                          |
| 5200017433      | 31.05.2017   | -6.504.649,04                                                                          |
| 5200009397      | 30.04.2014   | -6.357.734,53                                                                          |
| 5200025988      | 31.10.2014   | -6.231.110,89                                                                          |
| 5200028641      | 30.11.2014   | -6.212.726,79                                                                          |
| 5200020181      | 31.07.2016   | -6.091.990,18                                                                          |
| 5200014533      | 31.05.2015   | -5.971.234,73                                                                          |
| 5200033647      | 31.12.2013   | -5.889.199,47                                                                          |
| 5200004222      | 28.02.2015   | -5.733.961,77                                                                          |
| 5200014176      | 31.05.2016   | -5.719.712,13                                                                          |
| 5200017961      | 31.07.2014   | -5.669.491,05                                                                          |
| 5200010485      | 30.04.2016   | -5.584.394,56                                                                          |
| 5200023150      | 31.08.2016   | -5.575.927,13                                                                          |
| 5200023548      | 31.08.2013   | -5.506.560,72                                                                          |
| 5200024157      | 31.07.2017   | -5.307.274,28                                                                          |
| 5200006643      | 31.03.2014   | -5.166.271,01                                                                          |
| 5200015320      | 31.05.2013   | -5.110.558,38                                                                          |
| 5200012055      | 31.05.2014   | -5.035.225,84                                                                          |
| 5200017296      | 31.07.2012   | -5.028.760,07                                                                          |
| 5200020002      | 31.12.2011   | -4.899.411,63                                                                          |
| 5200016444      | 30.06.2016   | -4.898.857,44                                                                          |
| 5200002825      | 31.01.2013   | -4.873.314,47                                                                          |
| 5200018045      | 30.06.2013   | -4.862.187,73                                                                          |
| 5200029371      | 31.10.2016   | -4.810.772,52                                                                          |
| 5200028904      | 31.10.2013   | -4.744.994,24                                                                          |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007201      | 28.02.2013   | -4.583.456,83                                                                          |
| 5200007472      | 31.03.2015   | -4.383.900,32                                                                          |
| 5200020928      | 31.07.2013   | -4.278.364,37                                                                          |
| 5200013414      | 30.04.2017   | -4.251.791,64                                                                          |
| 5200003883      | 28.02.2014   | -4.126.978,83                                                                          |
| 5200028434      | 30.11.2012   | -4.005.768,46                                                                          |
| 5200008780      | 30.04.2012   | -3.786.221,30                                                                          |
| 5200026233      | 30.09.2013   | -3.640.354,07                                                                          |
| 5200026326      | 30.09.2016   | -3.567.083,31                                                                          |
| 5200010045      | 31.03.2013   | -3.463.195,04                                                                          |
| 5200021953      | 30.09.2012   | -2.747.720,13                                                                          |
| 5200014494      | 30.06.2012   | -2.459.299,13                                                                          |
| 5200025616      | 31.10.2012   | -2.360.904,97                                                                          |
| 5200031427      | 30.11.2013   | -2.115.751,09                                                                          |
| 5200006408      | 31.03.2012   | -2.073.068,70                                                                          |
| 5200011834      | 31.05.2012   | -1.801.256,23                                                                          |
| 5200035408      | 31.10.2017   | -1.297.413,03                                                                          |
| 5200042324      | 31.12.2017   | -1.161.817,15                                                                          |
| 5200033709      | 31.12.2015   | -1.157.052,48                                                                          |
| 5200023270      | 31.08.2016   | -1.124.548,62                                                                          |
| 5200002505      | 31.01.2017   | -1.056.763,95                                                                          |
| 5200027953      | 31.08.2017   | -1.035.763,48                                                                          |
| 5200020310      | 31.07.2016   | -1.002.796,49                                                                          |
| 5200002089      | 31.01.2012   | -985.626,18                                                                            |
| 5200026450      | 30.09.2016   | -963.164,17                                                                            |
| 5200012771      | 30.04.2013   | -960.183,69                                                                            |
| 5200001422      | 31.01.2016   | -944.667,86                                                                            |
| 5200003916      | 29.02.2012   | -944.145,58                                                                            |
| 5200040013      | 30.11.2017   | -872.261,62                                                                            |
| 5200029498      | 31.10.2016   | -836.282,19                                                                            |
| 5200013413      | 30.04.2017   | -821.163,69                                                                            |
| 5200015063      | 30.06.2014   | -818.719,66                                                                            |
| 5200008930      | 31.03.2017   | -817.232,49                                                                            |
| 5200028669      | 30.11.2014   | -799.695,84                                                                            |
| 5200009014      | 31.03.2017   | -797.328,38                                                                            |
| 5200024304      | 31.07.2017   | -785.615,50                                                                            |
| 5200017400      | 30.06.2015   | -784.086,80                                                                            |
| 5200031639      | 30.09.2017   | -777.485,83                                                                            |
| 5200020228      | 31.07.2016   | -724.314,83                                                                            |
| 5200026017      | 31.10.2014   | -723.895,95                                                                            |
| 5200020953      | 31.07.2013   | -716.141,43                                                                            |
| 5200030996      | 31.12.2014   | -715.997,86                                                                            |
| 5200028802      | 31.10.2015   | -680.142,76                                                                            |
| 5200033594      | 31.12.2015   | -648.327,59                                                                            |
| 5200031732      | 30.09.2017   | -637.509,09                                                                            |
| 5200028764      | 30.11.2014   | -634.540,99                                                                            |
| 5200010532      | 30.04.2016   | -631.943,69                                                                            |
| 5200020706      | 31.08.2014   | -626.253,21                                                                            |
| 5200017580      | 31.05.2017   | -623.286,19                                                                            |
| 5200008213      | 31.03.2016   | -619.575,23                                                                            |
| 5200020093      | 31.07.2015   | -619.406,26                                                                            |
| 5200031752      | 30.11.2015   | -617.195,47                                                                            |
| 5200017485      | 31.05.2017   | -614.841,77                                                                            |
| 5200018075      | 30.06.2013   | -612.615,08                                                                            |
| 5200026305      | 30.09.2013   | -609.843,82                                                                            |
| 5200018110      | 30.06.2013   | -608.774,62                                                                            |
| 5200023600      | 31.08.2013   | -608.631,65                                                                            |
| 5200020986      | 31.07.2013   | -608.508,35                                                                            |
| 5200028966      | 31.10.2013   | -608.493,71                                                                            |
| 5200012808      | 30.04.2013   | -608.455,38                                                                            |
| 5200015385      | 31.05.2013   | -608.455,38                                                                            |
| 5200031491      | 30.11.2013   | -608.455,38                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 33.4.a**  
Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200032476      | 30.11.2016   | -604.700,76                                                                            |
| 5200025949      | 30.09.2015   | -597.492,41                                                                            |
| 5200009516      | 30.04.2014   | -588.498,06                                                                            |
| 5200012207      | 31.05.2014   | -587.100,04                                                                            |
| 5200021286      | 30.06.2017   | -582.491,50                                                                            |
| 5200009423      | 30.04.2014   | -580.011,02                                                                            |
| 5200017301      | 30.06.2015   | -576.439,75                                                                            |
| 5200042224      | 31.12.2017   | -575.103,54                                                                            |
| 5200022747      | 31.08.2015   | -571.619,78                                                                            |
| 2752186         | 01.04.1998   | -569.836,63                                                                            |
| 5200028916      | 31.10.2015   | -561.176,06                                                                            |
| 5200015346      | 31.05.2013   | -557.902,24                                                                            |
| 5200034334      | 31.12.2016   | -557.135,93                                                                            |
| 5200031851      | 30.11.2015   | -548.753,67                                                                            |
| 2742499         | 01.08.1997   | -545.461,33                                                                            |
| 5200017992      | 31.07.2014   | -545.263,29                                                                            |
| 5200008212      | 31.03.2016   | -535.572,71                                                                            |
| 2749126         | 02.02.1998   | -535.233,93                                                                            |
| 5200016490      | 30.06.2016   | -530.465,56                                                                            |
| 5200017432      | 31.05.2017   | -528.241,24                                                                            |
| 5200027893      | 31.08.2017   | -527.294,02                                                                            |
| 2741241         | 01.07.1997   | -526.370,18                                                                            |
| 5200014676      | 31.05.2015   | -515.956,57                                                                            |
| 5200034427      | 31.12.2016   | -515.419,44                                                                            |
| 5200026260      | 30.09.2013   | -514.879,72                                                                            |
| 2530817         | 02.03.1998   | -509.154,06                                                                            |
| 5200031109      | 31.12.2014   | -506.721,02                                                                            |
| 5200017991      | 31.07.2014   | -505.608,54                                                                            |
| 2532582         | 01.07.1998   | -504.892,64                                                                            |
| 5200028801      | 31.10.2015   | -504.160,28                                                                            |
| 5200020822      | 31.08.2014   | -500.301,50                                                                            |
| 5200020707      | 31.08.2014   | -500.296,91                                                                            |
| 5200001950      | 31.01.2015   | -499.305,76                                                                            |
| 5200001299      | 31.01.2016   | -489.263,87                                                                            |
| 2739096         | 02.05.1997   | -488.415,16                                                                            |
| 5200012085      | 31.05.2014   | -483.607,38                                                                            |
| 2753311         | 04.05.1998   | -481.199,16                                                                            |
| 5200022746      | 31.08.2015   | -481.158,60                                                                            |
| 2743632         | 01.09.1997   | -479.835,51                                                                            |
| 2748424         | 02.01.1998   | -476.596,83                                                                            |
| 5200030930      | 31.12.2012   | -465.997,05                                                                            |
| 5200028670      | 30.11.2014   | -463.650,03                                                                            |
| 5200012084      | 31.05.2014   | -462.655,50                                                                            |
| 5200029417      | 31.10.2016   | -460.937,82                                                                            |
| 2532155         | 02.06.1998   | -459.892,08                                                                            |
| 5200004253      | 28.02.2015   | -456.313,87                                                                            |
| 5200005230      | 29.02.2016   | -453.293,80                                                                            |
| 5200009424      | 30.04.2014   | -447.883,68                                                                            |
| 5200013559      | 30.04.2017   | -442.989,99                                                                            |
| 5200026097      | 30.09.2015   | -442.498,64                                                                            |
| 5200025983      | 30.09.2015   | -439.110,61                                                                            |
| 5200001951      | 31.01.2015   | -438.386,01                                                                            |
| 5200023409      | 30.09.2014   | -436.062,03                                                                            |
| 2538424         | 01.07.1999   | -434.928,35                                                                            |
| 5200031536      | 30.11.2013   | -433.591,45                                                                            |
| 2744844         | 01.10.1997   | -431.255,36                                                                            |
| 2747225         | 01.12.1997   | -428.187,14                                                                            |
| 5200028045      | 31.08.2017   | -426.717,21                                                                            |
| 2739622         | 02.06.1997   | -426.141,66                                                                            |
| 5200015152      | 30.06.2014   | -424.736,68                                                                            |
| 5200023569      | 31.08.2013   | -418.047,46                                                                            |
| 4500002387      | 19.12.2017   | -415.932,33                                                                            |
| 5100127575      | 31.12.2017   | -412.936,09                                                                            |
| 5200011664      | 30.04.2015   | -412.641,19                                                                            |
| 5200031638      | 30.09.2017   | -411.677,36                                                                            |
| 5200021189      | 30.06.2017   | -411.194,84                                                                            |
| 5200014309      | 31.05.2016   | -410.083,95                                                                            |
| 5200003909      | 28.02.2014   | -409.899,66                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2736775         | 03.03.1997   | -406.141,41                                                                            |
| 5200026112      | 31.10.2014   | -404.101,37                                                                            |
| 5200011833      | 31.05.2012   | -399.464,46                                                                            |
| 5200020675      | 31.08.2014   | -396.077,93                                                                            |
| 5200011774      | 30.04.2015   | -394.274,52                                                                            |
| 5200005114      | 29.02.2016   | -391.916,89                                                                            |
| 5200006668      | 31.03.2014   | -388.455,33                                                                            |
| 5200017321      | 31.07.2012   | -388.403,99                                                                            |
| 5200029008      | 31.10.2013   | -387.642,02                                                                            |
| 5200010072      | 31.03.2013   | -387.036,42                                                                            |
| 5200017300      | 30.06.2015   | -382.907,43                                                                            |
| 5200014562      | 31.05.2015   | -382.614,84                                                                            |
| 5200018100      | 31.07.2014   | -380.332,61                                                                            |
| 2537451         | 03.05.1999   | -379.986,63                                                                            |
| 5200001300      | 31.01.2016   | -379.142,33                                                                            |
| 5200026018      | 31.10.2014   | -376.686,80                                                                            |
| 2737430         | 01.04.1997   | -375.686,49                                                                            |
| 5200011663      | 30.04.2015   | -375.678,66                                                                            |
| 4300304451      | 11.12.2017   | -366.520,00                                                                            |
| 2543647         | 02.05.2000   | -365.597,92                                                                            |
| 5200003941      | 29.02.2012   | -360.141,08                                                                            |
| 2746069         | 03.11.1997   | -358.811,28                                                                            |
| 5200016574      | 30.06.2016   | -357.820,77                                                                            |
| 5200024212      | 31.07.2017   | -357.818,88                                                                            |
| 5200010075      | 31.03.2013   | -357.744,05                                                                            |
| 5200005764      | 28.02.2017   | -357.203,96                                                                            |
| 5200005115      | 29.02.2016   | -354.400,96                                                                            |
| 2537048         | 01.04.1999   | -351.517,83                                                                            |
| 5200019991      | 31.07.2015   | -349.170,46                                                                            |
| 5200010633      | 30.04.2016   | -348.586,75                                                                            |
| 5200012776      | 30.04.2013   | -345.847,59                                                                            |
| 5200022856      | 31.08.2015   | -345.560,16                                                                            |
| 5200007500      | 31.03.2015   | -344.471,61                                                                            |
| 5200023192      | 31.08.2016   | -343.347,37                                                                            |
| 5200026373      | 30.09.2016   | -339.226,89                                                                            |
| 5200013469      | 30.04.2017   | -336.561,56                                                                            |
| 5200023193      | 31.08.2016   | -334.183,05                                                                            |
| 5200031717      | 30.11.2015   | -333.705,00                                                                            |
| 5200039866      | 30.11.2017   | -330.183,11                                                                            |
| 5200023410      | 30.09.2014   | -328.190,46                                                                            |
| 5200015349      | 31.05.2013   | -327.393,26                                                                            |
| 5200002848      | 31.01.2013   | -326.694,67                                                                            |
| 5200011662      | 30.04.2015   | -326.682,55                                                                            |
| 5200014563      | 31.05.2015   | -326.643,10                                                                            |
| 5200034333      | 31.12.2016   | -326.464,44                                                                            |
| 2544032         | 05.06.2000   | -326.241,90                                                                            |
| 5200042144      | 31.12.2017   | -325.147,28                                                                            |
| 5200028931      | 31.10.2013   | -324.440,24                                                                            |
| 5200035252      | 31.10.2017   | -321.681,63                                                                            |
| 5200030997      | 31.12.2014   | -317.159,55                                                                            |
| 5200020956      | 31.07.2013   | -314.345,06                                                                            |
| 5200042162      | 31.12.2017   | -312.406,82                                                                            |
| 5200015062      | 30.06.2014   | -309.570,04                                                                            |
| 5200006756      | 31.03.2014   | -305.824,61                                                                            |
| 5200039923      | 30.11.2017   | -304.661,94                                                                            |
| 2756944         | 03.08.1998   | -303.412,86                                                                            |
| 5200033595      | 31.12.2015   | -301.684,86                                                                            |
| 5200001188      | 31.01.2014   | -300.878,60                                                                            |
| 5200011632      | 30.04.2015   | -300.443,79                                                                            |
| 2536471         | 01.03.1999   | -299.400,98                                                                            |
| 2544400         | 03.07.2000   | -298.585,46                                                                            |
| 5200031753      | 30.11.2015   | -296.351,93                                                                            |
| 2533488         | 01.09.1998   | -295.230,94                                                                            |
| 5200032387      | 30.11.2016   | -293.536,44                                                                            |
| 5200001259      | 31.01.2016   | -293.026,45                                                                            |
| 5200008929      | 31.03.2017   | -291.422,31                                                                            |
| 5200007501      | 31.03.2015   | -290.861,86                                                                            |
| 5200011857      | 31.05.2012   | -288.822,00                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 33.4.a**  
Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200010531      | 30.04.2016   | -288.175,14                                                                            |
| 5200012054      | 31.05.2014   | -282.938,31                                                                            |
| 2542794         | 01.03.2000   | -282.340,75                                                                            |
| 5200013468      | 30.04.2017   | -282.232,75                                                                            |
| 5200021980      | 30.09.2012   | -282.073,66                                                                            |
| 5200007606      | 31.03.2015   | -280.217,37                                                                            |
| 5200030867      | 31.12.2012   | -274.897,85                                                                            |
| 2542283         | 01.02.2000   | -273.343,82                                                                            |
| 5200003910      | 28.02.2014   | -267.055,33                                                                            |
| 5200005763      | 28.02.2017   | -265.500,42                                                                            |
| 5200028767      | 31.10.2015   | -263.844,30                                                                            |
| 5200029416      | 31.10.2016   | -262.804,38                                                                            |
| 5200032386      | 30.11.2016   | -258.945,82                                                                            |
| 5200014514      | 30.06.2012   | -258.761,86                                                                            |
| 5200014224      | 31.05.2016   | -258.244,86                                                                            |
| 5200004252      | 28.02.2015   | -257.342,75                                                                            |
| 5200033596      | 31.12.2015   | -256.113,39                                                                            |
| 5200019992      | 31.07.2015   | -250.004,05                                                                            |
| 5200031452      | 30.11.2013   | -249.852,42                                                                            |
| 5200006436      | 31.03.2012   | -249.137,14                                                                            |
| 5200002504      | 31.01.2017   | -247.924,49                                                                            |
| 5200039924      | 30.11.2017   | -245.519,19                                                                            |
| 5200008309      | 31.03.2016   | -244.712,60                                                                            |
| 5200004367      | 28.02.2015   | -244.585,40                                                                            |
| 2541886         | 03.01.2000   | -244.533,87                                                                            |
| 5200034286      | 31.12.2016   | -241.378,35                                                                            |
| 2540926         | 01.12.1999   | -238.946,35                                                                            |
| 2536113         | 01.02.1999   | -234.197,69                                                                            |
| 5200042225      | 31.12.2017   | -231.153,04                                                                            |
| 5200023500      | 30.09.2014   | -231.103,37                                                                            |
| 5200006667      | 31.03.2014   | -228.433,01                                                                            |
| 5200005855      | 28.02.2017   | -226.243,99                                                                            |
| 5200017960      | 31.07.2014   | -222.691,39                                                                            |
| 5200007224      | 28.02.2013   | -218.237,47                                                                            |
| 5200024156      | 31.07.2017   | -217.091,01                                                                            |
| 5200014518      | 30.06.2012   | -216.559,22                                                                            |
| 5200035311      | 31.10.2017   | -216.366,44                                                                            |
| 5200035310      | 31.10.2017   | -215.654,82                                                                            |
| 2534877         | 01.12.1998   | -215.343,59                                                                            |
| 5200002612      | 31.01.2017   | -215.164,71                                                                            |
| 5200027952      | 31.08.2017   | -214.345,59                                                                            |
| 5200026359      | 30.09.2013   | -213.770,46                                                                            |
| 5200023194      | 31.08.2016   | -213.277,45                                                                            |
| 5200014225      | 31.05.2016   | -210.766,59                                                                            |
| 5200011853      | 31.05.2012   | -207.345,51                                                                            |
| 5200016489      | 30.06.2016   | -204.876,16                                                                            |
| 5200011476      | 30.04.2015   | -204.238,09                                                                            |
| 2540323         | 01.11.1999   | -201.462,84                                                                            |
| 5200026262      | 30.09.2013   | -197.412,93                                                                            |
| 5200031453      | 30.11.2013   | -196.045,50                                                                            |
| 5200005116      | 29.02.2016   | -195.886,82                                                                            |
| 5200025984      | 30.09.2015   | -193.216,89                                                                            |
| 2539294         | 01.09.1999   | -192.388,12                                                                            |
| 5200026372      | 30.09.2016   | -189.448,99                                                                            |
| 5200033672      | 31.12.2013   | -188.408,18                                                                            |
| 5200015030      | 30.06.2014   | -187.959,87                                                                            |
| 5200019972      | 31.08.2012   | -187.409,76                                                                            |
| 5200028459      | 30.11.2012   | -186.762,48                                                                            |
| 5200033673      | 31.12.2013   | -186.445,59                                                                            |
| 2533993         | 01.10.1998   | -185.684,13                                                                            |
| 5200001301      | 31.01.2016   | -185.136,76                                                                            |
| 5200011878      | 31.05.2012   | -183.140,29                                                                            |
| 2535796         | 04.01.1999   | -182.388,63                                                                            |
| 5200010076      | 31.03.2013   | -182.317,44                                                                            |
| 5200024211      | 31.07.2017   | -180.699,97                                                                            |
| 2538881         | 02.08.1999   | -180.427,41                                                                            |
| 2539793         | 01.10.1999   | -180.329,62                                                                            |
| 5200023381      | 30.09.2014   | -177.044,98                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026019      | 31.10.2014   | -176.124,97                                                                            |
| 5200002110      | 31.01.2012   | -174.060,00                                                                            |
| 5200002076      | 31.01.2015   | -173.957,74                                                                            |
| 5200031450      | 30.11.2013   | -168.620,23                                                                            |
| 5200014175      | 31.05.2016   | -167.670,71                                                                            |
| 5200033748      | 31.12.2013   | -165.848,82                                                                            |
| 5200026263      | 30.09.2013   | -162.685,97                                                                            |
| 5200025987      | 31.10.2014   | -162.564,00                                                                            |
| 5200031580      | 30.09.2017   | -162.311,57                                                                            |
| 5200028929      | 31.10.2013   | -161.423,88                                                                            |
| 5200010484      | 30.04.2016   | -158.623,86                                                                            |
| 5200015319      | 31.05.2013   | -158.058,45                                                                            |
| 5200031754      | 30.11.2015   | -157.691,56                                                                            |
| 2534407         | 02.11.1998   | -157.161,04                                                                            |
| 5200028803      | 31.10.2015   | -154.998,85                                                                            |
| 5200008827      | 30.04.2012   | -154.291,22                                                                            |
| 5200007306      | 28.02.2013   | -154.057,62                                                                            |
| 5200017401      | 31.07.2012   | -153.058,19                                                                            |
| 5200003990      | 28.02.2014   | -153.041,52                                                                            |
| 5200021188      | 30.06.2017   | -151.932,46                                                                            |
| 5200023571      | 31.08.2013   | -150.946,98                                                                            |
| 5200033560      | 31.12.2015   | -150.831,22                                                                            |
| 4300294616      | 06.12.2017   | -149.562,93                                                                            |
| 5200021133      | 30.06.2017   | -146.950,46                                                                            |
| 5200025731      | 31.10.2012   | -146.948,87                                                                            |
| 5200001187      | 31.01.2014   | -145.915,52                                                                            |
| 5200029418      | 31.10.2016   | -145.121,83                                                                            |
| 5200022053      | 30.09.2012   | -143.313,83                                                                            |
| 5200012775      | 30.04.2013   | -142.909,23                                                                            |
| 5200023643      | 31.08.2013   | -141.438,62                                                                            |
| 5200025646      | 31.10.2012   | -138.693,04                                                                            |
| 5200006513      | 31.03.2012   | -136.542,26                                                                            |
| 5200025615      | 31.10.2012   | -136.116,55                                                                            |
| 5200027954      | 31.08.2017   | -135.832,60                                                                            |
| 5200014515      | 30.06.2012   | -130.473,57                                                                            |
| 5200002319      | 31.01.2017   | -129.286,23                                                                            |
| 5200002423      | 01.02.2017   | -129.286,23                                                                            |
| 5200019871      | 31.07.2015   | -128.686,26                                                                            |
| 5200019919      | 01.08.2015   | -128.686,26                                                                            |
| 5200020059      | 31.12.2011   | -127.007,33                                                                            |
| 5200028536      | 30.11.2012   | -126.667,41                                                                            |
| 5200023751      | 31.07.2017   | -126.237,72                                                                            |
| 5200020043      | 31.08.2012   | -125.365,54                                                                            |
| 4500002464      | 29.12.2017   | -124.183,16                                                                            |
| 5200031631      | 30.11.2015   | -124.050,80                                                                            |
| 5200031694      | 01.12.2015   | -124.050,80                                                                            |
| 5200007227      | 28.02.2013   | -123.828,94                                                                            |
| 5200033445      | 31.12.2015   | -120.176,93                                                                            |
| 5200017484      | 31.05.2017   | -119.787,44                                                                            |
| 5200006642      | 31.03.2014   | -118.413,39                                                                            |
| 5200033646      | 31.12.2013   | -117.841,82                                                                            |
| 5200002853      | 31.01.2013   | -116.275,67                                                                            |
| 5200006432      | 31.03.2012   | -115.935,76                                                                            |
| 5200022471      | 31.08.2015   | -115.900,27                                                                            |
| 5200006407      | 31.03.2012   | -114.981,40                                                                            |
| 5200033708      | 31.12.2015   | -114.375,84                                                                            |
| 5200021030      | 31.07.2013   | -113.951,67                                                                            |
| 5200033545      | 31.12.2015   | -112.243,44                                                                            |
| 5200000266      | 01.01.2016   | -112.243,44                                                                            |
| 5200020787      | 30.06.2017   | -111.952,24                                                                            |
| 5200016491      | 30.06.2016   | -111.844,06                                                                            |
| 5200012848      | 30.04.2017   | -110.953,32                                                                            |
| 5200013291      | 30.04.2017   | -110.180,07                                                                            |
| 5200013389      | 01.05.2017   | -110.180,07                                                                            |
| 5200008755      | 31.03.2017   | -109.710,55                                                                            |
| 5200008849      | 01.04.2017   | -109.710,55                                                                            |
| 5200030866      | 31.12.2012   | -109.034,39                                                                            |
| 5200002851      | 31.01.2013   | -108.550,55                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 33.4.a**  
Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008804      | 30.04.2012   | -108.334,99                                                                            |
| 5200002101      | 31.01.2017   | -107.150,18                                                                            |
| 5200005600      | 28.02.2017   | -106.872,55                                                                            |
| 5200005701      | 01.03.2017   | -106.872,55                                                                            |
| 5200028669      | 31.10.2015   | -106.541,61                                                                            |
| 5200028711      | 01.11.2015   | -106.541,61                                                                            |
| 5200025879      | 30.09.2015   | -104.473,78                                                                            |
| 5200025924      | 01.10.2015   | -104.473,78                                                                            |
| 5200004959      | 29.02.2016   | -103.902,08                                                                            |
| 5200005032      | 01.03.2016   | -103.902,08                                                                            |
| 5200026232      | 30.09.2013   | -103.174,54                                                                            |
| 5200003882      | 28.02.2014   | -102.930,80                                                                            |
| 5200001159      | 31.01.2014   | -100.929,22                                                                            |
| 5200022652      | 31.08.2015   | -100.267,02                                                                            |
| 5200022688      | 01.09.2015   | -100.267,02                                                                            |
| 5200001282      | 31.01.2014   | -100.203,21                                                                            |
| 5200008931      | 31.03.2017   | -97.560,04                                                                             |
| 5200024213      | 31.07.2017   | -96.776,88                                                                             |
| 5200023547      | 31.08.2013   | -96.656,03                                                                             |
| 5200017306      | 31.05.2017   | -96.610,13                                                                             |
| 5200017408      | 01.06.2017   | -96.610,13                                                                             |
| 5200039925      | 30.11.2017   | -96.491,10                                                                             |
| 5200017068      | 31.05.2017   | -96.477,66                                                                             |
| 2731051         | 02.01.1997   | -96.137,56                                                                             |
| 5200005765      | 28.02.2017   | -95.530,17                                                                             |
| 5200008867      | 30.04.2012   | -95.485,34                                                                             |
| 5200007915      | 31.03.2016   | -95.375,85                                                                             |
| 5200001174      | 31.01.2016   | -94.844,04                                                                             |
| 5200001230      | 01.02.2016   | -94.844,04                                                                             |
| 5200008071      | 31.03.2016   | -94.415,65                                                                             |
| 5200008140      | 01.04.2016   | -94.415,65                                                                             |
| 5200042226      | 31.12.2017   | -94.196,93                                                                             |
| 5200008800      | 30.04.2012   | -92.649,22                                                                             |
| 5200006163      | 30.09.2010   | -91.950,96                                                                             |
| 5200028640      | 30.11.2014   | -90.443,95                                                                             |
| 4500001215      | 29.07.2016   | -88.060,00                                                                             |
| 5200035312      | 31.10.2017   | -85.451,93                                                                             |
| 5200002160      | 31.01.2012   | -83.714,54                                                                             |
| 5200030864      | 31.12.2012   | -83.623,63                                                                             |
| 5200014054      | 31.05.2016   | -83.454,90                                                                             |
| 5200014118      | 01.06.2016   | -83.454,90                                                                             |
| 5200010394      | 30.04.2016   | -83.436,40                                                                             |
| 5200010452      | 01.05.2016   | -83.436,40                                                                             |
| 5200030998      | 31.12.2014   | -81.346,28                                                                             |
| 5200039541      | 30.11.2017   | -81.322,21                                                                             |
| 5200008577      | 31.12.2008   | -79.744,88                                                                             |
| 5200032339      | 30.11.2016   | -79.072,40                                                                             |
| 5200003998      | 29.02.2012   | -78.705,26                                                                             |
| 5200021190      | 30.06.2017   | -77.201,25                                                                             |
| 5200016358      | 30.06.2016   | -77.039,10                                                                             |
| 5200016418      | 01.07.2016   | -77.039,10                                                                             |
| 5200010161      | 31.03.2013   | -76.379,53                                                                             |
| 5200020095      | 31.07.2016   | -76.005,42                                                                             |
| 5200020157      | 01.08.2016   | -76.005,42                                                                             |
| 5200030968      | 31.12.2014   | -75.991,11                                                                             |
| 5200002850      | 31.01.2013   | -75.570,79                                                                             |
| 5200031640      | 30.09.2017   | -75.299,33                                                                             |
| 5200002502      | 31.01.2017   | -75.254,99                                                                             |
| 5200014547      | 30.06.2012   | -74.617,31                                                                             |
| 5200010258      | 30.04.2016   | -74.465,06                                                                             |
| 5200007226      | 28.02.2013   | -74.444,52                                                                             |
| 5200010074      | 31.03.2013   | -74.444,52                                                                             |
| 5200023059      | 31.08.2016   | -72.753,61                                                                             |
| 5200023124      | 01.09.2016   | -72.753,61                                                                             |
| 5200032250      | 30.11.2016   | -71.459,67                                                                             |
| 5200032314      | 01.12.2016   | -71.459,67                                                                             |
| 4300297194      | 07.12.2017   | -70.677,13                                                                             |
| 5200002824      | 31.01.2013   | -69.845,52                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200015431      | 31.05.2013   | -69.805,77                                                                             |
| 5200029287      | 31.10.2016   | -69.056,64                                                                             |
| 5200029346      | 01.11.2016   | -69.056,64                                                                             |
| 5200012856      | 30.04.2013   | -68.401,01                                                                             |
| 5200026170      | 30.09.2016   | -68.001,49                                                                             |
| 5200026233      | 01.10.2016   | -68.001,49                                                                             |
| 5200042145      | 31.12.2017   | -66.746,53                                                                             |
| 5200034271      | 31.12.2016   | -66.740,29                                                                             |
| 5200000364      | 01.01.2017   | -66.740,29                                                                             |
| 5200028671      | 30.11.2014   | -66.033,20                                                                             |
| 5200021034      | 30.06.2017   | -65.047,65                                                                             |
| 5200021122      | 01.07.2017   | -65.047,65                                                                             |
| 5200031476      | 30.11.2013   | -63.449,37                                                                             |
| 5200020229      | 31.07.2016   | -63.073,92                                                                             |
| 5200014493      | 30.06.2012   | -61.848,78                                                                             |
| 5200039747      | 30.11.2017   | -61.134,38                                                                             |
| 5200039842      | 01.12.2017   | -61.134,38                                                                             |
| 5200027757      | 31.08.2017   | -60.873,25                                                                             |
| 5200027831      | 01.09.2017   | -60.873,25                                                                             |
| 5200002701      | 31.01.2013   | -60.868,15                                                                             |
| 5200011752      | 30.04.2015   | -59.845,29                                                                             |
| 5200028932      | 31.10.2013   | -59.801,69                                                                             |
| 5200031445      | 30.09.2017   | -59.312,23                                                                             |
| 5200035149      | 31.10.2017   | -59.312,23                                                                             |
| 5200031516      | 01.10.2017   | -59.312,23                                                                             |
| 5200035228      | 01.11.2017   | -59.312,23                                                                             |
| 5200014576      | 30.06.2012   | -58.999,72                                                                             |
| 5200024007      | 31.07.2017   | -58.711,90                                                                             |
| 5200024079      | 01.08.2017   | -58.711,90                                                                             |
| 5200002114      | 31.01.2012   | -58.437,50                                                                             |
| 5200028043      | 31.08.2017   | -58.140,84                                                                             |
| 5200028433      | 30.11.2012   | -57.530,34                                                                             |
| 5200020227      | 31.07.2016   | -56.410,02                                                                             |
| 5200018078      | 30.06.2013   | -54.986,85                                                                             |
| 5200028458      | 30.11.2012   | -54.836,28                                                                             |
| 4500002449      | 28.12.2017   | -54.740,00                                                                             |
| 5200014564      | 31.05.2015   | -54.673,06                                                                             |
| 5200002946      | 31.01.2013   | -54.312,62                                                                             |
| 5200014655      | 31.05.2015   | -54.249,29                                                                             |
| 5200014581      | 30.06.2012   | -51.691,68                                                                             |
| 5200026325      | 30.09.2016   | -51.416,74                                                                             |
| 5200017381      | 31.07.2012   | -50.717,92                                                                             |
| 4300294631      | 06.12.2017   | -50.123,51                                                                             |
| 5200023149      | 31.08.2016   | -50.042,89                                                                             |
| 5200014595      | 30.06.2012   | -49.340,29                                                                             |
| 5200025985      | 30.09.2015   | -49.238,50                                                                             |
| 5200020957      | 31.07.2013   | -49.007,76                                                                             |
| 5200003917      | 28.02.2014   | -48.991,73                                                                             |
| 5200033691      | 31.12.2015   | -48.835,60                                                                             |
| 5200018157      | 30.06.2013   | -48.799,89                                                                             |
| 5200003978      | 28.02.2014   | -48.479,22                                                                             |
| 5200006740      | 31.03.2014   | -48.408,92                                                                             |
| 5200030868      | 31.12.2012   | -48.000,00                                                                             |
| 5200034335      | 31.12.2016   | -47.915,34                                                                             |
| 5200006433      | 31.03.2012   | -47.589,44                                                                             |
| 5200033449      | 31.12.2015   | -47.401,01                                                                             |
| 5200002329      | 31.03.2009   | -47.331,28                                                                             |
| 5200003760      | 31.05.2009   | -46.695,06                                                                             |
| 5200008779      | 30.04.2012   | -46.213,31                                                                             |
| 5200027583      | 31.08.2017   | -45.816,84                                                                             |
| 5200041958      | 31.12.2017   | -45.608,00                                                                             |
| 5200017350      | 31.07.2012   | -45.524,73                                                                             |
| 5200019997      | 31.08.2012   | -45.431,71                                                                             |
| 5200033745      | 31.12.2013   | -45.218,18                                                                             |
| 5200024302      | 31.07.2017   | -44.944,85                                                                             |
| 5200019984      | 31.12.2011   | -44.798,81                                                                             |
| 5200000456      | 01.01.2012   | -44.798,81                                                                             |
| 6000307282      | 07.10.2014   | -44.626,82                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 33.4.a**  
Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006669      | 31.03.2014   | -44.225,69                                                                             |
| 5200007454      | 31.10.2008   | -43.993,82                                                                             |
| 5200031730      | 30.09.2017   | -43.769,16                                                                             |
| 5200013470      | 30.04.2017   | -43.762,98                                                                             |
| 4600001081      | 23.11.2016   | -43.713,09                                                                             |
| 5200002089      | 01.06.2001   | -43.585,54                                                                             |
| 4500001570      | 06.10.2016   | -43.505,00                                                                             |
| 5200042146      | 31.12.2017   | -43.052,92                                                                             |
| 5200017993      | 31.07.2014   | -42.846,61                                                                             |
| 5200028763      | 30.11.2014   | -42.711,56                                                                             |
| 5200040012      | 30.11.2017   | -42.671,11                                                                             |
| 5200014517      | 30.06.2012   | -42.657,45                                                                             |
| 5200034425      | 31.12.2016   | -42.584,45                                                                             |
| 5200003915      | 29.02.2012   | -42.108,39                                                                             |
| 5200006188      | 30.09.2007   | -41.997,62                                                                             |
| 5200001274      | 31.01.2014   | -41.738,99                                                                             |
| 5200028456      | 30.11.2012   | -41.668,97                                                                             |
| 5200011573      | 30.04.2015   | -41.486,75                                                                             |
| 5200011609      | 01.05.2015   | -41.486,75                                                                             |
| 5200011856      | 31.05.2012   | -40.484,99                                                                             |
| 5200005144      | 28.02.2017   | -40.315,95                                                                             |
| 5200020017      | 31.12.2011   | -40.227,53                                                                             |
| 5200002847      | 31.01.2013   | -39.777,57                                                                             |
| 5200026374      | 30.09.2016   | -39.236,60                                                                             |
| 5200005668      | 30.04.2011   | -38.880,29                                                                             |
| 5200017486      | 31.05.2017   | -38.841,14                                                                             |
| 4500002477      | 29.12.2017   | -38.798,76                                                                             |
| 5200019960      | 31.07.2015   | -38.735,03                                                                             |
| 5200003938      | 29.02.2012   | -38.719,09                                                                             |
| 5200033625      | 31.12.2013   | -38.548,61                                                                             |
| 5200000320      | 01.01.2014   | -38.548,61                                                                             |
| 5200017113      | 30.06.2015   | -38.523,14                                                                             |
| 5200042323      | 31.12.2017   | -38.318,37                                                                             |
| 5200007403      | 31.03.2015   | -38.155,14                                                                             |
| 5200007446      | 01.04.2015   | -38.155,14                                                                             |
| 5200039940      | 30.11.2017   | -37.977,74                                                                             |
| 5200003106      | 30.04.2010   | -37.679,62                                                                             |
| 5200003138      | 01.05.2010   | -37.679,62                                                                             |
| 5200030863      | 31.12.2012   | -37.321,43                                                                             |
| 5200026356      | 30.09.2013   | -37.277,59                                                                             |
| 5200001952      | 31.01.2015   | -37.133,59                                                                             |
| 5200020819      | 31.08.2014   | -37.069,53                                                                             |
| 5200032388      | 30.11.2016   | -36.952,95                                                                             |
| 5200031849      | 30.11.2015   | -36.827,95                                                                             |
| 5200004903      | 31.07.2010   | -36.693,48                                                                             |
| 5200002493      | 01.07.2001   | -36.616,45                                                                             |
| 5200017272      | 30.06.2015   | -36.566,37                                                                             |
| 6000033587      | 03.02.2015   | -36.382,98                                                                             |
| 6000307283      | 07.10.2014   | -36.237,91                                                                             |
| 5200005063      | 29.02.2016   | -36.168,03                                                                             |
| 5200028460      | 30.11.2012   | -36.008,70                                                                             |
| 5200001279      | 31.01.2014   | -35.808,27                                                                             |
| 5200001118      | 31.01.2014   | -35.547,70                                                                             |
| 5200001129      | 01.02.2014   | -35.547,70                                                                             |
| 5200021284      | 30.06.2017   | -35.526,66                                                                             |
| 5200002111      | 31.01.2012   | -35.400,78                                                                             |
| 5200014439      | 31.05.2015   | -35.353,06                                                                             |
| 5200017213      | 30.06.2015   | -35.353,06                                                                             |
| 5200014473      | 01.06.2015   | -35.353,06                                                                             |
| 5200017248      | 01.07.2015   | -35.353,06                                                                             |
| 5200009349      | 31.05.2011   | -35.327,96                                                                             |
| 5200009382      | 01.06.2011   | -35.327,96                                                                             |
| 5200015648      | 31.10.2011   | -35.274,42                                                                             |
| 5200018154      | 30.06.2013   | -35.152,32                                                                             |
| 5200029496      | 31.10.2016   | -34.993,71                                                                             |
| 5200014226      | 31.05.2016   | -34.650,62                                                                             |
| 5200008801      | 30.04.2012   | -34.463,02                                                                             |
| 5200025643      | 31.10.2012   | -34.404,00                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200008534      | 31.03.2017   | -34.315,32                                                                             |
| 5200021798      | 30.09.2012   | -33.367,06                                                                             |
| 5200002610      | 31.01.2017   | -33.339,53                                                                             |
| 5200030827      | 31.12.2012   | -33.336,93                                                                             |
| 5200000444      | 01.01.2013   | -33.336,93                                                                             |
| 5200004364      | 28.02.2015   | -33.295,00                                                                             |
| 5200023640      | 31.08.2013   | -32.941,12                                                                             |
| 5200014674      | 31.05.2015   | -32.576,42                                                                             |
| 5200018097      | 31.07.2014   | -32.441,24                                                                             |
| 5200007972      | 31.12.2010   | -32.407,70                                                                             |
| 5200008083      | 31.12.2010   | -32.407,70                                                                             |
| 5200007502      | 31.03.2015   | -31.698,32                                                                             |
| 5200005709      | 28.02.2017   | -31.664,98                                                                             |
| 5200015094      | 30.06.2014   | -31.480,69                                                                             |
| 5200029005      | 31.10.2013   | -31.259,80                                                                             |
| 5200002302      | 31.03.2008   | -31.149,45                                                                             |
| 2742250         | 31.07.1997   | -31.120,09                                                                             |
| 5200028914      | 31.10.2015   | -31.016,01                                                                             |
| 5200026111      | 31.10.2014   | -30.902,55                                                                             |
| 5200031426      | 30.11.2013   | -30.889,15                                                                             |
| 5200002372      | 31.03.2010   | -30.793,07                                                                             |
| 5200002418      | 01.04.2010   | -30.793,07                                                                             |
| 5200014532      | 31.05.2015   | -30.633,69                                                                             |
| 5200017446      | 31.10.2011   | -30.507,51                                                                             |
| 5200017466      | 01.11.2011   | -30.507,51                                                                             |
| 5200028903      | 31.10.2013   | -30.475,76                                                                             |
| 5200006603      | 31.03.2014   | -30.452,39                                                                             |
| 5200006611      | 01.04.2014   | -30.452,39                                                                             |
| 5200019110      | 30.11.2011   | -30.452,02                                                                             |
| 5200019134      | 01.12.2011   | -30.452,02                                                                             |
| 5200021027      | 31.07.2013   | -30.306,52                                                                             |
| 5200019791      | 31.08.2012   | -30.282,28                                                                             |
| 5200033707      | 31.12.2015   | -29.906,65                                                                             |
| 5200031348      | 30.11.2013   | -29.740,04                                                                             |
| 5200031361      | 01.12.2013   | -29.740,04                                                                             |
| 5200002780      | 31.01.2013   | -29.691,74                                                                             |
| 5200007147      | 28.02.2013   | -29.691,74                                                                             |
| 5200002798      | 01.02.2013   | -29.691,74                                                                             |
| 5200007159      | 01.03.2013   | -29.691,74                                                                             |
| 5200033747      | 31.12.2013   | -29.644,66                                                                             |
| 5200017343      | 31.10.2011   | -29.595,29                                                                             |
| 5200007922      | 31.12.2010   | -29.546,70                                                                             |
| 5200000341      | 01.01.2011   | -29.546,70                                                                             |
| 5200023494      | 31.08.2013   | -29.365,36                                                                             |
| 5200026144      | 30.09.2013   | -29.365,36                                                                             |
| 5200023505      | 01.09.2013   | -29.365,36                                                                             |
| 5200026156      | 01.10.2013   | -29.365,36                                                                             |
| 5200011772      | 30.04.2015   | -29.339,96                                                                             |
| 5200001359      | 31.01.2016   | -29.181,20                                                                             |
| 5200005165      | 29.02.2016   | -29.181,20                                                                             |
| 5200008264      | 31.03.2016   | -29.181,20                                                                             |
| 5200010587      | 30.04.2016   | -29.181,20                                                                             |
| 5200014274      | 31.05.2016   | -29.181,20                                                                             |
| 5200016531      | 30.06.2016   | -29.181,20                                                                             |
| 5200020270      | 31.07.2016   | -29.181,20                                                                             |
| 5200011854      | 31.05.2012   | -29.080,21                                                                             |
| 5200001897      | 31.01.2012   | -29.068,63                                                                             |
| 5200004123      | 28.02.2015   | -29.011,39                                                                             |
| 5200004165      | 01.03.2015   | -29.011,39                                                                             |
| 5200017302      | 30.06.2015   | -29.003,83                                                                             |
| 5200028739      | 30.11.2014   | -28.970,74                                                                             |
| 5200026448      | 30.09.2016   | -28.712,17                                                                             |
| 5200028844      | 31.10.2013   | -28.680,51                                                                             |
| 5200028871      | 01.11.2013   | -28.680,51                                                                             |
| 6000041815      | 10.02.2015   | -28.645,11                                                                             |
| 5200009335      | 30.04.2014   | -28.624,22                                                                             |
| 5200009349      | 01.05.2014   | -28.624,22                                                                             |
| 5200007517      | 30.06.2002   | -28.528,84                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 33.4.a**  
Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4300231531      | 21.09.2017   | -28.518,00                                                                             |
| 5200031082      | 31.12.2014   | -28.507,49                                                                             |
| 5200033666      | 31.12.2015   | -28.500,49                                                                             |
| 5200032474      | 30.11.2016   | -28.484,18                                                                             |
| 5200019993      | 31.07.2015   | -28.483,05                                                                             |
| 5200015265      | 31.05.2013   | -28.251,39                                                                             |
| 5200015278      | 01.06.2013   | -28.251,39                                                                             |
| 5200020803      | 31.07.2013   | -28.219,62                                                                             |
| 5200020815      | 01.08.2013   | -28.219,62                                                                             |
| 5200030953      | 31.12.2014   | -28.104,58                                                                             |
| 5200001860      | 31.01.2015   | -28.104,58                                                                             |
| 5200000278      | 01.01.2015   | -28.104,58                                                                             |
| 5200001902      | 01.02.2015   | -28.104,58                                                                             |
| 5200005853      | 28.02.2017   | -27.938,92                                                                             |
| 5200011924      | 31.05.2012   | -27.624,73                                                                             |
| 5200001023      | 31.01.2010   | -27.419,23                                                                             |
| 5200001046      | 01.02.2010   | -27.419,23                                                                             |
| 5200001645      | 28.02.2010   | -27.414,31                                                                             |
| 5200001670      | 01.03.2010   | -27.414,31                                                                             |
| 5200017987      | 30.06.2013   | -27.350,60                                                                             |
| 5200018002      | 01.07.2013   | -27.350,60                                                                             |
| 5200023338      | 30.09.2014   | -27.247,58                                                                             |
| 5200023351      | 01.10.2014   | -27.247,58                                                                             |
| 5200042322      | 31.12.2017   | -27.086,96                                                                             |
| 5200001397      | 31.01.2016   | -27.014,56                                                                             |
| 5200001926      | 31.01.2015   | -26.967,62                                                                             |
| 5200023268      | 31.08.2016   | -26.961,53                                                                             |
| 5200020706      | 31.07.2013   | -26.787,89                                                                             |
| 5200031433      | 01.12.2015   | -26.773,98                                                                             |
| 5200028389      | 30.11.2012   | -26.670,15                                                                             |
| 5200028404      | 01.12.2012   | -26.670,15                                                                             |
| 5200015350      | 31.05.2013   | -26.413,51                                                                             |
| 5200015428      | 31.05.2013   | -26.149,62                                                                             |
| 5200025913      | 31.10.2014   | -26.124,13                                                                             |
| 5200025929      | 01.11.2014   | -26.124,13                                                                             |
| 4500002462      | 28.12.2017   | -25.853,62                                                                             |
| 5200035406      | 31.10.2017   | -25.706,28                                                                             |
| 5200005138      | 29.02.2016   | -25.692,49                                                                             |
| 5200042222      | 31.12.2017   | -25.686,70                                                                             |
| 5200020593      | 31.08.2014   | -25.660,12                                                                             |
| 5200020607      | 01.09.2014   | -25.660,12                                                                             |
| 5200011990      | 31.05.2014   | -25.566,77                                                                             |
| 5200014977      | 30.06.2014   | -25.566,77                                                                             |
| 5200012003      | 01.06.2014   | -25.566,77                                                                             |
| 5200014992      | 01.07.2014   | -25.566,77                                                                             |
| 5200009970      | 31.03.2013   | -25.546,62                                                                             |
| 5200009984      | 01.04.2013   | -25.546,62                                                                             |
| 5200008165      | 31.03.2016   | -25.361,71                                                                             |
| 5200003794      | 28.02.2014   | -25.323,10                                                                             |
| 5200003803      | 01.03.2014   | -25.323,10                                                                             |
| 5200012674      | 30.04.2013   | -25.211,38                                                                             |
| 5200012683      | 01.05.2013   | -25.211,38                                                                             |
| 5200020091      | 31.07.2015   | -25.161,76                                                                             |
| 5200010160      | 31.03.2013   | -25.138,91                                                                             |
| 5200022854      | 31.08.2015   | -25.087,77                                                                             |
| 5200031819      | 30.11.2015   | -25.042,02                                                                             |
| 5200018076      | 31.07.2014   | -24.806,19                                                                             |
| 5200006841      | 31.10.2010   | -24.758,07                                                                             |
| 5200026013      | 30.09.2013   | -24.733,19                                                                             |
| 5200003987      | 28.02.2014   | -24.648,15                                                                             |
| 5200007572      | 30.11.2010   | -24.635,85                                                                             |
| 5200007601      | 01.12.2010   | -24.635,85                                                                             |
| 5200028575      | 30.11.2014   | -24.484,34                                                                             |
| 5200028619      | 01.12.2014   | -24.484,34                                                                             |
| 5200008307      | 31.03.2016   | -24.447,81                                                                             |
| 5200016207      | 30.06.2016   | -24.440,99                                                                             |
| 5200027997      | 31.08.2017   | -24.429,91                                                                             |
| 4300299078      | 13.12.2017   | -24.420,28                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023590      | 31.08.2013   | -24.293,45                                                                             |
| 5200000858      | 31.01.2009   | -24.206,93                                                                             |
| 5200040011      | 30.11.2017   | -24.165,57                                                                             |
| 5200000853      | 31.01.2011   | -24.142,91                                                                             |
| 5200000883      | 01.02.2011   | -24.142,91                                                                             |
| 5200017895      | 31.07.2014   | -24.057,85                                                                             |
| 5200017906      | 01.08.2014   | -24.057,85                                                                             |
| 4500002136      | 30.11.2017   | -23.956,41                                                                             |
| 5200026095      | 30.09.2015   | -23.776,25                                                                             |
| 2825675         | 01.03.1993   | -23.687,86                                                                             |
| 5200001749      | 31.01.2015   | -23.654,39                                                                             |
| 5200025571      | 31.10.2012   | -23.530,43                                                                             |
| 5200025582      | 01.11.2012   | -23.530,43                                                                             |
| 5200001786      | 01.02.2002   | -23.515,47                                                                             |
| 5200006924      | 31.10.2007   | -23.492,44                                                                             |
| 5200021977      | 30.09.2012   | -23.437,00                                                                             |
| 4300042485      | 07.02.2017   | -23.399,48                                                                             |
| 5200003749      | 28.02.2014   | -23.391,27                                                                             |
| 5200031533      | 30.11.2013   | -23.334,35                                                                             |
| 6000367780      | 25.11.2015   | -23.167,75                                                                             |
| 5200004254      | 28.02.2015   | -22.951,46                                                                             |
| 5200008417      | 31.12.2009   | -22.869,12                                                                             |
| 5200021952      | 30.09.2012   | -22.850,06                                                                             |
| 5200033566      | 31.12.2013   | -22.827,74                                                                             |
| 5200002605      | 31.01.2017   | -22.725,56                                                                             |
| 5200020708      | 31.08.2014   | -22.723,85                                                                             |
| 5200030763      | 31.12.2012   | -22.521,33                                                                             |
| 5200002506      | 31.01.2017   | -22.513,96                                                                             |
| 5200007604      | 31.03.2015   | -22.492,26                                                                             |
| 5200002073      | 31.01.2015   | -22.491,80                                                                             |
| 4500002416      | 21.12.2017   | -22.491,00                                                                             |
| 5200010158      | 31.03.2013   | -22.172,36                                                                             |
| 5200012633      | 30.04.2013   | -22.156,91                                                                             |
| 5200031456      | 01.12.2015   | -22.123,81                                                                             |
| 5200014519      | 30.06.2012   | -22.036,41                                                                             |
| 4500001520      | 28.09.2016   | -22.015,00                                                                             |
| 5200015737      | 30.09.2011   | -21.839,84                                                                             |
| 5200015760      | 01.10.2011   | -21.839,84                                                                             |
| 4600001108      | 01.09.2009   | -21.786,83                                                                             |
| 5200039989      | 30.11.2017   | -21.741,20                                                                             |
| 5200014307      | 31.05.2016   | -21.470,74                                                                             |
| 5200007304      | 28.02.2013   | -21.398,05                                                                             |
| 5200002778      | 30.04.2006   | -21.371,99                                                                             |
| 5200008214      | 31.03.2016   | -21.336,88                                                                             |
| 5200007864      | 31.12.2010   | -21.261,68                                                                             |
| 5200015149      | 30.06.2014   | -21.246,63                                                                             |
| 5200034426      | 31.12.2016   | -21.199,72                                                                             |
| 5200019968      | 31.08.2012   | -21.166,32                                                                             |
| 5200017320      | 31.07.2012   | -21.161,89                                                                             |
| 5200012523      | 31.07.2011   | -21.149,59                                                                             |
| 5200012563      | 01.08.2011   | -21.149,59                                                                             |
| 5200002455      | 31.01.2017   | -20.977,35                                                                             |
| 5200012206      | 31.05.2014   | -20.897,34                                                                             |
| 5200014621      | 31.12.2002   | -20.860,87                                                                             |
| 5200000402      | 01.05.2001   | -20.853,96                                                                             |
| 5200007246      | 31.03.2015   | -20.807,85                                                                             |
| 5200028915      | 31.10.2015   | -20.722,54                                                                             |
| 5200034079      | 31.12.2016   | -20.642,90                                                                             |
| 5200003714      | 29.02.2012   | -20.612,24                                                                             |
| 5200000784      | 31.01.2011   | -20.586,18                                                                             |
| 5200007200      | 28.02.2013   | -20.532,07                                                                             |
| 5200028552      | 31.10.2015   | -20.531,93                                                                             |
| 5200004128      | 01.08.2001   | -20.497,16                                                                             |
| 5200008991      | 31.03.2017   | -20.490,98                                                                             |
| 5200042233      | 31.12.2017   | -20.363,13                                                                             |
| 5200001038      | 31.01.2016   | -20.288,94                                                                             |
| 5200031834      | 30.11.2015   | -20.193,67                                                                             |
| 5200036721      | 01.12.2001   | -20.155,62                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.



**Annex 33.4.a**  
Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200027593      | 31.08.2017   | -20.139,00                                                                             |
| 5200035360      | 31.10.2017   | -19.890,51                                                                             |
| 5200031708      | 30.09.2017   | -19.799,07                                                                             |
| 5200010631      | 30.04.2016   | -19.788,65                                                                             |
| 6000057346      | 24.02.2015   | -19.773,52                                                                             |
| 5200017070      | 31.05.2017   | -19.726,52                                                                             |
| 5200021979      | 30.09.2012   | -19.571,36                                                                             |
| 5200042299      | 31.12.2017   | -19.532,53                                                                             |
| 5200005843      | 30.04.2011   | -19.531,26                                                                             |
| 5200005889      | 01.05.2011   | -19.531,26                                                                             |
| 5200029370      | 31.10.2016   | -19.494,55                                                                             |
| 5200006859      | 31.05.2002   | -19.486,73                                                                             |
| 5200028747      | 31.10.2013   | -19.480,01                                                                             |
| 5200039922      | 30.11.2017   | -19.427,57                                                                             |
| 4300312616      | 23.12.2017   | -19.390,65                                                                             |
| 5200006512      | 31.03.2012   | -19.153,43                                                                             |
| 5200035407      | 31.10.2017   | -19.149,51                                                                             |
| 5200017398      | 30.06.2015   | -19.142,67                                                                             |
| 5200001420      | 31.01.2016   | -19.134,93                                                                             |
| 5200001965      | 31.03.2006   | -19.085,56                                                                             |
| 5200012853      | 30.04.2013   | -18.946,08                                                                             |
| 5200010847      | 30.06.2011   | -18.898,45                                                                             |
| 5200010885      | 01.07.2011   | -18.898,45                                                                             |
| 5200035383      | 31.10.2017   | -18.810,74                                                                             |
| 4300124692      | 24.05.2017   | -18.788,58                                                                             |
| 5200007605      | 31.03.2015   | -18.787,81                                                                             |
| 4300195411      | 16.08.2017   | -18.691,99                                                                             |
| 5200009513      | 30.04.2014   | -18.654,85                                                                             |
| 5200008068      | 30.11.2009   | -18.643,45                                                                             |
| 4600000770      | 18.08.2014   | -18.562,69                                                                             |
| 5200028761      | 30.11.2014   | -18.560,61                                                                             |
| 5200026288      | 30.09.2013   | -18.557,12                                                                             |
| 5200012744      | 30.04.2013   | -18.421,87                                                                             |
| 4300290323      | 04.12.2017   | -18.400,00                                                                             |
| 5200005854      | 28.02.2017   | -18.341,69                                                                             |
| 5200022052      | 30.09.2012   | -18.227,57                                                                             |
| 2701465         | 31.12.2000   | -18.226,34                                                                             |
| 5200026089      | 31.10.2014   | -18.159,58                                                                             |
| 5200031106      | 31.12.2014   | -18.045,74                                                                             |
| 5200009012      | 31.03.2017   | -17.956,68                                                                             |
| 4600000802      | 27.08.2014   | -17.930,85                                                                             |
| 5200031092      | 31.12.2014   | -17.807,14                                                                             |
| 4300227375      | 09.10.2017   | -17.781,20                                                                             |
| 5200028314      | 30.11.2012   | -17.717,03                                                                             |
| 6000065806      | 27.02.2009   | -17.699,30                                                                             |
| 5200009515      | 30.04.2014   | -17.689,08                                                                             |
| 5200033691      | 31.12.2013   | -17.681,93                                                                             |
| 5200002090      | 01.06.2001   | -17.615,90                                                                             |
| 5200041959      | 31.12.2017   | -17.585,07                                                                             |
| 5200001586      | 29.02.2008   | -17.560,56                                                                             |
| 5200012204      | 31.05.2014   | -17.495,60                                                                             |
| 5200006007      | 31.08.2008   | -17.454,20                                                                             |
| 5200002464      | 28.02.2011   | -17.434,74                                                                             |
| 5200002496      | 01.03.2011   | -17.434,74                                                                             |
| 5200013557      | 30.04.2017   | -17.280,70                                                                             |
| 5200011869      | 31.05.2012   | -17.262,86                                                                             |
| 5200006621      | 30.09.2009   | -17.117,94                                                                             |
| 5200022009      | 30.09.2012   | -17.100,00                                                                             |
| 5200025679      | 31.10.2012   | -17.100,00                                                                             |
| 5200014069      | 31.08.2011   | -17.022,43                                                                             |
| 5200014101      | 01.09.2011   | -17.022,43                                                                             |
| 5200005833      | 28.02.2017   | -17.018,59                                                                             |
| 5200010632      | 30.04.2016   | -16.952,37                                                                             |
| 5200042272      | 31.12.2017   | -16.852,31                                                                             |
| 5200006461      | 31.03.2012   | -16.763,91                                                                             |
| 5200027588      | 31.08.2017   | -16.723,16                                                                             |
| 5200002580      | 31.01.2017   | -16.695,13                                                                             |
| 5200018079      | 30.06.2013   | -16.641,40                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003079      | 01.03.2002   | -16.525,88                                                                             |
| 5200000860      | 31.01.2010   | -16.490,80                                                                             |
| 5200023497      | 30.09.2014   | -16.462,54                                                                             |
| 5200006753      | 31.03.2014   | -16.458,79                                                                             |
| 5200032475      | 30.11.2016   | -16.422,17                                                                             |
| 5200001462      | 28.02.2007   | -16.419,29                                                                             |
| 5200005234      | 31.08.2001   | -16.395,15                                                                             |
| 5200005497      | 31.08.2007   | -16.394,74                                                                             |
| 6000049410      | 17.02.2015   | -16.365,83                                                                             |
| 5200020038      | 31.12.2011   | -16.362,34                                                                             |
| 5200029457      | 31.10.2016   | -16.309,92                                                                             |
| 5200008866      | 30.04.2012   | -16.263,46                                                                             |
| 5200017375      | 31.07.2012   | -16.256,51                                                                             |
| 5200020308      | 31.07.2016   | -16.099,90                                                                             |
| 5200020092      | 31.07.2015   | -16.062,91                                                                             |
| 5200002945      | 31.01.2013   | -16.042,76                                                                             |
| 5200005627      | 30.04.2002   | -15.968,90                                                                             |
| 5200005228      | 29.02.2016   | -15.894,95                                                                             |
| 5200023499      | 30.09.2014   | -15.864,05                                                                             |
| 5200004344      | 28.02.2015   | -15.830,40                                                                             |
| 5200002913      | 31.01.2013   | -15.763,62                                                                             |
| 5200013998      | 31.08.2011   | -15.750,26                                                                             |
| 5200035309      | 31.10.2017   | -15.633,53                                                                             |
| 5200004366      | 28.02.2015   | -15.631,46                                                                             |
| 5200017578      | 31.05.2017   | -15.584,24                                                                             |
| 5200018099      | 31.07.2014   | -15.580,46                                                                             |
| 5200023642      | 31.08.2013   | -15.579,46                                                                             |
| 5200014309      | 30.06.2012   | -15.560,32                                                                             |
| 5200020042      | 31.08.2012   | -15.453,10                                                                             |
| 5000002440      | 31.12.2010   | -15.307,68                                                                             |
| 5200031297      | 30.11.2013   | -15.261,94                                                                             |
| 5200016572      | 30.06.2016   | -15.129,38                                                                             |
| 5200011773      | 30.04.2015   | -15.120,39                                                                             |
| 5200005039      | 31.07.2010   | -15.049,06                                                                             |
| 5200005615      | 31.08.2010   | -15.049,06                                                                             |
| 5200005081      | 01.08.2010   | -15.049,06                                                                             |
| 5200005640      | 01.09.2010   | -15.049,06                                                                             |
| 5200003687      | 31.05.2010   | -14.834,64                                                                             |
| 5200003716      | 01.06.2010   | -14.834,64                                                                             |
| 4300293244      | 06.12.2017   | -14.824,32                                                                             |
| 4300297393      | 01.12.2017   | -14.824,32                                                                             |
| 5200021029      | 31.07.2013   | -14.799,94                                                                             |
| 2704994         | 01.04.2001   | -14.706,36                                                                             |
| 5200032411      | 30.11.2016   | -14.689,14                                                                             |
| 5200022855      | 31.08.2015   | -14.673,17                                                                             |
| 2786882         | 01.07.1993   | -14.626,24                                                                             |
| 2775911         | 01.11.1999   | -14.613,27                                                                             |
| 5200031810      | 30.11.2015   | -14.585,53                                                                             |
| 5200022745      | 31.08.2015   | -14.529,52                                                                             |
| 5200031083      | 31.12.2014   | -14.366,90                                                                             |
| 6000362126      | 24.11.2016   | -14.330,34                                                                             |
| 5200004373      | 30.06.2010   | -14.202,71                                                                             |
| 5200004401      | 01.07.2010   | -14.202,71                                                                             |
| 5200029032      | 31.10.2016   | -14.128,31                                                                             |
| 5200025828      | 30.09.2016   | -14.122,01                                                                             |
| 5200001213      | 31.01.2014   | -14.090,86                                                                             |
| 5200003996      | 29.02.2016   | -14.016,01                                                                             |
| 5200008579      | 31.12.2008   | -14.006,32                                                                             |
| 5200014675      | 31.05.2015   | -13.952,94                                                                             |
| 5200004038      | 31.03.2011   | -13.940,33                                                                             |
| 5200004079      | 01.04.2011   | -13.940,33                                                                             |
| 5200006755      | 31.03.2014   | -13.839,57                                                                             |
| 5200009396      | 30.04.2014   | -13.780,85                                                                             |
| 6000065262      | 03.03.2015   | -13.749,71                                                                             |
| 5200023753      | 31.07.2017   | -13.748,44                                                                             |
| 2787137         | 02.08.1993   | -13.685,63                                                                             |
| 5200020309      | 31.07.2016   | -13.667,25                                                                             |
| 5200014308      | 31.05.2016   | -13.642,55                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**Annex 33.4.a**  
Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 4500002467      | 29.12.2017   | -13.627,88                                                                             |
| 5200011859      | 31.05.2012   | -13.613,27                                                                             |
| 5200011906      | 31.05.2012   | -13.602,65                                                                             |
| 5200031535      | 30.11.2013   | -13.582,63                                                                             |
| 5200006919      | 31.10.2010   | -13.403,90                                                                             |
| 5200006949      | 01.11.2010   | -13.403,90                                                                             |
| 5200014826      | 30.06.2014   | -13.390,34                                                                             |
| 5200002943      | 31.01.2013   | -13.341,68                                                                             |
| 5200028022      | 31.08.2017   | -13.340,59                                                                             |
| 5200010151      | 01.11.2001   | -13.253,36                                                                             |
| 5200027951      | 31.08.2017   | -13.212,50                                                                             |
| 5200003928      | 31.03.2011   | -13.210,37                                                                             |
| 5200012773      | 30.04.2013   | -13.180,67                                                                             |
| 5200003974      | 31.07.2001   | -13.178,82                                                                             |
| 5200008862      | 30.04.2012   | -13.129,44                                                                             |
| 5200026109      | 31.10.2014   | -13.086,60                                                                             |
| 5200028044      | 31.08.2017   | -13.035,18                                                                             |
| 2740996         | 30.06.1997   | -12.988,52                                                                             |
| 5200029497      | 31.10.2016   | -12.980,19                                                                             |
| 5200025730      | 31.10.2012   | -12.953,66                                                                             |
| 5200030892      | 31.12.2012   | -12.943,31                                                                             |
| 5200003997      | 29.02.2012   | -12.931,55                                                                             |
| 6000054195      | 19.02.2015   | -12.858,81                                                                             |
| 6000073124      | 10.03.2015   | -12.837,12                                                                             |
| 5200020062      | 31.07.2015   | -12.814,89                                                                             |
| 5200002545      | 31.01.2017   | -12.803,89                                                                             |
| 5200017399      | 30.06.2015   | -12.772,37                                                                             |
| 5200019986      | 31.12.2011   | -12.758,81                                                                             |
| 4300291968      | 05.12.2017   | -12.733,00                                                                             |
| 5200031108      | 31.12.2014   | -12.624,31                                                                             |
| 6000003599      | 08.01.2010   | -12.602,79                                                                             |
| 5200006252      | 30.09.2010   | -12.519,71                                                                             |
| 5200006282      | 01.10.2010   | -12.519,71                                                                             |
| 5200018044      | 30.06.2013   | -12.495,36                                                                             |
| 5200028955      | 31.10.2013   | -12.490,27                                                                             |
| 5200012280      | 30.11.2004   | -12.470,19                                                                             |
| 5200019995      | 31.08.2012   | -12.395,99                                                                             |
| 5200005839      | 30.09.2001   | -12.313,62                                                                             |
| 5200016443      | 30.06.2016   | -12.274,93                                                                             |
| 5200021260      | 30.06.2017   | -12.258,58                                                                             |
| 5200015224      | 31.05.2013   | -12.237,40                                                                             |
| 5200009421      | 30.04.2014   | -12.179,99                                                                             |
| 5200020794      | 31.08.2014   | -12.175,36                                                                             |
| 5200004474      | 30.06.2008   | -12.152,63                                                                             |
| 5200009803      | 31.10.2001   | -12.138,33                                                                             |
| 5200007940      | 31.12.2007   | -12.100,45                                                                             |
| 5200008928      | 31.03.2017   | -12.089,52                                                                             |
| 5200010044      | 31.03.2013   | -12.077,48                                                                             |
| 4000400975      | 19.12.2011   | -12.051,59                                                                             |
| 5200002852      | 31.01.2013   | -12.000,00                                                                             |
| 4300233957      | 04.10.2017   | -11.985,72                                                                             |
| 5200004163      | 30.06.2009   | -11.931,68                                                                             |
| 5200033664      | 31.12.2015   | -11.837,50                                                                             |
| 5200021951      | 30.09.2012   | -11.823,74                                                                             |
| 6000192541      | 16.06.2010   | -11.809,59                                                                             |
| 5200001328      | 31.01.2016   | -11.786,18                                                                             |
| 5200006709      | 30.09.2008   | -11.781,73                                                                             |
| 5200006225      | 31.03.2012   | -11.756,79                                                                             |
| 4300315908      | 29.12.2017   | -11.751,07                                                                             |
| 6000315015      | 14.10.2014   | -11.728,42                                                                             |
| 5200031097      | 31.12.2014   | -11.600,00                                                                             |
| 5200015430      | 31.05.2013   | -11.556,88                                                                             |
| 5200004090      | 31.05.2005   | -11.554,12                                                                             |
| 5200025647      | 31.10.2012   | -11.541,84                                                                             |
| 6000387831      | 20.12.2016   | -11.455,44                                                                             |
| 5200017387      | 30.06.2015   | -11.361,79                                                                             |
| 5200007323      | 30.11.2006   | -11.346,17                                                                             |
| 5200024282      | 31.07.2017   | -11.308,87                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2789068         | 01.03.1994   | -11.308,35                                                                             |
| 2743327         | 31.08.1997   | -11.253,93                                                                             |
| 5200018156      | 30.06.2013   | -11.246,47                                                                             |
| 4300086522      | 10.04.2017   | -11.175,81                                                                             |
| 5200008874      | 31.03.2017   | -11.167,28                                                                             |
| 5200016563      | 30.06.2016   | -11.162,61                                                                             |
| 5200017558      | 31.05.2017   | -11.158,53                                                                             |
| 5200034355      | 31.12.2016   | -11.133,58                                                                             |
| 5200023477      | 30.09.2014   | -11.053,07                                                                             |
| 2700448         | 30.11.2000   | -11.039,65                                                                             |
| 5200034081      | 31.12.2016   | -11.017,25                                                                             |
| 2755673         | 01.05.1991   | -11.012,98                                                                             |
| 5200025763      | 30.09.2015   | -11.011,48                                                                             |
| 5200012396      | 31.07.2011   | -10.993,44                                                                             |
| 4300297166      | 11.12.2017   | -10.948,00                                                                             |
| 2767189         | 03.02.1992   | -10.946,26                                                                             |
| 5200010783      | 30.06.2011   | -10.885,41                                                                             |
| 6000330378      | 23.09.2008   | -10.883,76                                                                             |
| 5200001834      | 28.02.2005   | -10.864,09                                                                             |
| 5200025649      | 31.10.2012   | -10.823,78                                                                             |
| 6000285128      | 16.09.2014   | -10.784,36                                                                             |
| 5200002515      | 31.01.2017   | -10.732,44                                                                             |
| 5200000845      | 31.01.2008   | -10.718,47                                                                             |
| 5200022821      | 31.08.2015   | -10.669,78                                                                             |
| 5200022796      | 31.08.2015   | -10.668,55                                                                             |
| 5200014523      | 30.06.2012   | -10.664,94                                                                             |
| 5200033670      | 31.12.2013   | -10.630,62                                                                             |
| 5200005229      | 29.02.2016   | -10.628,45                                                                             |
| 5200015064      | 30.06.2014   | -10.587,83                                                                             |
| 6000427899      | 08.12.2008   | -10.567,51                                                                             |
| 6000103441      | 07.04.2015   | -10.519,81                                                                             |
| 6000388390      | 07.11.2008   | -10.495,32                                                                             |
| 5200003049      | 30.04.2009   | -10.490,11                                                                             |
| 5200004221      | 28.02.2015   | -10.455,78                                                                             |
| 5200035321      | 31.10.2017   | -10.451,69                                                                             |
| 5200031829      | 30.11.2015   | -10.445,87                                                                             |
| 4300232639      | 29.09.2017   | -10.425,50                                                                             |
| 5200028870      | 31.10.2015   | -10.415,61                                                                             |
| 4300290327      | 04.12.2017   | -10.400,00                                                                             |
| 5200028563      | 02.11.2015   | -10.387,69                                                                             |
| 6000380839      | 08.12.2015   | -10.367,14                                                                             |
| 4500002448      | 28.12.2017   | -10.353,00                                                                             |
| 6000012562      | 15.01.2010   | -10.342,61                                                                             |
| 5200001185      | 31.01.2014   | -10.327,24                                                                             |
| 6000189054      | 22.06.2015   | -10.292,55                                                                             |
| 5200017400      | 31.07.2012   | -10.269,94                                                                             |
| 6000001082      | 06.01.2015   | -10.101,67                                                                             |
| 5200031636      | 30.09.2017   | -10.100,82                                                                             |
| 4600001068      | 18.11.2014   | -10.057,43                                                                             |
| 5200019971      | 31.08.2012   | -10.040,78                                                                             |
| 5200019769      | 31.07.2015   | -10.004,75                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

## II. Trade accounts payable to affiliated companies attributable to the Operating Unit Performance Materials

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 5200042076      | 31.12.2017   | 1.641.933,45                                                                   |
| 5000002291      | 31.12.2017   | 712.251,79                                                                     |
| 5000002501      | 29.12.2017   | 663.828,75                                                                     |
| 4300310744      | 19.12.2017   | 283.249,70                                                                     |
| 5200042122      | 31.12.2017   | 207.631,97                                                                     |
| 5200042133      | 31.12.2017   | 200.510,32                                                                     |
| 5200042134      | 31.12.2017   | 147.759,27                                                                     |
| 5200042120      | 31.12.2017   | 138.170,03                                                                     |
| 5200042138      | 31.12.2017   | 128.552,70                                                                     |
| 5200042101      | 31.12.2017   | 116.708,11                                                                     |
| 5200042143      | 31.12.2017   | 113.895,96                                                                     |
| 5000002336      | 31.12.2017   | 110.394,16                                                                     |
| 5200042139      | 31.12.2017   | 97.020,25                                                                      |
| 5200042111      | 31.12.2017   | 90.467,55                                                                      |
| 5000002362      | 31.12.2017   | 84.203,90                                                                      |
| 4300316185      | 01.12.2017   | 79.485,66                                                                      |
| 5200042135      | 31.12.2017   | 73.418,39                                                                      |
| 5200042141      | 31.12.2017   | 66.658,86                                                                      |
| 5000002363      | 31.12.2017   | 61.804,39                                                                      |
| 5200042066      | 31.12.2017   | 57.380,48                                                                      |
| 5200005665      | 31.05.2003   | 56.728,31                                                                      |
| 5000000620      | 07.07.2003   | -50.323,77                                                                     |
| 5000002320      | 31.12.2017   | 50.017,80                                                                      |
| 5200042061      | 31.12.2017   | 45.667,71                                                                      |
| 5200004154      | 30.06.2007   | 45.025,66                                                                      |
| 4500001616      | 13.07.2007   | 45.025,66                                                                      |
| 4000192431      | 13.07.2007   | -45.025,66                                                                     |
| 4500001615      | 13.07.2007   | -45.025,66                                                                     |
| 5000002365      | 31.12.2017   | 44.576,74                                                                      |
| 5000002322      | 31.12.2017   | 41.971,79                                                                      |
| 5200042132      | 31.12.2017   | 40.838,31                                                                      |
| 5200006696      | 30.06.2003   | -40.297,52                                                                     |
| 5000002329      | 31.12.2017   | 37.949,76                                                                      |
| 2782598         | 30.04.2000   | 37.156,98                                                                      |
| 2782599         | 02.05.2000   | -37.156,98                                                                     |
| 5200042062      | 31.12.2017   | 35.000,00                                                                      |
| 5200010195      | 30.09.2003   | 33.133,02                                                                      |
| 2783832         | 31.05.2000   | 32.416,96                                                                      |
| 2783833         | 05.06.2000   | -32.416,96                                                                     |
| 5200042043      | 31.12.2017   | -31.790,65                                                                     |
| 5000002331      | 31.12.2017   | 30.686,60                                                                      |
| 5200042070      | 31.12.2017   | 29.214,73                                                                      |
| 5200014152      | 31.12.2003   | 28.137,13                                                                      |
| 2784893         | 30.06.2000   | 27.826,61                                                                      |
| 2784894         | 03.07.2000   | -27.826,61                                                                     |
| 5200042078      | 31.12.2017   | 27.680,30                                                                      |
| 5200042106      | 31.12.2017   | 27.151,56                                                                      |
| 2781651         | 31.03.2000   | 26.328,60                                                                      |
| 2781652         | 03.04.2000   | -26.328,60                                                                     |
| 5200042115      | 31.12.2017   | 24.443,19                                                                      |
| 5200042068      | 31.12.2017   | 24.290,47                                                                      |
| 2500000996      | 05.03.2003   | -24.005,37                                                                     |
| 5200042121      | 31.12.2017   | 23.250,40                                                                      |
| 5200042112      | 31.12.2017   | 23.201,06                                                                      |
| 5000002366      | 31.12.2017   | 22.997,85                                                                      |
| 5200011660      | 30.09.2002   | 22.577,72                                                                      |
| 5200042137      | 31.12.2017   | 22.466,08                                                                      |
| 5200008863      | 31.08.2003   | -22.077,10                                                                     |
| 2780512         | 29.02.2000   | 21.666,95                                                                      |
| 2780513         | 01.03.2000   | -21.666,95                                                                     |
| 2779316         | 31.01.2000   | 19.463,89                                                                      |
| 2779317         | 01.02.2000   | -19.463,89                                                                     |
| 2789379         | 31.10.2000   | 18.418,61                                                                      |
| 2789380         | 01.11.2000   | -18.418,61                                                                     |
| 5200006205      | 30.09.2007   | -18.380,12                                                                     |
| 5200004605      | 30.04.2003   | 17.931,52                                                                      |
| 6000287815      | 10.10.2007   | 17.838,78                                                                      |
| 5900002617      | 19.12.2003   | -17.631,67                                                                     |
| 2701603         | 31.12.2000   | 17.368,23                                                                      |
| 2701604         | 01.01.2001   | -17.368,23                                                                     |

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 5200042116      | 31.12.2017   | 17.038,53                                                                      |
| 5200013104      | 30.11.2003   | 16.782,39                                                                      |
| 2787073         | 01.09.2000   | 16.646,24                                                                      |
| 2787072         | 31.08.2000   | -16.646,24                                                                     |
| 2779293         | 01.02.2000   | 16.530,62                                                                      |
| 2779292         | 31.01.2000   | -16.530,62                                                                     |
| 5200042130      | 31.12.2017   | 16.450,49                                                                      |
| 4500006375      | 16.09.2003   | 16.429,99                                                                      |
| 5200042114      | 31.12.2017   | 16.284,67                                                                      |
| 2782437         | 02.05.2000   | 15.765,32                                                                      |
| 2782436         | 30.04.2000   | -15.765,32                                                                     |
| 5200004367      | 31.03.2004   | -15.678,74                                                                     |
| 2767156         | 01.04.1999   | 15.667,66                                                                      |
| 2767155         | 31.03.1999   | -15.667,66                                                                     |
| 2788192         | 02.10.2000   | 14.848,94                                                                      |
| 2788191         | 30.09.2000   | -14.848,94                                                                     |
| 2747154         | 01.12.1997   | 14.715,81                                                                      |
| 2747153         | 30.11.1997   | -14.715,81                                                                     |
| 2789178         | 01.03.1994   | 14.684,34                                                                      |
| 2789177         | 28.02.1994   | -14.684,34                                                                     |
| 2787163         | 01.09.2000   | 14.303,66                                                                      |
| 2787162         | 31.08.2000   | -14.303,66                                                                     |
| 2788235         | 30.09.2000   | 14.216,92                                                                      |
| 2788236         | 02.10.2000   | -14.216,92                                                                     |
| 2788193         | 30.09.2000   | 14.134,65                                                                      |
| 2788194         | 02.10.2000   | -14.134,65                                                                     |
| 5200042113      | 31.12.2017   | 13.614,58                                                                      |
| 4500007239      | 31.10.2002   | -13.456,49                                                                     |
| 2787118         | 31.08.2000   | 13.402,36                                                                      |
| 2787119         | 01.09.2000   | -13.402,36                                                                     |
| 2781490         | 03.04.2000   | 13.371,76                                                                      |
| 2781489         | 31.03.2000   | -13.371,76                                                                     |
| 2701647         | 31.12.2000   | 13.009,34                                                                      |
| 2701648         | 01.01.2001   | -13.009,34                                                                     |
| 2783651         | 05.06.2000   | 12.777,92                                                                      |
| 2783650         | 31.05.2000   | -12.777,92                                                                     |
| 2700578         | 30.11.2000   | 12.698,77                                                                      |
| 2700579         | 01.12.2000   | -12.698,77                                                                     |
| 2785858         | 01.08.2000   | 12.526,68                                                                      |
| 2785857         | 31.07.2000   | -12.526,68                                                                     |
| 2778092         | 31.12.1999   | 12.409,24                                                                      |
| 2778093         | 03.01.2000   | -12.409,24                                                                     |
| 5200014653      | 31.12.2002   | 12.290,15                                                                      |
| 5200001411      | 31.01.2004   | -12.200,14                                                                     |
| 2500002930      | 30.06.2003   | -12.164,67                                                                     |
| 4300190794      | 09.08.2017   | 12.140,13                                                                      |
| 5200002322      | 30.06.2001   | 12.062,96                                                                      |
| 5200002509      | 01.07.2001   | -12.062,96                                                                     |
| 5200001924      | 31.05.2001   | 11.962,25                                                                      |
| 5200002103      | 01.06.2001   | -11.962,25                                                                     |
| 2767157         | 31.03.1999   | 11.629,18                                                                      |
| 2767158         | 01.04.1999   | -11.629,18                                                                     |
| 2780396         | 29.02.2000   | 11.570,03                                                                      |
| 2780397         | 01.03.2000   | -11.570,03                                                                     |
| 2785913         | 31.07.2000   | 11.505,80                                                                      |
| 2785914         | 01.08.2000   | -11.505,80                                                                     |
| 5200005657      | 31.05.2003   | 11.495,78                                                                      |
| 5200003991      | 31.07.2001   | 11.202,63                                                                      |
| 5200004145      | 01.08.2001   | -11.202,63                                                                     |
| 5200042142      | 31.12.2017   | 11.105,62                                                                      |
| 2783708         | 31.05.2000   | 11.040,86                                                                      |
| 2783709         | 05.06.2000   | -11.040,86                                                                     |
| 2701553         | 31.12.2000   | 10.951,00                                                                      |
| 2701554         | 01.01.2001   | -10.951,00                                                                     |
| 2787074         | 31.08.2000   | 10.859,74                                                                      |
| 2787075         | 01.09.2000   | -10.859,74                                                                     |
| 5200042065      | 31.12.2017   | 10.816,49                                                                      |
| 2767215         | 01.04.1999   | 10.755,71                                                                      |
| 2767214         | 31.03.1999   | -10.755,71                                                                     |
| 2788278         | 02.10.2000   | 10.636,15                                                                      |

**Annex 33.4.a**

## Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 2788277         | 30.09.2000   | -10.636,15                                                                     |
| 5200005654      | 31.05.2003   | 10.594,44                                                                      |
| 2779196         | 31.01.2000   | 10.551,61                                                                      |
| 2779197         | 01.02.2000   | -10.551,61                                                                     |
| 4500000749      | 19.02.2004   | -10.549,24                                                                     |
| 2784779         | 30.06.2000   | 10.412,72                                                                      |
| 2784780         | 03.07.2000   | -10.412,72                                                                     |
| 2788891         | 01.02.1994   | 10.314,78                                                                      |

| Document number | Posting date | Nominal value of the document item (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|--------------------------------------------------------------------------------|
| 2788890         | 31.01.1994   | -10.314,78                                                                     |
| 4500000170      | 16.01.2004   | -10.262,39                                                                     |
| 2784722         | 03.07.2000   | 10.216,34                                                                      |
| 2784721         | 30.06.2000   | -10.216,34                                                                     |
| 2782484         | 30.04.2000   | 10.125,92                                                                      |
| 2782485         | 02.05.2000   | -10.125,92                                                                     |
| 5200008857      | 31.08.2003   | -10.075,68                                                                     |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a liability.

**III. Other liabilities to third parties attributable to the Operating Unit Performance Materials**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 3200000803      | 31.12.2014   | 398.933,35                                                                             |
| 3200000734      | 31.12.2012   | -393.983,65                                                                            |
| 5200042036      | 31.12.2017   | 122.262,74                                                                             |
| 5200042055      | 31.12.2017   | 97.805,14                                                                              |
| 3200000510      | 31.12.2005   | 94.836,40                                                                              |
| 3200000606      | 31.12.2008   | -57.894,25                                                                             |
| 3200000766      | 31.12.2013   | -55.880,39                                                                             |
| 3200000538      | 31.12.2006   | -51.675,36                                                                             |
| 3200000625      | 31.12.2009   | 50.312,50                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800010169      | 31.12.2017   | 46.878,79                                                                              |
| 5200042035      | 31.12.2017   | 40.474,81                                                                              |
| 2600202665      | 24.10.2017   | 12.137,94                                                                              |
| 3200000677      | 31.12.2010   | 11.907,20                                                                              |
| 6000087667      | 24.03.2017   | 10.762,79                                                                              |
| 3200000634      | 30.09.2017   | -10.637,48                                                                             |

**IV. Deferred income**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000775      | 23.05.2017   | -613.500,00                                                                            |

**V. Order commitments**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------|--------------|---------------------------------------------------------------------------|
|                 | 31.12.2017   | 25.758.911,83                                                             |

**VI. Obligation to accept delivery**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) |
|-----------------|--------------|---------------------------------------------------------------------------|
|                 | 31.12.2017   | 3.934.720,00                                                              |

**VII. Rental and leasing obligations**

| Document number | Contract term | Nominal value of the document item (pro rata, as the case may be) |
|-----------------|---------------|-------------------------------------------------------------------|
| 605031          | 30.06.2019    | 349.918,65                                                        |
| 637984          | 30.09.2021    | 175.865,04                                                        |
| 684258          | 28.09.2018    | 140.502,60                                                        |
| 516648          | 30.06.2022    | 12.890,93                                                         |

**VIII. Leasing obligations**

| Leased Asset /Contract | Contract term |
|------------------------|---------------|
| DA-FM 303              | 02.08.2021    |
| DA-BE 256              | 08.10.2021    |
| DA-TK 690              | 21.08.2021    |
| DA-MS 676              | 06.06.2021    |
| DA-IP 131              | 02.04.2021    |
| DA-ON 501              | 01.05.2021    |
| DA-SH 550              | 05.04.2021    |
| DA-KF 126              | 26.06.2021    |
| DA-AS 497              | 01.05.2021    |
| DA-JO 420              | 30.07.2021    |
| DA-AJ 912              | 10.05.2021    |
| DA-KB 738              | 31.03.2021    |
| DA-WK 808              | 09.03.2021    |
| DA-LA 812              | 31.05.2021    |
| DA-TM 588              | 21.04.2020    |
| DA-RW 700              | 06.02.2021    |
| DA-JB 400              | 03.04.2021    |
| DA-WK 444              | 02.07.2021    |
| DA-GC 623              | 08.02.2021    |
| DA-MX 834              | 03.10.2020    |
| DA-AM 200              | 28.09.2019    |
| DA-BD 217              | 18.01.2020    |

### **Annex 33.4.b**

Uncertain liabilities  
Performance Materials

**I. Provisions for pensions and other post-employment benefits attributable to the Operating Unit Performance Materials.**

| Actuarial report, Reference | Date       | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------------------|------------|----------------------------------------------------------------------------------------|
| M0195.0.00 – ako/sg         | 23.01.2018 | 33.999.642,30                                                                          |
| M0195.0.00 – ako/sg         | 24.01.2018 | 629.391,00                                                                             |

**II. Provisions for personnel expenses**

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002077      | 31.12.2017   | 9.875.395,81                                                                           |
| 5000001035      | 30.06.2017   | 7.636.016,06                                                                           |
| 5000001674      | 31.10.2017   | 3.811.345,00                                                                           |
| 5000000196      | 05.02.2015   | -2.959.926,66                                                                          |
| 5000000533      | 31.03.2017   | 2.509.733,18                                                                           |
| 5000000196      | 05.02.2015   | -2.477.334,31                                                                          |
| 5000001029      | 30.06.2017   | 2.088.503,61                                                                           |
| 7800002740      | 30.04.2017   | -1.823.301,65                                                                          |
| 5000000332      | 10.03.2015   | -1.619.306,51                                                                          |
| 5000000332      | 10.03.2015   | 1.529.678,73                                                                           |
| 5000001479      | 30.09.2017   | 1.502.717,59                                                                           |
| 7800000958      | 28.02.2017   | 1.500.097,50                                                                           |
| 5000001443      | 30.09.2017   | -1.442.406,23                                                                          |
| 5000001648      | 31.10.2017   | 1.298.274,05                                                                           |
| 5000001904      | 01.12.2017   | 1.298.274,05                                                                           |
| 5000001179      | 31.07.2017   | 1.273.903,24                                                                           |
| 5000001312      | 31.08.2017   | 1.273.903,24                                                                           |
| 5000000654      | 30.04.2017   | 1.137.826,76                                                                           |
| 5000000196      | 05.02.2015   | -1.057.444,63                                                                          |
| 5000002247      | 31.12.2017   | -1.001.813,58                                                                          |
| 5000000487      | 30.04.2016   | 912.165,57                                                                             |
| 5000001831      | 31.12.2015   | 818.493,10                                                                             |
| 5000000466      | 14.03.2017   | 707.941,14                                                                             |
| 7800000958      | 28.02.2017   | -686.187,18                                                                            |
| 5000001842      | 31.12.2009   | 644.968,70                                                                             |
| 5000000196      | 05.02.2015   | -575.715,94                                                                            |
| 5000000763      | 30.06.2016   | 559.799,02                                                                             |
| 7800000958      | 28.02.2017   | 557.218,73                                                                             |
| 7800000958      | 28.02.2017   | -557.218,73                                                                            |
| 5000000361      | 02.03.2017   | -553.877,01                                                                            |
| 5000000361      | 02.03.2017   | 553.368,14                                                                             |
| 5000001888      | 31.12.2015   | 537.538,02                                                                             |
| 5000001888      | 31.12.2015   | -537.538,02                                                                            |
| 7800001594      | 31.03.2016   | 531.265,91                                                                             |
| 5000002387      | 31.12.2017   | 528.680,00                                                                             |
| 5000002388      | 31.12.2017   | 484.537,10                                                                             |
| 5000000196      | 05.02.2015   | -480.520,02                                                                            |
| 5000000379      | 03.03.2016   | 467.956,90                                                                             |
| 5000000252      | 03.03.2016   | -462.232,95                                                                            |
| 5000002121      | 31.12.2017   | -434.842,06                                                                            |
| 5000001175      | 30.09.2016   | 414.512,46                                                                             |
| 5000000355      | 31.03.2015   | -405.224,74                                                                            |
| 5000000466      | 14.03.2017   | -395.368,30                                                                            |
| 5000000481      | 14.04.2016   | -392.245,58                                                                            |
| 5000000221      | 14.02.2017   | 391.506,13                                                                             |
| 5000002356      | 31.12.2017   | 385.228,87                                                                             |
| 5000002077      | 31.12.2017   | 384.142,15                                                                             |
| 5000000338      | 31.03.2015   | -383.251,23                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000338      | 31.03.2015   | 381.577,60                                                                             |
| 5000001320      | 21.10.2013   | 376.064,68                                                                             |
| 5000000368      | 26.03.2014   | -372.748,57                                                                            |
| 5000001476      | 30.09.2017   | -366.474,14                                                                            |
| 5000002180      | 31.12.2017   | 355.814,20                                                                             |
| 5000002180      | 31.12.2017   | -355.814,20                                                                            |
| 5000000498      | 17.04.2013   | 329.329,28                                                                             |
| 5000002342      | 31.12.2017   | 325.181,01                                                                             |
| 5000002342      | 31.12.2017   | -325.181,01                                                                            |
| 5000001001      | 30.06.2017   | 321.579,93                                                                             |
| 5000002077      | 31.12.2017   | 318.829,88                                                                             |
| 5000000332      | 10.03.2015   | -314.263,67                                                                            |
| 7800004288      | 31.07.2013   | 313.538,10                                                                             |
| 7800004288      | 31.07.2013   | -313.538,10                                                                            |
| 5000001847      | 31.12.2016   | 309.693,92                                                                             |
| 7800000861      | 28.02.2015   | 305.756,70                                                                             |
| 7800001333      | 28.02.2014   | 300.892,72                                                                             |
| 5000001775      | 31.12.2014   | 297.634,74                                                                             |
| 5000000332      | 10.03.2015   | 296.899,21                                                                             |
| 5000001437      | 30.09.2017   | 286.765,00                                                                             |
| 5000000946      | 27.06.2017   | 268.090,00                                                                             |
| 5000002122      | 31.12.2017   | -260.472,96                                                                            |
| 5000001512      | 01.08.2011   | 255.399,68                                                                             |
| 5000001477      | 30.09.2017   | -252.794,17                                                                            |
| 5000002391      | 31.12.2017   | 248.751,72                                                                             |
| 7800000845      | 29.02.2012   | 247.378,04                                                                             |
| 7800000096      | 31.01.2017   | 245.044,44                                                                             |
| 7800000096      | 31.01.2017   | -245.044,44                                                                            |
| 7800007002      | 30.11.2010   | 234.612,77                                                                             |
| 7800000861      | 28.02.2015   | 234.568,21                                                                             |
| 5000000466      | 14.03.2017   | -227.384,12                                                                            |
| 5000000221      | 14.02.2017   | -226.832,68                                                                            |
| 5000001828      | 31.12.2015   | 222.320,65                                                                             |
| 7800000777      | 28.02.2011   | 220.424,72                                                                             |
| 7800001229      | 28.02.2013   | 218.708,58                                                                             |
| 7800001229      | 28.02.2013   | -218.708,58                                                                            |
| 7800001333      | 28.02.2014   | 214.109,67                                                                             |
| 5000000481      | 14.04.2016   | -214.007,16                                                                            |
| 5000000355      | 31.03.2015   | -213.380,15                                                                            |
| 7800000857      | 28.02.2010   | 212.821,31                                                                             |
| 5000001806      | 31.12.2014   | 208.976,82                                                                             |
| 5000001806      | 31.12.2014   | -208.976,82                                                                            |
| 5000000196      | 05.02.2015   | -204.902,50                                                                            |
| 5000001009      | 30.06.2017   | 204.168,83                                                                             |
| 7800000124      | 31.01.2014   | 199.211,60                                                                             |
| 5000000157      | 22.02.2016   | -197.861,99                                                                            |
| 7800000083      | 31.01.2016   | 192.118,30                                                                             |
| 7800000202      | 31.01.2015   | 185.354,18                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002361      | 31.12.2017   | 178.358,65                                                                             |
| 5000000761      | 30.06.2016   | 177.963,33                                                                             |
| 5000001454      | 14.09.2017   | 177.832,38                                                                             |
| 5000001722      | 01.11.2017   | 176.128,26                                                                             |
| 5000000196      | 05.02.2015   | 173.438,69                                                                             |
| 5000001226      | 01.08.2017   | 167.565,55                                                                             |
| 5000000361      | 02.03.2017   | -166.553,40                                                                            |
| 5000001177      | 30.09.2016   | 165.955,81                                                                             |
| 5000000361      | 02.03.2017   | 165.028,62                                                                             |
| 5000000481      | 31.03.2017   | 156.494,56                                                                             |
| 5000000797      | 16.05.2017   | 156.150,83                                                                             |
| 5000000338      | 31.03.2015   | -152.456,05                                                                            |
| 5000000338      | 31.03.2015   | 151.756,10                                                                             |
| 5000002395      | 31.12.2017   | 151.278,43                                                                             |
| 5000002416      | 31.12.2017   | -151.278,43                                                                            |
| 5000000661      | 18.04.2017   | 147.214,84                                                                             |
| 5000001849      | 31.12.2016   | -143.128,19                                                                            |
| 5000001149      | 14.09.2016   | 137.718,29                                                                             |
| 5000000466      | 14.03.2017   | 137.549,73                                                                             |
| 7800007002      | 30.11.2010   | 136.885,21                                                                             |
| 5000001882      | 31.12.2016   | 134.751,77                                                                             |
| 5000001882      | 31.12.2016   | -134.751,77                                                                            |
| 5000000240      | 10.03.2015   | -128.620,74                                                                            |
| 5000000361      | 02.03.2017   | -126.176,29                                                                            |
| 5000000361      | 02.03.2017   | 125.960,91                                                                             |
| 5000000098      | 14.01.2015   | 123.121,37                                                                             |
| 5000001722      | 31.12.2016   | 122.319,50                                                                             |
| 5000000379      | 03.03.2016   | 114.632,35                                                                             |
| 7800002612      | 30.04.2017   | -114.489,65                                                                            |
| 5000000252      | 03.03.2016   | -114.383,79                                                                            |
| 5000000485      | 31.03.2017   | 112.253,86                                                                             |
| 5000000301      | 26.03.2013   | -111.743,95                                                                            |
| 5000000379      | 03.03.2016   | 110.720,22                                                                             |
| 5000001727      | 31.12.2016   | 109.323,56                                                                             |
| 5000000252      | 03.03.2016   | -108.619,64                                                                            |
| 7800000958      | 28.02.2017   | 108.264,45                                                                             |
| 7800000958      | 28.02.2017   | -108.264,45                                                                            |
| 5000002429      | 31.12.2017   | -107.965,84                                                                            |
| 5000002180      | 31.12.2017   | 107.670,42                                                                             |
| 5000002180      | 31.12.2017   | -107.670,42                                                                            |
| 5000000361      | 02.03.2017   | -107.433,74                                                                            |
| 5000000361      | 02.03.2017   | 107.335,98                                                                             |
| 7800000861      | 28.02.2015   | 104.443,13                                                                             |
| 5000000221      | 14.02.2017   | -104.339,42                                                                            |
| 5000001757      | 14.11.2017   | -103.860,28                                                                            |
| 7800001594      | 31.03.2016   | 102.696,99                                                                             |
| 5000002112      | 14.12.2017   | -101.350,90                                                                            |
| 5000001722      | 01.11.2017   | -101.282,77                                                                            |
| 5000001914      | 31.12.2013   | 100.716,33                                                                             |
| 5000001454      | 14.09.2017   | -100.433,09                                                                            |
| 5000001007      | 16.08.2016   | -99.645,89                                                                             |
| 7800001333      | 28.02.2014   | 99.289,18                                                                              |
| 7800010169      | 31.12.2017   | 99.175,87                                                                              |
| 7800010169      | 31.12.2017   | -99.175,87                                                                             |
| 5000000240      | 10.03.2015   | -98.049,61                                                                             |
| 5000001291      | 15.08.2017   | -96.313,62                                                                             |
| 7800008162      | 31.10.2017   | 94.581,94                                                                              |
| 7800009364      | 30.11.2017   | 93.433,24                                                                              |
| 7800007359      | 30.09.2017   | 92.063,81                                                                              |
| 7800007359      | 30.09.2017   | -92.063,81                                                                             |
| 5000000379      | 03.03.2016   | 90.751,76                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001226      | 01.08.2017   | -90.445,05                                                                             |
| 5000000252      | 03.03.2016   | -89.641,06                                                                             |
| 5000000797      | 16.05.2017   | -89.289,96                                                                             |
| 7800006349      | 31.08.2017   | 89.145,01                                                                              |
| 7800006349      | 31.08.2017   | -89.145,01                                                                             |
| 5000000702      | 25.06.2015   | -88.969,92                                                                             |
| 5000000124      | 05.02.2016   | -88.883,24                                                                             |
| 5000000906      | 14.06.2017   | -88.803,18                                                                             |
| 5000002390      | 31.12.2017   | -88.706,85                                                                             |
| 5000001436      | 25.11.2015   | -88.634,85                                                                             |
| 5000000118      | 16.01.2017   | -88.484,44                                                                             |
| 5000000875      | 21.07.2015   | -88.376,58                                                                             |
| 5000001398      | 17.11.2015   | -88.175,31                                                                             |
| 5000000592      | 28.05.2015   | -88.075,20                                                                             |
| 5000001142      | 29.09.2015   | -88.026,27                                                                             |
| 5000001042      | 31.08.2015   | -87.914,53                                                                             |
| 5000000685      | 14.06.2016   | -87.861,09                                                                             |
| 5000000350      | 10.03.2015   | -87.561,69                                                                             |
| 5000001391      | 15.11.2016   | -87.284,83                                                                             |
| 5000001713      | 29.12.2015   | -87.136,53                                                                             |
| 5000001149      | 14.09.2016   | -87.016,63                                                                             |
| 5000001234      | 14.10.2016   | -86.813,69                                                                             |
| 5000001653      | 14.12.2016   | -86.736,45                                                                             |
| 5000000896      | 14.07.2016   | -86.675,80                                                                             |
| 5000000661      | 18.04.2017   | -86.369,60                                                                             |
| 5000000583      | 17.05.2016   | -85.279,36                                                                             |
| 5000000596      | 28.05.2015   | -84.408,46                                                                             |
| 7800005440      | 31.07.2017   | 84.407,65                                                                              |
| 5000000332      | 10.03.2015   | 83.876,40                                                                              |
| 5000000264      | 15.03.2016   | -83.496,46                                                                             |
| 5000000157      | 22.02.2016   | -83.062,89                                                                             |
| 5000000196      | 05.02.2015   | 82.988,34                                                                              |
| 5000000350      | 10.03.2015   | 82.699,72                                                                              |
| 7800007002      | 30.11.2010   | 81.896,36                                                                              |
| 5000001766      | 13.11.2012   | 81.720,91                                                                              |
| 5000001969      | 01.12.2012   | -81.720,91                                                                             |
| 5000001266      | 30.09.2013   | 81.052,54                                                                              |
| 5000000355      | 31.03.2015   | -78.329,15                                                                             |
| 5000000466      | 14.03.2017   | -76.818,39                                                                             |
| 5000000221      | 14.02.2017   | 76.065,39                                                                              |
| 7800000096      | 31.01.2017   | 76.044,23                                                                              |
| 7800000096      | 31.01.2017   | -76.044,23                                                                             |
| 5000000466      | 14.03.2017   | -75.982,09                                                                             |
| 5000000481      | 14.04.2016   | -75.823,08                                                                             |
| 7800004553      | 30.06.2017   | 75.712,00                                                                              |
| 7800004553      | 30.06.2017   | -75.712,00                                                                             |
| 5000000737      | 30.06.2016   | -75.517,98                                                                             |
| 5000000338      | 31.03.2015   | -74.989,02                                                                             |
| 5000000338      | 31.03.2015   | 74.661,46                                                                              |
| 7800002740      | 30.04.2017   | 74.323,77                                                                              |
| 7800002740      | 30.04.2017   | -74.323,77                                                                             |
| 7800003663      | 31.05.2017   | 74.091,16                                                                              |
| 5000000240      | 10.03.2015   | -73.486,35                                                                             |
| 5000000368      | 26.03.2014   | -72.894,87                                                                             |
| 5000001320      | 21.10.2013   | 72.500,46                                                                              |
| 7800009295      | 31.12.2016   | 72.192,82                                                                              |
| 7800000096      | 31.01.2017   | 72.048,74                                                                              |
| 7800000096      | 31.01.2017   | -72.048,74                                                                             |
| 7800000958      | 28.02.2017   | 71.756,76                                                                              |
| 7800000958      | 28.02.2017   | -71.756,76                                                                             |
| 7800001980      | 31.03.2017   | 71.743,97                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800001980      | 31.03.2017   | -71.743,97                                                                             |
| 7800003517      | 31.05.2016   | 70.887,35                                                                              |
| 7800007440      | 31.10.2016   | 70.839,52                                                                              |
| 7800008381      | 30.11.2016   | 70.523,99                                                                              |
| 7800003831      | 30.06.2012   | 69.781,61                                                                              |
| 7800006461      | 31.08.2016   | 69.469,86                                                                              |
| 7800006461      | 31.08.2016   | -69.469,86                                                                             |
| 7800006816      | 30.09.2016   | 69.357,23                                                                              |
| 7800001594      | 31.03.2016   | 68.697,03                                                                              |
| 7800002963      | 31.05.2012   | 67.947,39                                                                              |
| 7800005497      | 31.07.2016   | 67.741,44                                                                              |
| 7800002402      | 30.04.2016   | 67.657,93                                                                              |
| 7800004096      | 30.06.2016   | 67.576,86                                                                              |
| 7800008626      | 31.12.2015   | 67.523,08                                                                              |
| 7800002262      | 30.04.2012   | 67.468,37                                                                              |
| 7800003467      | 31.05.2015   | 67.410,84                                                                              |
| 7800000083      | 31.01.2016   | 67.284,63                                                                              |
| 7800001462      | 29.02.2016   | 67.002,94                                                                              |
| 7800002458      | 30.04.2015   | 66.849,41                                                                              |
| 7800007031      | 31.10.2015   | 66.737,75                                                                              |
| 7800004386      | 31.07.2012   | 66.597,62                                                                              |
| 7800008408      | 30.11.2015   | 66.387,68                                                                              |
| 7800003913      | 30.06.2015   | 66.056,85                                                                              |
| 7800005470      | 31.08.2015   | 65.790,42                                                                              |
| 7800006139      | 30.09.2015   | 65.764,02                                                                              |
| 7800001555      | 31.03.2012   | 65.622,64                                                                              |
| 7800007370      | 31.12.2011   | 65.196,92                                                                              |
| 7800005158      | 31.07.2015   | 65.184,99                                                                              |
| 7800000138      | 31.01.2012   | 64.911,78                                                                              |
| 7800000845      | 29.02.2012   | 64.638,28                                                                              |
| 7800001827      | 31.03.2015   | 63.543,61                                                                              |
| 7800000202      | 31.01.2015   | 63.534,25                                                                              |
| 7800006921      | 30.11.2011   | 63.512,63                                                                              |
| 5000000498      | 17.04.2013   | 63.498,70                                                                              |
| 7800008422      | 31.12.2014   | 63.233,00                                                                              |
| 7800008422      | 31.12.2014   | -63.233,00                                                                             |
| 7800000861      | 28.02.2015   | 62.956,30                                                                              |
| 7800006204      | 31.10.2011   | 62.877,86                                                                              |
| 7800000083      | 31.01.2016   | 62.795,74                                                                              |
| 7800005087      | 31.08.2012   | 62.567,58                                                                              |
| 7800002416      | 30.04.2014   | 62.300,40                                                                              |
| 7800003754      | 30.06.2014   | 62.222,48                                                                              |
| 7800006663      | 31.10.2014   | 61.724,68                                                                              |
| 7800003029      | 31.05.2014   | 61.532,99                                                                              |
| 7800007421      | 30.11.2014   | 61.503,17                                                                              |
| 7800005662      | 30.09.2011   | 61.294,41                                                                              |
| 7800005913      | 30.09.2014   | 61.182,32                                                                              |
| 7800005140      | 31.08.2014   | 61.071,96                                                                              |
| 5000000501      | 19.04.2013   | 61.059,79                                                                              |
| 7800003386      | 30.06.2011   | 60.947,69                                                                              |
| 7800001549      | 31.03.2014   | 60.829,49                                                                              |
| 7800004657      | 31.07.2014   | 60.815,23                                                                              |
| 7800004681      | 31.08.2011   | 60.711,65                                                                              |
| 7800004288      | 31.07.2013   | 60.444,98                                                                              |
| 7800004288      | 31.07.2013   | -60.444,98                                                                             |
| 5000001849      | 31.12.2016   | 60.152,32                                                                              |
| 7800004091      | 31.07.2011   | 60.119,27                                                                              |
| 7800000124      | 31.01.2014   | 59.924,01                                                                              |
| 7800005734      | 30.09.2012   | 59.784,07                                                                              |
| 7800000202      | 31.01.2015   | 59.676,78                                                                              |
| 7800002599      | 30.04.2011   | 59.186,13                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800006412      | 31.10.2012   | 59.135,41                                                                              |
| 5000001010      | 30.06.2017   | 58.768,82                                                                              |
| 7800002727      | 31.05.2011   | 58.760,71                                                                              |
| 7800000124      | 31.01.2014   | 58.464,16                                                                              |
| 7800007579      | 30.11.2012   | 57.862,19                                                                              |
| 5000000533      | 31.03.2017   | 57.593,10                                                                              |
| 5000000481      | 14.04.2016   | -56.758,57                                                                             |
| 7800001333      | 28.02.2014   | 56.442,39                                                                              |
| 5000000653      | 30.04.2017   | -55.299,26                                                                             |
| 7800007992      | 31.12.2013   | 54.775,84                                                                              |
| 5000001095      | 30.06.2012   | 54.687,77                                                                              |
| 5000001095      | 30.06.2012   | -54.687,77                                                                             |
| 7800007788      | 31.12.2012   | 54.597,28                                                                              |
| 7800001562      | 31.03.2011   | 54.509,76                                                                              |
| 7800004553      | 30.06.2017   | 53.952,37                                                                              |
| 7800004553      | 30.06.2017   | -53.952,37                                                                             |
| 7800000777      | 28.02.2011   | 53.948,48                                                                              |
| 5000001172      | 29.09.2015   | 53.829,72                                                                              |
| 5000001415      | 23.11.2015   | 53.645,88                                                                              |
| 7800006487      | 31.10.2013   | 53.641,27                                                                              |
| 7800007127      | 30.11.2013   | 53.587,59                                                                              |
| 7800003663      | 31.05.2017   | 53.336,93                                                                              |
| 7800002740      | 30.04.2017   | 53.308,68                                                                              |
| 7800002740      | 30.04.2017   | -53.308,68                                                                             |
| 5000001172      | 29.09.2015   | -53.244,26                                                                             |
| 7800006349      | 31.08.2017   | 53.240,36                                                                              |
| 7800006349      | 31.08.2017   | -53.240,36                                                                             |
| 5000000221      | 14.02.2017   | -53.230,60                                                                             |
| 5000001415      | 23.11.2015   | -53.160,30                                                                             |
| 7800005704      | 30.09.2013   | 53.084,20                                                                              |
| 7800000133      | 31.01.2011   | 53.063,86                                                                              |
| 7800005440      | 31.07.2017   | 52.998,75                                                                              |
| 7800005514      | 31.08.2013   | 52.632,98                                                                              |
| 7800008162      | 31.10.2017   | 52.132,16                                                                              |
| 7800002892      | 31.05.2013   | 51.867,29                                                                              |
| 7800007359      | 30.09.2017   | 51.858,81                                                                              |
| 7800007359      | 30.09.2017   | -51.858,81                                                                             |
| 7800001980      | 31.03.2017   | 51.769,43                                                                              |
| 7800001980      | 31.03.2017   | -51.769,43                                                                             |
| 7800000958      | 28.02.2017   | 51.632,49                                                                              |
| 7800000958      | 28.02.2017   | -51.632,49                                                                             |
| 7800007278      | 31.12.2010   | 51.305,83                                                                              |
| 7800000099      | 31.01.2013   | 51.271,90                                                                              |
| 7800004288      | 31.07.2013   | 51.144,62                                                                              |
| 7800004288      | 31.07.2013   | -51.144,62                                                                             |
| 7800000096      | 31.01.2017   | 51.130,30                                                                              |
| 7800000096      | 31.01.2017   | -51.130,30                                                                             |
| 5000001123      | 16.09.2015   | 50.801,32                                                                              |
| 5000001123      | 16.09.2015   | -50.714,40                                                                             |
| 7800001229      | 28.02.2013   | 50.424,73                                                                              |
| 7800001229      | 28.02.2013   | -50.424,73                                                                             |
| 7800001901      | 31.03.2013   | 50.079,08                                                                              |
| 7800001901      | 31.03.2013   | -50.079,08                                                                             |
| 5000000158      | 22.02.2016   | 49.919,28                                                                              |
| 7800003663      | 30.06.2013   | 49.866,92                                                                              |
| 7800002692      | 30.04.2013   | 49.726,77                                                                              |
| 5000000158      | 22.02.2016   | -49.665,08                                                                             |
| 5000001883      | 31.12.2016   | -49.641,22                                                                             |
| 7800010169      | 31.12.2017   | 48.520,56                                                                              |
| 7800010169      | 31.12.2017   | -48.520,56                                                                             |
| 7800009364      | 30.11.2017   | 48.473,33                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800000845      | 29.02.2012   | 48.431,07                                                                              |
| 5000000321      | 31.03.2016   | 48.369,54                                                                              |
| 7800001229      | 28.02.2013   | 48.045,37                                                                              |
| 7800001229      | 28.02.2013   | -48.045,37                                                                             |
| 7800007002      | 30.11.2010   | 47.453,35                                                                              |
| 7800002402      | 30.04.2016   | 46.101,16                                                                              |
| 7800004096      | 30.06.2016   | 45.938,88                                                                              |
| 7800003517      | 31.05.2016   | 45.904,14                                                                              |
| 5000001878      | 30.09.2011   | -45.550,61                                                                             |
| 5000000661      | 01.06.2015   | 45.323,71                                                                              |
| 5000002930      | 31.12.2011   | 45.295,57                                                                              |
| 5000000661      | 01.06.2015   | -45.255,70                                                                             |
| 7800001462      | 29.02.2016   | 45.009,15                                                                              |
| 7800006461      | 31.08.2016   | 44.928,42                                                                              |
| 7800006461      | 31.08.2016   | -44.928,42                                                                             |
| 7800001594      | 31.03.2016   | 44.891,24                                                                              |
| 7800007440      | 31.10.2016   | 44.727,97                                                                              |
| 5000002112      | 14.12.2017   | -44.526,57                                                                             |
| 7800007421      | 30.11.2014   | 44.519,19                                                                              |
| 7800006816      | 30.09.2016   | 44.442,23                                                                              |
| 7800000083      | 31.01.2016   | 44.363,08                                                                              |
| 5000001454      | 14.09.2017   | -44.326,85                                                                             |
| 7800005497      | 31.07.2016   | 44.192,15                                                                              |
| 5000000466      | 14.03.2017   | -44.179,41                                                                             |
| 5000000221      | 14.02.2017   | -44.071,19                                                                             |
| 7800006663      | 31.10.2014   | 43.887,06                                                                              |
| 7800005913      | 30.09.2014   | 43.856,07                                                                              |
| 7800005140      | 31.08.2014   | 43.774,35                                                                              |
| 7800000777      | 28.02.2011   | 43.496,42                                                                              |
| 7800005969      | 31.10.2010   | 43.080,07                                                                              |
| 7800004657      | 31.07.2014   | 43.042,87                                                                              |
| 7800008422      | 31.12.2014   | 43.033,51                                                                              |
| 7800008422      | 31.12.2014   | -43.033,51                                                                             |
| 7800003754      | 30.06.2014   | 42.954,16                                                                              |
| 5000000252      | 03.03.2016   | -42.623,40                                                                             |
| 7800003029      | 31.05.2014   | 42.530,87                                                                              |
| 5000000243      | 11.03.2015   | -42.375,37                                                                             |
| 7800003913      | 30.06.2015   | 42.353,79                                                                              |
| 5000000243      | 11.03.2015   | 42.206,05                                                                              |
| 7800001229      | 28.02.2013   | 42.165,65                                                                              |
| 7800001229      | 28.02.2013   | -42.165,65                                                                             |
| 7800000133      | 31.01.2011   | 42.158,40                                                                              |
| 7800003467      | 31.05.2015   | 42.131,63                                                                              |
| 7800002458      | 30.04.2015   | 42.067,20                                                                              |
| 7800009295      | 31.12.2016   | 42.022,85                                                                              |
| 5000001757      | 14.11.2017   | -41.731,67                                                                             |
| 5000001722      | 01.11.2017   | -41.675,95                                                                             |
| 7800005470      | 31.08.2015   | 41.531,09                                                                              |
| 7800005158      | 31.07.2015   | 41.462,56                                                                              |
| 5000001226      | 01.08.2017   | -41.433,73                                                                             |
| 5000000481      | 14.04.2016   | -41.368,89                                                                             |
| 7800002416      | 30.04.2014   | 41.304,58                                                                              |
| 5000000355      | 31.03.2015   | -41.245,79                                                                             |
| 7800007031      | 31.10.2015   | 41.200,31                                                                              |
| 7800000857      | 28.02.2010   | 41.144,72                                                                              |
| 7800008381      | 30.11.2016   | 41.056,59                                                                              |
| 7800006139      | 30.09.2015   | 40.708,74                                                                              |
| 7800001827      | 31.03.2015   | 40.216,48                                                                              |
| 5000001898      | 14.11.2017   | 40.010,17                                                                              |
| 7800000861      | 28.02.2015   | 39.943,81                                                                              |
| 5000001898      | 14.11.2017   | -39.928,01                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001291      | 15.08.2017   | -39.822,10                                                                             |
| 5000002247      | 31.12.2017   | 39.722,01                                                                              |
| 7800000202      | 31.01.2015   | 39.562,89                                                                              |
| 7800005734      | 30.09.2012   | 38.972,11                                                                              |
| 7800008408      | 30.11.2015   | 38.919,88                                                                              |
| 5000001721      | 29.12.2015   | 38.853,47                                                                              |
| 5000001721      | 29.12.2015   | -38.575,01                                                                             |
| 7800008626      | 31.12.2015   | 38.513,97                                                                              |
| 7800001549      | 31.03.2014   | 38.474,35                                                                              |
| 5000000157      | 22.02.2016   | -38.249,46                                                                             |
| 5000000157      | 22.02.2016   | -38.142,78                                                                             |
| 7800005664      | 30.09.2010   | 37.953,22                                                                              |
| 5000000906      | 14.06.2017   | -37.634,28                                                                             |
| 5000000797      | 16.05.2017   | -37.587,60                                                                             |
| 5000000416      | 13.03.2012   | -37.086,91                                                                             |
| 5000000661      | 18.04.2017   | -36.603,93                                                                             |
| 5000001529      | 31.08.2011   | 36.471,09                                                                              |
| 5000001732      | 30.09.2011   | 36.471,09                                                                              |
| 5000002075      | 31.10.2011   | 36.471,09                                                                              |
| 5000002285      | 30.11.2011   | 36.471,09                                                                              |
| 5000000355      | 31.03.2015   | -36.329,53                                                                             |
| 5000000762      | 30.06.2015   | 36.222,49                                                                              |
| 5000000762      | 30.06.2015   | -36.047,56                                                                             |
| 5000000379      | 03.03.2016   | 35.788,75                                                                              |
| 7800001333      | 28.02.2014   | 35.137,02                                                                              |
| 5000002361      | 31.12.2017   | 34.655,12                                                                              |
| 5000000660      | 01.06.2015   | -34.613,97                                                                             |
| 5000001454      | 14.09.2017   | 34.551,10                                                                              |
| 5000000660      | 01.06.2015   | 34.378,57                                                                              |
| 5000001722      | 01.11.2017   | 34.218,48                                                                              |
| 5000000477      | 31.03.2017   | 33.928,98                                                                              |
| 5000000196      | 05.02.2015   | 33.729,66                                                                              |
| 7800010169      | 31.12.2017   | 33.623,85                                                                              |
| 7800010169      | 31.12.2017   | -33.623,85                                                                             |
| 7800009364      | 30.11.2017   | 33.534,05                                                                              |
| 7800008162      | 31.10.2017   | 33.418,31                                                                              |
| 7800006349      | 31.08.2017   | 33.188,94                                                                              |
| 7800006349      | 31.08.2017   | -33.188,94                                                                             |
| 7800007359      | 30.09.2017   | 32.780,37                                                                              |
| 7800007359      | 30.09.2017   | -32.780,37                                                                             |
| 5000000599      | 17.05.2016   | 32.717,01                                                                              |
| 5000000706      | 23.06.2016   | -32.717,01                                                                             |
| 5000000706      | 23.06.2016   | 32.716,99                                                                              |
| 5000000599      | 17.05.2016   | -32.681,55                                                                             |
| 5000001226      | 01.08.2017   | 32.554,36                                                                              |
| 5000000361      | 02.03.2017   | -32.192,06                                                                             |
| 5000000692      | 14.06.2016   | -32.129,21                                                                             |
| 5000000692      | 14.06.2016   | 32.114,16                                                                              |
| 5000000361      | 02.03.2017   | 31.897,64                                                                              |
| 5000002123      | 31.12.2017   | 31.895,70                                                                              |
| 5000000896      | 14.07.2016   | -31.482,59                                                                             |
| 7800005440      | 31.07.2017   | 31.469,48                                                                              |
| 5000000885      | 21.07.2015   | 31.181,08                                                                              |
| 5000001234      | 14.10.2016   | -31.132,50                                                                             |
| 7800000124      | 31.01.2014   | 31.106,78                                                                              |
| 5000000885      | 21.07.2015   | -31.047,81                                                                             |
| 5000001653      | 14.12.2016   | -31.000,40                                                                             |
| 7800004553      | 30.06.2017   | 30.771,48                                                                              |
| 7800004553      | 30.06.2017   | -30.771,48                                                                             |
| 5000000797      | 16.05.2017   | 30.335,70                                                                              |
| 5000000338      | 31.03.2015   | -29.836,99                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000493      | 06.03.2012   | 29.827,69                                                                              |
| 5000000493      | 06.03.2012   | -29.827,69                                                                             |
| 5000000338      | 31.03.2015   | 29.699,97                                                                              |
| 7800005143      | 31.08.2010   | 29.611,07                                                                              |
| 7800002740      | 30.04.2017   | 29.461,90                                                                              |
| 7800002740      | 30.04.2017   | -29.461,90                                                                             |
| 7800003663      | 31.05.2017   | 29.450,88                                                                              |
| 5000000685      | 14.06.2016   | -29.278,98                                                                             |
| 7800000958      | 28.02.2017   | 29.255,15                                                                              |
| 7800000958      | 28.02.2017   | -29.255,15                                                                             |
| 5000001149      | 14.09.2016   | -28.969,01                                                                             |
| 5000000264      | 15.03.2016   | -28.963,48                                                                             |
| 5000000583      | 17.05.2016   | -28.951,31                                                                             |
| 5000000502      | 19.04.2013   | -28.650,11                                                                             |
| 5000000661      | 18.04.2017   | 28.605,00                                                                              |
| 7800001980      | 31.03.2017   | 28.532,71                                                                              |
| 7800001980      | 31.03.2017   | -28.532,71                                                                             |
| 5000000118      | 16.01.2017   | -28.437,30                                                                             |
| 5000001391      | 15.11.2016   | -28.430,50                                                                             |
| 5000001007      | 16.08.2016   | -28.184,74                                                                             |
| 5000001437      | 25.11.2015   | 27.363,46                                                                              |
| 5000001437      | 25.11.2015   | -27.203,98                                                                             |
| 5000000128      | 08.02.2016   | 27.154,96                                                                              |
| 7800006816      | 30.09.2016   | 27.126,97                                                                              |
| 7800004096      | 30.06.2016   | 27.052,12                                                                              |
| 7800008381      | 30.11.2016   | 27.011,09                                                                              |
| 5000000128      | 08.02.2016   | -26.959,13                                                                             |
| 7800001594      | 31.03.2016   | 26.902,62                                                                              |
| 7800003517      | 31.05.2016   | 26.902,31                                                                              |
| 5000001921      | 31.12.2013   | 26.830,22                                                                              |
| 5000001086      | 30.09.2016   | -26.825,21                                                                             |
| 7800007440      | 31.10.2016   | 26.720,11                                                                              |
| 7800009295      | 31.12.2016   | 26.669,67                                                                              |
| 5000001816      | 30.11.2012   | 26.662,16                                                                              |
| 5000001816      | 30.11.2012   | -26.662,16                                                                             |
| 5000001149      | 14.09.2016   | 26.559,20                                                                              |
| 7800006461      | 31.08.2016   | 26.489,36                                                                              |
| 7800006461      | 31.08.2016   | -26.489,36                                                                             |
| 7800002402      | 30.04.2016   | 26.392,98                                                                              |
| 7800005497      | 31.07.2016   | 25.895,62                                                                              |
| 5000000810      | 16.05.2012   | 25.845,09                                                                              |
| 7800001462      | 29.02.2016   | 25.825,76                                                                              |
| 5000001884      | 30.09.2011   | 25.523,48                                                                              |
| 5000000203      | 28.02.2014   | -25.390,89                                                                             |
| 7800002458      | 30.04.2015   | 25.319,04                                                                              |
| 7800008626      | 31.12.2015   | 25.244,69                                                                              |
| 7800006139      | 30.09.2015   | 24.956,76                                                                              |
| 7800003467      | 31.05.2015   | 24.955,61                                                                              |
| 7800005158      | 31.07.2015   | 24.936,33                                                                              |
| 5000000240      | 10.03.2015   | -24.860,21                                                                             |
| 7800007031      | 31.10.2015   | 24.745,06                                                                              |
| 7800003913      | 30.06.2015   | 24.717,84                                                                              |
| 7800003831      | 30.06.2012   | 24.674,99                                                                              |
| 5000002172      | 14.12.2010   | 24.586,20                                                                              |
| 7800005470      | 31.08.2015   | 24.515,78                                                                              |
| 5000000361      | 02.03.2017   | -24.455,62                                                                             |
| 5000000361      | 02.03.2017   | 24.413,92                                                                              |
| 7800008408      | 30.11.2015   | 24.313,41                                                                              |
| 7800003754      | 30.06.2014   | 24.259,52                                                                              |
| 7800000133      | 31.01.2011   | 23.967,84                                                                              |
| 7800002716      | 30.04.2017   | -23.956,76                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 7800002963      | 31.05.2012   | 23.896,46                                                                              |
| 7800006663      | 31.10.2014   | 23.844,71                                                                              |
| 7800002262      | 30.04.2012   | 23.837,87                                                                              |
| 5000001639      | 26.10.2012   | 23.803,13                                                                              |
| 5000001639      | 26.10.2012   | -23.803,13                                                                             |
| 7800004657      | 31.07.2014   | 23.793,41                                                                              |
| 5000000098      | 14.01.2015   | 23.733,63                                                                              |
| 7800008422      | 31.12.2014   | 23.732,73                                                                              |
| 7800008422      | 31.12.2014   | -23.732,73                                                                             |
| 5000000592      | 28.05.2015   | -23.653,24                                                                             |
| 7800001827      | 31.03.2015   | 23.613,78                                                                              |
| 7800001555      | 31.03.2012   | 23.596,03                                                                              |
| 7800007421      | 30.11.2014   | 23.563,08                                                                              |
| 7800006921      | 30.11.2011   | 23.481,90                                                                              |
| 7800007370      | 31.12.2011   | 23.404,15                                                                              |
| 7800007278      | 31.12.2010   | 23.370,81                                                                              |
| 7800000861      | 28.02.2015   | 23.361,02                                                                              |
| 7800000138      | 31.01.2012   | 23.308,87                                                                              |
| 7800005913      | 30.09.2014   | 23.259,52                                                                              |
| 7800000845      | 29.02.2012   | 23.237,60                                                                              |
| 5000000486      | 14.04.2016   | -23.186,50                                                                             |
| 7800005140      | 31.08.2014   | 23.185,74                                                                              |
| 5000000486      | 14.04.2016   | 23.175,91                                                                              |
| 7800006204      | 31.10.2011   | 23.162,37                                                                              |
| 5000001815      | 31.12.2014   | 23.084,58                                                                              |
| 5000000124      | 05.02.2016   | -23.009,30                                                                             |
| 7800002416      | 30.04.2014   | 22.929,83                                                                              |
| 7800005662      | 30.09.2011   | 22.927,74                                                                              |
| 7800003386      | 30.06.2011   | 22.859,11                                                                              |
| 7800009364      | 30.11.2017   | 22.746,29                                                                              |
| 7800004681      | 31.08.2011   | 22.741,15                                                                              |
| 5000001398      | 17.11.2015   | -22.692,97                                                                             |
| 5000002112      | 14.12.2017   | -22.616,63                                                                             |
| 5000001042      | 31.08.2015   | -22.549,32                                                                             |
| 5000001757      | 14.11.2017   | -22.512,46                                                                             |
| 5000001310      | 18.10.2013   | -22.510,36                                                                             |
| 7800004091      | 31.07.2011   | 22.452,84                                                                              |
| 7800005734      | 30.09.2012   | 22.445,73                                                                              |
| 7800004386      | 31.07.2012   | 22.435,66                                                                              |
| 7800002599      | 30.04.2011   | 22.299,93                                                                              |
| 5000000928      | 14.07.2016   | -22.247,69                                                                             |
| 5000000379      | 03.03.2016   | 22.225,95                                                                              |
| 5000000926      | 26.06.2017   | 22.207,69                                                                              |
| 5000000931      | 26.06.2017   | -22.207,69                                                                             |
| 5000000252      | 03.03.2016   | -22.177,66                                                                             |
| 5000000928      | 14.07.2016   | 22.127,57                                                                              |
| 7800002727      | 31.05.2011   | 22.021,26                                                                              |
| 5000001408      | 01.09.2017   | -21.982,98                                                                             |
| 5000001454      | 14.09.2017   | -21.980,46                                                                             |
| 5000001408      | 01.09.2017   | 21.953,18                                                                              |
| 5000000301      | 26.03.2013   | -21.861,05                                                                             |
| 5000001722      | 01.11.2017   | -21.789,91                                                                             |
| 7800001549      | 31.03.2014   | 21.640,16                                                                              |
| 7800003029      | 31.05.2014   | 21.594,57                                                                              |
| 7800004553      | 30.06.2017   | 21.551,94                                                                              |
| 7800004553      | 30.06.2017   | -21.551,94                                                                             |
| 7800006349      | 31.08.2017   | 21.507,71                                                                              |
| 7800006349      | 31.08.2017   | -21.507,71                                                                             |
| 5000000379      | 03.03.2016   | 21.445,54                                                                              |
| 7800001229      | 28.02.2013   | 21.293,71                                                                              |
| 7800001229      | 28.02.2013   | -21.293,71                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001815      | 31.12.2014   | 21.268,60                                                                              |
| 5000001629      | 31.12.2014   | 21.152,72                                                                              |
| 5000000702      | 25.06.2015   | -21.118,68                                                                             |
| 5000001226      | 01.08.2017   | -21.088,34                                                                             |
| 5000001291      | 15.08.2017   | -21.038,81                                                                             |
| 5000000252      | 03.03.2016   | -21.038,55                                                                             |
| 5000001861      | 31.12.2015   | 20.895,95                                                                              |
| 7800000777      | 28.02.2011   | 20.891,15                                                                              |
| 7800001562      | 31.03.2011   | 20.872,22                                                                              |
| 7800000133      | 31.01.2011   | 20.853,45                                                                              |
| 5000001436      | 25.11.2015   | -20.813,30                                                                             |
| 5000000875      | 21.07.2015   | -20.706,31                                                                             |
| 5000001142      | 29.09.2015   | -20.660,73                                                                             |
| 5000001713      | 29.12.2015   | -20.627,40                                                                             |
| 7800003831      | 30.06.2012   | 20.419,25                                                                              |
| 7800008381      | 30.11.2016   | 20.411,67                                                                              |
| 5000001029      | 30.06.2017   | -20.343,61                                                                             |
| 5000000906      | 14.06.2017   | -20.334,55                                                                             |
| 5000000221      | 14.02.2017   | -20.271,60                                                                             |
| 7800000958      | 28.02.2017   | 20.271,07                                                                              |
| 7800000958      | 28.02.2017   | -20.271,07                                                                             |
| 7800002963      | 31.05.2012   | 20.211,23                                                                              |
| 5000001757      | 14.11.2017   | -20.180,08                                                                             |
| 5000000596      | 28.05.2015   | -20.140,71                                                                             |
| 7800001333      | 28.02.2014   | 20.136,97                                                                              |
| 5000000271      | 15.03.2016   | 20.125,21                                                                              |
| 5000000271      | 15.03.2016   | -20.093,52                                                                             |
| 5000001776      | 23.11.2012   | 20.035,75                                                                              |
| 5000000128      | 08.02.2016   | -19.979,77                                                                             |
| 5000000797      | 16.05.2017   | -19.928,18                                                                             |
| 5000000128      | 08.02.2016   | 19.901,56                                                                              |
| 7800006921      | 30.11.2011   | 19.881,26                                                                              |
| 5000000896      | 14.07.2016   | -19.854,32                                                                             |
| 5000001245      | 14.10.2016   | 19.765,68                                                                              |
| 5000001245      | 14.10.2016   | -19.740,07                                                                             |
| 5000002112      | 14.12.2017   | -19.692,50                                                                             |
| 5000001722      | 01.11.2017   | -19.679,28                                                                             |
| 7800002262      | 30.04.2012   | 19.612,80                                                                              |
| 5000000679      | 18.04.2017   | -19.594,51                                                                             |
| 5000000679      | 18.04.2017   | 19.578,61                                                                              |
| 5000001454      | 14.09.2017   | -19.514,15                                                                             |
| 7800006816      | 30.09.2016   | 19.446,30                                                                              |
| 5000000661      | 18.04.2017   | -19.378,87                                                                             |
| 7800004096      | 30.06.2016   | 19.371,36                                                                              |
| 5000001007      | 16.08.2016   | -19.358,72                                                                             |
| 7800000845      | 29.02.2012   | 19.220,36                                                                              |
| 7800001555      | 31.03.2012   | 19.167,54                                                                              |
| 7800004386      | 31.07.2012   | 19.151,31                                                                              |
| 7800007370      | 31.12.2011   | 19.066,31                                                                              |
| 5000000240      | 10.03.2015   | -18.951,80                                                                             |
| 7800000138      | 31.01.2012   | 18.771,19                                                                              |
| 5000001291      | 15.08.2017   | -18.713,76                                                                             |
| 7800010169      | 31.12.2017   | 18.662,76                                                                              |
| 7800008162      | 31.10.2017   | -18.662,76                                                                             |
| 5000000252      | 03.03.2016   | -18.599,66                                                                             |
| 7800005969      | 31.10.2010   | 18.528,88                                                                              |
| 7800005087      | 31.08.2012   | 18.440,61                                                                              |
| 7800006204      | 31.10.2011   | 18.425,71                                                                              |
| 7800005662      | 30.09.2011   | 18.398,31                                                                              |
| 7800010169      | 31.12.2017   | 18.263,14                                                                              |
| 7800010169      | 31.12.2017   | -18.263,14                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001149      | 14.09.2016   | -18.200,06                                                                             |
| 7800008162      | 31.10.2017   | 18.192,79                                                                              |
| 5000001653      | 14.12.2016   | -18.179,23                                                                             |
| 7800001594      | 31.03.2016   | 18.161,38                                                                              |
| 5000001391      | 15.11.2016   | -18.105,42                                                                             |
| 7800003386      | 30.06.2011   | 18.085,17                                                                              |
| 5000001909      | 31.12.2013   | 18.024,10                                                                              |
| 5000000118      | 16.01.2017   | -17.947,71                                                                             |
| 7800004681      | 31.08.2011   | 17.840,74                                                                              |
| 5000000583      | 17.05.2016   | -17.810,19                                                                             |
| 7800007359      | 30.09.2017   | 17.765,20                                                                              |
| 7800007359      | 30.09.2017   | -17.765,20                                                                             |
| 5000000685      | 14.06.2016   | -17.751,94                                                                             |
| 7800005087      | 31.08.2012   | 17.640,45                                                                              |
| 7800004091      | 31.07.2011   | 17.580,56                                                                              |
| 5000001226      | 01.08.2017   | -17.573,47                                                                             |
| 5000001234      | 14.10.2016   | -17.533,29                                                                             |
| 7800005440      | 31.07.2017   | 17.475,50                                                                              |
| 5000001899      | 31.12.2016   | 17.399,57                                                                              |
| 5000002926      | 31.12.2011   | -17.363,26                                                                             |
| 5000000797      | 16.05.2017   | -17.349,03                                                                             |
| 5000000906      | 14.06.2017   | -17.254,45                                                                             |
| 7800002599      | 30.04.2011   | 17.239,87                                                                              |
| 5000000702      | 25.06.2015   | -17.198,08                                                                             |
| 5000001861      | 31.12.2015   | 17.191,78                                                                              |
| 5000000124      | 05.02.2016   | -17.181,33                                                                             |
| 5000000592      | 28.05.2015   | -17.172,93                                                                             |
| 5000001436      | 25.11.2015   | -17.133,28                                                                             |
| 7800002727      | 31.05.2011   | 17.122,54                                                                              |
| 7800008626      | 31.12.2015   | 17.112,13                                                                              |
| 5000000118      | 16.01.2017   | -17.104,25                                                                             |
| 5000000875      | 21.07.2015   | -17.083,37                                                                             |
| 7800003663      | 31.05.2017   | 17.078,25                                                                              |
| 5000001398      | 17.11.2015   | -17.044,50                                                                             |
| 5000001142      | 29.09.2015   | -17.015,65                                                                             |
| 5000001042      | 31.08.2015   | -16.994,03                                                                             |
| 5000000350      | 10.03.2015   | -16.993,34                                                                             |
| 5000000685      | 14.06.2016   | -16.983,73                                                                             |
| 5000001007      | 16.08.2016   | -16.921,66                                                                             |
| 5000001391      | 15.11.2016   | -16.872,37                                                                             |
| 7800002740      | 30.04.2017   | 16.858,97                                                                              |
| 7800002740      | 30.04.2017   | -16.858,97                                                                             |
| 5000001713      | 29.12.2015   | -16.843,69                                                                             |
| 5000001149      | 14.09.2016   | -16.820,50                                                                             |
| 5000000661      | 18.04.2017   | -16.781,59                                                                             |
| 5000001234      | 14.10.2016   | -16.781,31                                                                             |
| 5000001653      | 14.12.2016   | -16.766,38                                                                             |
| 5000000896      | 14.07.2016   | -16.754,64                                                                             |
| 5000000264      | 15.03.2016   | -16.716,11                                                                             |
| 5000001415      | 23.11.2015   | -16.709,49                                                                             |
| 5000001415      | 23.11.2015   | 16.661,08                                                                              |
| 7800009295      | 31.12.2016   | 16.624,29                                                                              |
| 5000001872      | 30.11.2017   | 16.600,00                                                                              |
| 7800007278      | 31.12.2010   | 16.570,82                                                                              |
| 7800007579      | 30.11.2012   | 16.537,70                                                                              |
| 5000000583      | 17.05.2016   | -16.484,66                                                                             |
| 7800005664      | 30.09.2010   | 16.424,85                                                                              |
| 5000001436      | 25.11.2015   | -16.380,03                                                                             |
| 7800001980      | 31.03.2017   | 16.377,82                                                                              |
| 7800001980      | 31.03.2017   | -16.377,82                                                                             |
| 5000000596      | 28.05.2015   | -16.316,31                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000000332      | 10.03.2015   | 16.248,23                                                                              |
| 7800000096      | 31.01.2017   | 16.149,18                                                                              |
| 7800000096      | 31.01.2017   | -16.149,18                                                                             |
| 5000000264      | 15.03.2016   | -16.140,06                                                                             |
| 5000000196      | 05.02.2015   | 16.129,04                                                                              |
| 5000000379      | 03.03.2016   | 16.092,09                                                                              |
| 7800000777      | 28.02.2011   | 16.080,39                                                                              |
| 5000000075      | 31.01.2013   | -16.068,64                                                                             |
| 5000000157      | 22.02.2016   | -16.057,66                                                                             |
| 5000000350      | 10.03.2015   | 16.051,40                                                                              |
| 7800006412      | 31.10.2012   | 16.000,73                                                                              |
| 5000001766      | 13.11.2012   | 16.000,73                                                                              |
| 5000001969      | 01.12.2012   | -16.000,73                                                                             |
| 7800001562      | 31.03.2011   | 15.940,90                                                                              |
| 5000001713      | 29.12.2015   | -15.901,82                                                                             |
| 7800005734      | 30.09.2012   | 15.881,09                                                                              |
| 5000001398      | 17.11.2015   | -15.780,81                                                                             |
| 5000001142      | 29.09.2015   | -15.631,59                                                                             |
| 5000000875      | 21.07.2015   | -15.620,80                                                                             |
| 5000000702      | 25.06.2015   | -15.587,22                                                                             |
| 5000000809      | 16.05.2017   | 15.586,59                                                                              |
| 5000000809      | 16.05.2017   | -15.583,52                                                                             |
| 7800006461      | 31.08.2016   | 15.551,52                                                                              |
| 7800006461      | 31.08.2016   | -15.551,52                                                                             |
| 5000000776      | 19.06.2013   | -15.503,48                                                                             |
| 7800007440      | 31.10.2016   | 15.495,57                                                                              |
| 5000000124      | 05.02.2016   | -15.491,83                                                                             |
| 5000001001      | 30.06.2017   | -15.485,83                                                                             |
| 5000000776      | 19.06.2013   | 15.481,84                                                                              |
| 5000001042      | 31.08.2015   | -15.459,93                                                                             |
| 5000000763      | 30.06.2016   | -15.432,74                                                                             |
| 5000000741      | 30.04.2012   | 15.302,56                                                                              |
| 5000000799      | 31.05.2012   | 15.302,56                                                                              |
| 5000000963      | 30.06.2012   | 15.302,56                                                                              |
| 5000001173      | 31.07.2012   | 15.302,56                                                                              |
| 5000001308      | 31.08.2012   | 15.302,56                                                                              |
| 5000001418      | 30.09.2012   | 15.302,56                                                                              |
| 5000001629      | 31.10.2012   | 15.302,56                                                                              |
| 5000001785      | 30.11.2012   | 15.302,56                                                                              |
| 5000001979      | 31.12.2012   | 15.302,56                                                                              |
| 5000001620      | 13.10.2012   | -15.297,36                                                                             |
| 7800006139      | 30.09.2015   | 15.229,68                                                                              |
| 5000000592      | 28.05.2015   | -15.225,39                                                                             |
| 5000001008      | 16.08.2016   | -15.211,28                                                                             |
| 7800005497      | 31.07.2016   | 15.110,89                                                                              |
| 5000001008      | 16.08.2016   | 15.098,86                                                                              |
| 7800003517      | 31.05.2016   | 15.003,19                                                                              |
| 7800002402      | 30.04.2016   | 14.973,06                                                                              |
| 7800005158      | 31.07.2015   | 14.772,21                                                                              |
| 5000000466      | 14.03.2017   | -14.763,10                                                                             |
| 5000000928      | 14.07.2016   | -14.743,71                                                                             |
| 5000000928      | 14.07.2016   | 14.702,56                                                                              |
| 5000001009      | 30.06.2017   | -14.659,55                                                                             |
| 5000002034      | 31.12.2012   | 14.601,19                                                                              |
| 5000002034      | 31.12.2012   | -14.601,19                                                                             |
| 5000001226      | 01.08.2017   | -14.598,43                                                                             |
| 7800006412      | 31.10.2012   | 14.342,09                                                                              |
| 7800007579      | 30.11.2012   | 14.261,41                                                                              |
| 7800001462      | 29.02.2016   | 14.217,16                                                                              |
| 5000000240      | 10.03.2015   | -14.203,26                                                                             |
| 5000000596      | 28.05.2015   | -14.114,71                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001925      | 31.12.2013   | 13.961,03                                                                              |
| 5000001925      | 31.12.2013   | -13.961,03                                                                             |
| 7800007788      | 31.12.2012   | 13.926,37                                                                              |
| 7800005143      | 31.08.2010   | 13.900,98                                                                              |
| 7800002458      | 30.04.2015   | 13.886,62                                                                              |
| 7800000083      | 31.01.2016   | 13.671,81                                                                              |
| 5000002507      | 31.12.2017   | 13.281,86                                                                              |
| 5000000679      | 18.04.2017   | -13.166,68                                                                             |
| 5000000679      | 18.04.2017   | 13.163,54                                                                              |
| 7800007127      | 30.11.2013   | 13.091,02                                                                              |
| 5000001898      | 31.12.2016   | 13.073,92                                                                              |
| 5000001119      | 30.09.2016   | 13.047,39                                                                              |
| 7800008408      | 30.11.2015   | 13.030,23                                                                              |
| 7800007992      | 31.12.2013   | 12.802,88                                                                              |
| 7800006487      | 31.10.2013   | 12.793,73                                                                              |
| 7800005969      | 31.10.2010   | 12.720,12                                                                              |
| 7800007031      | 31.10.2015   | 12.560,15                                                                              |
| 7800005514      | 31.08.2013   | 12.534,88                                                                              |
| 7800000099      | 31.01.2013   | 12.454,81                                                                              |
| 7800005704      | 30.09.2013   | 12.443,90                                                                              |
| 7800002892      | 31.05.2013   | 12.362,40                                                                              |
| 7800000202      | 31.01.2015   | 12.279,04                                                                              |
| 7800004288      | 31.07.2013   | 12.031,69                                                                              |
| 7800004288      | 31.07.2013   | -12.031,69                                                                             |
| 7800005470      | 31.08.2015   | 11.957,62                                                                              |
| 5000001918      | 30.09.2011   | 11.953,27                                                                              |
| 7800001901      | 31.03.2013   | 11.781,45                                                                              |
| 7800001901      | 31.03.2013   | -11.781,45                                                                             |
| 7800003663      | 30.06.2013   | 11.777,90                                                                              |
| 5000000501      | 19.04.2013   | 11.772,61                                                                              |
| 7800002692      | 30.04.2013   | 11.713,41                                                                              |
| 5000002415      | 31.12.2017   | 11.682,72                                                                              |
| 5000002415      | 31.12.2017   | -11.682,72                                                                             |
| 5000000654      | 27.05.2014   | -11.674,20                                                                             |
| 7800003913      | 30.06.2015   | 11.664,32                                                                              |
| 5000000654      | 27.05.2014   | 11.661,92                                                                              |
| 5000000280      | 12.03.2013   | -11.601,11                                                                             |
| 5000002619      | 12.12.2011   | 11.491,04                                                                              |
| 7800003467      | 31.05.2015   | 11.460,65                                                                              |
| 7800002963      | 31.05.2012   | 11.380,76                                                                              |
| 5000001722      | 01.11.2017   | -11.379,64                                                                             |
| 7800005664      | 30.09.2010   | 11.348,07                                                                              |
| 7800005143      | 31.08.2010   | 11.316,13                                                                              |
| 5000000970      | 30.06.2017   | 11.282,24                                                                              |
| 7800004553      | 30.06.2017   | -11.282,24                                                                             |
| 5000002372      | 31.12.2017   | 11.205,00                                                                              |
| 5000001443      | 30.09.2017   | -11.152,28                                                                             |
| 5000001454      | 14.09.2017   | -11.091,98                                                                             |
| 5000000928      | 14.07.2016   | -11.079,91                                                                             |
| 5000000928      | 14.07.2016   | 11.045,31                                                                              |
| 5000000073      | 14.01.2015   | -10.981,03                                                                             |
| 5000001245      | 14.10.2016   | -10.977,59                                                                             |
| 5000000481      | 14.04.2016   | -10.971,64                                                                             |
| 5000001110      | 01.07.2017   | -10.951,04                                                                             |
| 5000001245      | 14.10.2016   | 10.942,29                                                                              |
| 5000001110      | 01.07.2017   | 10.908,23                                                                              |
| 5000001245      | 14.10.2016   | -10.855,13                                                                             |
| 5000001245      | 14.10.2016   | 10.830,75                                                                              |
| 7800001827      | 31.03.2015   | 10.645,39                                                                              |
| 7800005143      | 31.08.2010   | 10.598,47                                                                              |
| 7800007788      | 31.12.2012   | 10.575,58                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000001172      | 29.09.2015   | 10.525,38                                                                              |
| 5000001415      | 23.11.2015   | 10.493,28                                                                              |
| 5000001172      | 29.09.2015   | -10.410,90                                                                             |
| 5000001415      | 23.11.2015   | -10.398,29                                                                             |
| 5000000196      | 05.02.2015   | 10.394,05                                                                              |
| 5000000221      | 14.02.2017   | -10.342,42                                                                             |
| 5000000661      | 01.06.2015   | -10.315,29                                                                             |
| 7800006663      | 31.10.2014   | 10.295,34                                                                              |
| 7800000845      | 29.02.2012   | 10.288,10                                                                              |
| 5000000661      | 01.06.2015   | 10.273,44                                                                              |
| 7800000861      | 28.02.2015   | 10.207,71                                                                              |
| 7800007579      | 30.11.2012   | 10.044,51                                                                              |
| 5000000758      | 27.06.2014   | -10.040,82                                                                             |
| 5000000758      | 27.06.2014   | 10.025,90                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## III. Provisions for cost of sales

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9501048680      | 01.08.2002   | 459.275,57                                                                             |
| 5000000319      | 31.03.2005   | 234.385,60                                                                             |
| 5000002052      | 31.12.2017   | 128.000,00                                                                             |
| 5000000065      | 31.01.2017   | 125.000,00                                                                             |
| 5000000267      | 28.02.2017   | 125.000,00                                                                             |
| 5000000437      | 31.03.2017   | 125.000,00                                                                             |
| 5000000675      | 30.04.2017   | 125.000,00                                                                             |
| 5000000792      | 31.05.2017   | 125.000,00                                                                             |
| 5000001028      | 30.06.2017   | 125.000,00                                                                             |
| 5000001183      | 31.07.2017   | 125.000,00                                                                             |
| 5000001314      | 31.08.2017   | 125.000,00                                                                             |
| 5000001531      | 30.09.2017   | 125.000,00                                                                             |
| 5000001624      | 31.10.2017   | 125.000,00                                                                             |
| 5000001879      | 30.11.2017   | 125.000,00                                                                             |
| 5000002052      | 31.12.2017   | 125.000,00                                                                             |
| 9500837512      | 02.05.2002   | -98.440,01                                                                             |
| 9509183770      | 09.12.2010   | -95.419,72                                                                             |
| 5000001315      | 31.08.2017   | -94.336,44                                                                             |
| 5000001197      | 31.07.2017   | 94.335,58                                                                              |
| 9500087155      | 01.08.2002   | -79.817,14                                                                             |
| 9507257191      | 15.01.2009   | -71.076,97                                                                             |
| 9506737064      | 10.07.2008   | -70.318,05                                                                             |
| 5000001150      | 30.09.2005   | -69.801,35                                                                             |
| 2300005265      | 23.11.2011   | -66.438,53                                                                             |
| 9500975128      | 02.07.2002   | -61.722,99                                                                             |
| 5000001186      | 30.11.2006   | -58.990,37                                                                             |
| 9508260207      | 20.01.2010   | -56.718,71                                                                             |
| 9512016028      | 13.11.2013   | -55.858,51                                                                             |
| 5000001782      | 27.09.2011   | -53.533,41                                                                             |
| 9505167390      | 22.01.2007   | -53.211,64                                                                             |
| 9513835414      | 09.12.2015   | -52.704,70                                                                             |
| 9501155825      | 19.09.2002   | -52.680,33                                                                             |
| 9500392151      | 01.08.2002   | -51.641,29                                                                             |
| 9511846671      | 10.09.2013   | -51.300,58                                                                             |
| 9501051788      | 02.08.2002   | -50.296,43                                                                             |
| 9509381670      | 28.02.2011   | -49.785,54                                                                             |
| 9501420088      | 21.01.2003   | -48.770,85                                                                             |
| 9506675053      | 20.06.2008   | 48.179,60                                                                              |
| 9500812637      | 02.04.2002   | -47.729,19                                                                             |
| 9512161510      | 15.01.2014   | -47.063,96                                                                             |
| 9511709924      | 17.07.2013   | -46.654,34                                                                             |
| 9511630020      | 20.06.2013   | -45.121,83                                                                             |
| 9500145771      | 01.08.2002   | -44.419,23                                                                             |
| 9500780399      | 09.04.2002   | 43.386,97                                                                              |
| 9508595559      | 19.05.2010   | -42.931,84                                                                             |
| 9504122332      | 02.01.2006   | -42.886,91                                                                             |
| 9511371839      | 15.03.2013   | -41.740,94                                                                             |
| 9514907737      | 19.04.2017   | -39.815,22                                                                             |
| 9500687365      | 27.02.2002   | -39.388,66                                                                             |
| 9511943573      | 16.10.2013   | -37.600,16                                                                             |
| 9500896426      | 29.05.2002   | -37.482,74                                                                             |
| 9501029307      | 24.07.2002   | -37.395,25                                                                             |
| 5000001315      | 31.08.2017   | 36.587,00                                                                              |
| 7800009364      | 30.11.2017   | -36.525,95                                                                             |
| 5200017070      | 30.06.2015   | 36.277,07                                                                              |
| 9500740653      | 20.03.2002   | 35.858,87                                                                              |
| 9501649563      | 23.04.2003   | -35.104,57                                                                             |
| 9501839886      | 09.07.2003   | -33.851,46                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9500797688      | 16.04.2002   | 33.100,50                                                                              |
| 9500131433      | 01.08.2002   | -32.664,05                                                                             |
| 9501830527      | 07.07.2003   | 32.232,38                                                                              |
| 9511796167      | 21.08.2013   | -31.952,69                                                                             |
| 9502310164      | 30.01.2004   | -30.650,01                                                                             |
| 9507643497      | 02.06.2009   | 30.557,62                                                                              |
| 9507663521      | 09.06.2009   | -30.474,06                                                                             |
| 9501950852      | 27.08.2003   | 30.469,11                                                                              |
| 9512095721      | 11.12.2013   | -30.041,05                                                                             |
| 9501830444      | 07.07.2003   | 29.853,45                                                                              |
| 9511528399      | 15.05.2013   | -29.612,65                                                                             |
| 9508340050      | 16.02.2010   | -29.031,38                                                                             |
| 9509511591      | 11.04.2011   | -27.836,82                                                                             |
| 9500625795      | 31.01.2002   | 27.558,62                                                                              |
| 9500625481      | 17.01.2002   | -26.800,24                                                                             |
| 9513835414      | 09.12.2015   | -26.563,16                                                                             |
| 9505153745      | 01.01.2007   | -25.449,89                                                                             |
| 9501480788      | 05.02.2003   | -24.477,53                                                                             |
| 9511503858      | 06.05.2013   | 24.368,02                                                                              |
| 9511597100      | 11.06.2013   | -24.368,02                                                                             |
| 9501987102      | 11.09.2003   | -24.291,51                                                                             |
| 9503186363      | 19.01.2005   | -23.864,16                                                                             |
| 9510008380      | 12.10.2011   | -23.645,61                                                                             |
| 9500975148      | 02.07.2002   | -23.564,34                                                                             |
| 9501437863      | 22.01.2003   | -23.398,19                                                                             |
| 9504118457      | 29.12.2005   | -23.287,33                                                                             |
| 9502486288      | 07.04.2004   | -23.222,99                                                                             |
| 9503437604      | 19.04.2005   | 23.159,67                                                                              |
| 9507588458      | 11.05.2009   | -23.128,19                                                                             |
| 9503207524      | 25.01.2005   | -23.126,18                                                                             |
| 9503445962      | 20.04.2005   | -22.974,64                                                                             |
| 9515316218      | 12.10.2017   | 22.747,00                                                                              |
| 9508157232      | 08.12.2009   | 22.742,02                                                                              |
| 9502041086      | 06.10.2003   | -22.737,45                                                                             |
| 2300005265      | 23.11.2011   | -22.540,91                                                                             |
| 9505907374      | 08.10.2007   | -22.398,34                                                                             |
| 9509603607      | 12.05.2011   | -22.042,53                                                                             |
| 9501480787      | 05.02.2003   | -21.988,40                                                                             |
| 9505382180      | 04.04.2007   | -21.727,13                                                                             |
| 9505632793      | 04.07.2007   | -21.446,07                                                                             |
| 9508438927      | 23.03.2010   | -21.363,19                                                                             |
| 9502041783      | 06.10.2003   | -21.310,92                                                                             |
| 9507635501      | 28.05.2009   | -20.828,42                                                                             |
| 9503808093      | 06.09.2005   | -20.816,77                                                                             |
| 9500975234      | 02.07.2002   | -20.593,32                                                                             |
| 9501687006      | 07.05.2003   | -19.516,02                                                                             |
| 9511449627      | 16.04.2013   | -19.441,01                                                                             |
| 9508311282      | 08.02.2010   | 19.338,05                                                                              |
| 9506085982      | 04.12.2007   | -18.778,31                                                                             |
| 9509759919      | 11.07.2011   | 18.466,64                                                                              |
| 9509768428      | 13.07.2011   | -18.466,64                                                                             |
| 9508511020      | 19.04.2010   | 18.368,78                                                                              |
| 9500719908      | 12.03.2002   | -18.368,31                                                                             |
| 9508514917      | 20.04.2010   | 18.342,07                                                                              |
| 9508520136      | 21.04.2010   | -18.342,07                                                                             |
| 9506499361      | 22.04.2008   | -18.324,54                                                                             |
| 9504387228      | 05.04.2006   | -18.186,17                                                                             |
| 9503751569      | 12.08.2005   | -17.762,99                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9504079864      | 09.12.2005   | -17.721,63                                                                             |
| 9508336497      | 16.02.2010   | 17.656,06                                                                              |
| 9505890919      | 02.10.2007   | -17.574,38                                                                             |
| 9508165654      | 10.12.2009   | -17.432,43                                                                             |
| 9502271637      | 16.01.2004   | -17.388,46                                                                             |
| 9501480785      | 06.02.2003   | -17.321,26                                                                             |
| 9507635505      | 28.05.2009   | -17.259,21                                                                             |
| 9502350480      | 16.02.2004   | 17.250,69                                                                              |
| 9503789807      | 30.08.2005   | 17.228,19                                                                              |
| 9503865104      | 19.09.2005   | -17.202,80                                                                             |
| 9508063117      | 05.11.2009   | -17.173,41                                                                             |
| 5000001315      | 31.08.2017   | -17.157,00                                                                             |
| 5000001197      | 31.07.2017   | 17.156,82                                                                              |
| 9513835414      | 09.12.2015   | -17.046,57                                                                             |
| 9504340342      | 20.03.2006   | -16.904,44                                                                             |
| 9506670569      | 19.06.2008   | 16.877,41                                                                              |
| 9507588329      | 11.05.2009   | -16.819,90                                                                             |
| 9502444282      | 22.03.2004   | -16.739,06                                                                             |
| 9503751550      | 12.08.2005   | -16.657,04                                                                             |
| 9505895061      | 03.10.2007   | -16.538,07                                                                             |
| 9514907723      | 19.04.2017   | -16.531,93                                                                             |
| 9509218271      | 05.01.2011   | -16.213,02                                                                             |
| 9503906585      | 11.10.2005   | 16.120,24                                                                              |
| 9503916472      | 13.10.2005   | -16.110,09                                                                             |
| 9509771465      | 14.07.2011   | -16.094,41                                                                             |
| 9501898961      | 01.08.2003   | -15.930,11                                                                             |
| 9511219181      | 24.01.2013   | 15.773,75                                                                              |
| 9502707088      | 07.07.2004   | -15.769,39                                                                             |
| 9503823181      | 12.09.2005   | 15.630,31                                                                              |
| 9504892644      | 11.10.2006   | -15.469,30                                                                             |
| 5000001782      | 27.09.2011   | -15.423,73                                                                             |
| 2300005266      | 23.11.2011   | -15.410,58                                                                             |
| 9501437865      | 22.01.2003   | -15.404,89                                                                             |
| 9507357202      | 17.02.2009   | 15.391,38                                                                              |
| 9508764020      | 16.07.2010   | -15.368,45                                                                             |
| 9501847671      | 11.07.2003   | -15.192,30                                                                             |
| 9501851853      | 11.07.2003   | -15.192,29                                                                             |
| 9507623996      | 25.05.2009   | 15.124,18                                                                              |
| 2300002840      | 28.10.2017   | -15.002,00                                                                             |
| 9504005085      | 15.11.2005   | -14.826,26                                                                             |
| 9508165662      | 10.12.2009   | -14.763,25                                                                             |
| 9504632514      | 06.07.2006   | -14.618,20                                                                             |
| 9507447456      | 18.03.2009   | -14.466,12                                                                             |
| 9503751554      | 12.08.2005   | -14.424,56                                                                             |
| 9500797687      | 16.04.2002   | 14.218,77                                                                              |
| 9507381913      | 24.02.2009   | -14.164,36                                                                             |
| 9504029029      | 23.11.2005   | -14.161,02                                                                             |
| 9501155837      | 19.09.2002   | -14.151,98                                                                             |
| 9512243709      | 13.02.2014   | -14.126,73                                                                             |
| 5000001197      | 31.07.2017   | 13.946,37                                                                              |
| 5000001315      | 31.08.2017   | -13.946,00                                                                             |
| 9504047653      | 30.11.2005   | 13.924,64                                                                              |
| 5000001865      | 30.11.2017   | 13.901,53                                                                              |
| 9503202956      | 25.01.2005   | -13.806,13                                                                             |
| 9503569071      | 07.06.2005   | -13.575,46                                                                             |
| 9500801706      | 17.04.2002   | -13.474,23                                                                             |
| 9503246100      | 08.02.2005   | -13.409,90                                                                             |
| 9502794402      | 13.08.2004   | -13.396,63                                                                             |
| 9502882209      | 20.09.2004   | -13.342,78                                                                             |
| 9504476899      | 09.05.2006   | -13.328,51                                                                             |
| 9507447461      | 18.03.2009   | -13.325,53                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9502706779      | 07.07.2004   | -13.300,13                                                                             |
| 9503865048      | 27.09.2005   | 13.162,16                                                                              |
| 9507570401      | 05.05.2009   | -13.115,31                                                                             |
| 9501141446      | 13.09.2002   | -13.094,46                                                                             |
| 5000002308      | 31.12.2017   | 12.875,12                                                                              |
| 9502508458      | 19.04.2004   | -12.856,55                                                                             |
| 9507655342      | 05.06.2009   | 12.812,02                                                                              |
| 9507659599      | 05.06.2009   | -12.812,02                                                                             |
| 9507863529      | 27.08.2009   | -12.728,18                                                                             |
| 9504387490      | 05.04.2006   | -12.688,81                                                                             |
| 9500975092      | 02.07.2002   | -12.609,92                                                                             |
| 9502112849      | 03.11.2003   | -12.604,89                                                                             |
| 9510177385      | 12.12.2011   | -12.499,85                                                                             |
| 9500378789      | 30.01.2002   | -12.485,19                                                                             |
| 9503207527      | 26.01.2005   | -12.472,71                                                                             |
| 9508165656      | 10.12.2009   | -12.449,56                                                                             |
| 9501243916      | 25.10.2002   | -12.358,90                                                                             |
| 9507783873      | 23.07.2009   | -12.348,58                                                                             |
| 9505632975      | 04.07.2007   | -12.324,67                                                                             |
| 9500801737      | 17.04.2002   | -12.280,52                                                                             |
| 9502838949      | 02.09.2004   | -12.145,78                                                                             |
| 9501459736      | 05.02.2003   | -12.114,98                                                                             |
| 9508311282      | 08.02.2010   | 12.086,31                                                                              |
| 9503599560      | 17.06.2005   | -12.079,11                                                                             |
| 9506446153      | 04.04.2008   | -11.943,51                                                                             |
| 9501174178      | 26.09.2002   | -11.932,09                                                                             |
| 9506534036      | 05.05.2008   | -11.904,94                                                                             |
| 9503999904      | 14.11.2005   | 11.685,72                                                                              |
| 9502485887      | 07.04.2004   | -11.644,98                                                                             |
| 9502987008      | 01.11.2004   | -11.589,06                                                                             |
| 9507771024      | 20.07.2009   | 11.437,76                                                                              |
| 9503000011      | 05.11.2004   | -11.409,92                                                                             |
| 9501900769      | 01.08.2003   | -11.298,77                                                                             |
| 9502722719      | 13.07.2004   | -11.288,84                                                                             |
| 9502722831      | 13.07.2004   | -11.286,64                                                                             |
| 9502117952      | 05.11.2003   | 11.177,46                                                                              |
| 9502562385      | 07.05.2004   | -11.139,79                                                                             |
| 5000002308      | 31.12.2017   | -11.107,00                                                                             |
| 9501488517      | 17.02.2003   | 11.055,29                                                                              |
| 9501459669      | 04.02.2003   | 11.019,17                                                                              |
| 9507971372      | 01.10.2009   | -10.904,11                                                                             |
| 9507381924      | 20.02.2009   | -10.871,14                                                                             |
| 9503569083      | 07.06.2005   | -10.850,36                                                                             |
| 9503445963      | 20.04.2005   | -10.839,12                                                                             |
| 9502501204      | 15.04.2004   | -10.814,65                                                                             |
| 9507327692      | 06.02.2009   | -10.810,89                                                                             |
| 9502653615      | 16.06.2004   | -10.810,84                                                                             |
| 9502917058      | 04.10.2004   | 10.735,05                                                                              |
| 9502917058      | 04.10.2004   | 10.735,05                                                                              |
| 9507565996      | 04.05.2009   | 10.716,23                                                                              |
| 9503324770      | 07.03.2005   | -10.702,58                                                                             |
| 9507333006      | 09.02.2009   | -10.616,14                                                                             |
| 9505057743      | 05.12.2006   | -10.602,02                                                                             |
| 9505049933      | 01.12.2006   | 10.597,58                                                                              |
| 9511703703      | 15.07.2013   | 10.594,74                                                                              |
| 9503316611      | 04.03.2005   | -10.587,79                                                                             |
| 9500863384      | 15.05.2002   | 10.579,71                                                                              |
| 9501530395      | 05.03.2003   | -10.526,07                                                                             |
| 9500665811      | 18.02.2002   | 10.448,16                                                                              |
| 9501459671      | 04.02.2003   | 10.447,56                                                                              |
| 9515310830      | 10.10.2017   | -10.434,35                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 9503977367      | 04.11.2005   | -10.433,77                                                                             |
| 9502766744      | 02.08.2004   | 10.329,10                                                                              |
| 9515448956      | 11.12.2017   | -10.306,34                                                                             |
| 9508018042      | 20.10.2009   | -10.265,16                                                                             |
| 9507790552      | 28.07.2009   | 10.264,47                                                                              |
| 9506617165      | 03.06.2008   | -10.232,44                                                                             |
| 9505142578      | 12.01.2007   | -10.189,67                                                                             |
| 9502872912      | 16.09.2004   | -10.177,89                                                                             |
| 9500191824      | 01.08.2002   | -10.132,67                                                                             |
| 9500104774      | 30.01.2002   | -10.118,20                                                                             |
| 9503621685      | 27.06.2005   | 10.108,85                                                                              |
| 2300005267      | 23.11.2011   | -10.073,34                                                                             |
| 9500783684      | 10.04.2002   | 10.069,01                                                                              |
| 9502244526      | 06.01.2004   | -10.023,22                                                                             |
| 9501048680      | 01.08.2002   | 459.275,57                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## IV. Provisions for outstanding invoices

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200015877      | 30.09.2011   | 8.389.715,69                                                                           |
| 5200015907      | 01.10.2011   | -8.389.715,69                                                                          |
| 5200040334      | 30.11.2017   | 8.375.965,53                                                                           |
| 5200040884      | 01.12.2017   | -8.375.965,53                                                                          |
| 5200001807      | 29.02.2008   | 8.246.832,66                                                                           |
| 5200001827      | 01.03.2008   | -8.246.832,66                                                                          |
| 5200042645      | 31.12.2017   | 7.804.580,44                                                                           |
| 5200012637      | 31.07.2011   | 7.617.411,46                                                                           |
| 5200012667      | 01.08.2011   | -7.617.411,46                                                                          |
| 5200004036      | 31.05.2008   | 7.380.368,73                                                                           |
| 5200004057      | 01.06.2008   | -7.380.368,73                                                                          |
| 5200007809      | 30.11.2007   | 7.376.127,20                                                                           |
| 5200007830      | 01.12.2007   | -7.376.127,20                                                                          |
| 5200032049      | 30.09.2017   | 7.316.927,29                                                                           |
| 5200032607      | 01.10.2017   | -7.316.927,29                                                                          |
| 5200004758      | 30.06.2008   | 7.299.738,10                                                                           |
| 5200004778      | 01.07.2008   | -7.299.738,10                                                                          |
| 5200021597      | 30.06.2017   | 7.196.388,87                                                                           |
| 5200022155      | 01.07.2017   | -7.196.388,87                                                                          |
| 5200035726      | 31.10.2017   | 7.071.598,66                                                                           |
| 5200036282      | 01.11.2017   | -7.071.598,66                                                                          |
| 5200001152      | 31.01.2009   | 7.059.647,83                                                                           |
| 5200001174      | 01.02.2009   | -7.059.647,83                                                                          |
| 5200007707      | 31.10.2008   | 7.040.835,78                                                                           |
| 5200007729      | 01.11.2008   | -7.040.835,78                                                                          |
| 5200003131      | 30.06.2001   | 6.821.608,85                                                                           |
| 5200003168      | 01.07.2001   | -6.821.608,85                                                                          |
| 5200028362      | 31.08.2017   | 6.650.962,73                                                                           |
| 5200028924      | 01.09.2017   | -6.650.962,73                                                                          |
| 5200002552      | 31.03.2008   | 6.607.969,33                                                                           |
| 5200002572      | 01.04.2008   | -6.607.969,33                                                                          |
| 5200003296      | 30.04.2008   | 6.585.480,21                                                                           |
| 5200003316      | 01.05.2008   | -6.585.480,21                                                                          |
| 5200006441      | 30.09.2007   | 6.549.796,18                                                                           |
| 5200006460      | 01.10.2007   | -6.549.796,18                                                                          |
| 5200008092      | 31.12.2007   | 6.533.489,24                                                                           |
| 5200000375      | 01.01.2008   | -6.533.489,24                                                                          |
| 5200001083      | 31.01.2008   | 6.246.486,53                                                                           |
| 5200001101      | 01.02.2008   | -6.246.486,53                                                                          |
| 5200001664      | 28.02.2006   | 6.218.042,21                                                                           |
| 5200001686      | 01.03.2006   | -6.218.042,21                                                                          |
| 5200004031      | 31.05.2009   | 6.186.637,20                                                                           |
| 5200004050      | 01.06.2009   | -6.186.637,20                                                                          |
| 5200011019      | 30.06.2011   | 6.102.968,51                                                                           |
| 5200011046      | 01.07.2011   | -6.102.968,51                                                                          |
| 5200006263      | 31.08.2008   | 6.090.485,95                                                                           |
| 5200006286      | 01.09.2008   | -6.090.485,95                                                                          |
| 5200005722      | 31.08.2007   | 6.084.449,83                                                                           |
| 5200005744      | 01.09.2007   | -6.084.449,83                                                                          |
| 5200004119      | 31.03.2011   | 6.051.354,72                                                                           |
| 5200004146      | 01.04.2011   | -6.051.354,72                                                                          |
| 5200007127      | 31.10.2007   | 6.012.599,35                                                                           |
| 5200007147      | 01.11.2007   | -6.012.599,35                                                                          |
| 5200017882      | 31.05.2017   | 5.906.488,38                                                                           |
| 5200018443      | 01.06.2017   | -5.906.488,38                                                                          |
| 5200024616      | 31.07.2017   | 5.904.802,83                                                                           |
| 5200025167      | 01.08.2017   | -5.904.802,83                                                                          |
| 5200005544      | 31.07.2008   | 5.869.207,80                                                                           |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005568      | 01.08.2008   | -5.869.207,80                                                                          |
| 5200009448      | 31.05.2011   | 5.762.878,32                                                                           |
| 5200009478      | 01.06.2011   | -5.762.878,32                                                                          |
| 5200007733      | 30.11.2010   | 5.745.472,90                                                                           |
| 5200007761      | 01.12.2010   | -5.745.472,90                                                                          |
| 5200008455      | 30.11.2008   | 5.711.435,71                                                                           |
| 5200008481      | 01.12.2008   | -5.711.435,71                                                                          |
| 5200000003      | 30.04.2001   | 5.562.091,17                                                                           |
| 5200000030      | 01.05.2001   | -5.562.091,17                                                                          |
| 5200003002      | 30.04.2006   | 5.507.125,01                                                                           |
| 5200003025      | 01.05.2006   | -5.507.125,01                                                                          |
| 5200014236      | 31.08.2011   | 5.458.928,31                                                                           |
| 5200014265      | 01.09.2011   | -5.458.928,31                                                                          |
| 5200002298      | 31.03.2007   | 5.422.448,83                                                                           |
| 5200002322      | 01.04.2007   | -5.422.448,83                                                                          |
| 5200007079      | 31.10.2010   | 5.365.021,68                                                                           |
| 5200007108      | 01.11.2010   | -5.365.021,68                                                                          |
| 5200004375      | 30.06.2007   | 5.356.734,67                                                                           |
| 5200004394      | 01.07.2007   | -5.356.734,67                                                                          |
| 5200003549      | 31.05.2006   | 5.351.671,40                                                                           |
| 5200003570      | 01.06.2006   | -5.351.671,40                                                                          |
| 5200003006      | 30.04.2007   | 5.338.886,28                                                                           |
| 5200003029      | 01.05.2007   | -5.338.886,28                                                                          |
| 5200006382      | 30.09.2010   | 5.266.275,87                                                                           |
| 5200006408      | 01.10.2010   | -5.266.275,87                                                                          |
| 5200005086      | 31.07.2007   | 5.236.189,42                                                                           |
| 5200005109      | 01.08.2007   | -5.236.189,42                                                                          |
| 5200007532      | 30.11.2006   | 5.209.825,79                                                                           |
| 5200007550      | 01.12.2006   | -5.209.825,79                                                                          |
| 5200002327      | 31.03.2006   | 5.185.104,74                                                                           |
| 5200002347      | 01.04.2006   | -5.185.104,74                                                                          |
| 5200003334      | 30.04.2009   | 5.126.051,98                                                                           |
| 5200003354      | 01.05.2009   | -5.126.051,98                                                                          |
| 5200006967      | 30.09.2008   | 5.098.643,01                                                                           |
| 5200006993      | 01.10.2008   | -5.098.643,01                                                                          |
| 5200003985      | 31.05.2005   | 5.070.542,31                                                                           |
| 5200004005      | 01.06.2005   | -5.070.542,31                                                                          |
| 5200000985      | 31.01.2007   | 5.049.153,21                                                                           |
| 5200001005      | 01.02.2007   | -5.049.153,21                                                                          |
| 5200006247      | 30.09.2006   | 5.048.937,41                                                                           |
| 5200006263      | 01.10.2006   | -5.048.937,41                                                                          |
| 5200007796      | 31.12.2006   | 5.001.416,55                                                                           |
| 5200000374      | 01.01.2007   | -5.001.416,55                                                                          |
| 5200007978      | 31.12.2010   | 4.963.738,51                                                                           |
| 5200000382      | 01.01.2011   | -4.963.738,51                                                                          |
| 5200001858      | 28.02.2009   | 4.890.874,23                                                                           |
| 5200001877      | 01.03.2009   | -4.890.874,23                                                                          |
| 5200003693      | 31.05.2007   | 4.885.941,91                                                                           |
| 5200003713      | 01.06.2007   | -4.885.941,91                                                                          |
| 5200004999      | 31.07.2006   | 4.845.226,56                                                                           |
| 5200005019      | 01.08.2006   | -4.845.226,56                                                                          |
| 5200000821      | 31.01.2006   | 4.799.349,84                                                                           |
| 5200000842      | 01.02.2006   | -4.799.349,84                                                                          |
| 5200005738      | 31.08.2010   | 4.789.757,09                                                                           |
| 5200005762      | 01.09.2010   | -4.789.757,09                                                                          |
| 5200005896      | 30.04.2011   | 4.733.943,21                                                                           |
| 5200005927      | 01.05.2011   | -4.733.943,21                                                                          |
| 5200017539      | 31.10.2011   | 4.663.430,30                                                                           |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200017565      | 01.11.2011   | -4.663.430,30                                                                          |
| 5200004310      | 30.06.2006   | 4.633.084,65                                                                           |
| 5200004328      | 01.07.2006   | -4.633.084,65                                                                          |
| 5200005118      | 31.07.2010   | 4.576.464,91                                                                           |
| 5200005141      | 01.08.2010   | -4.576.464,91                                                                          |
| 5200005009      | 30.06.2005   | 4.573.451,71                                                                           |
| 5200005029      | 01.07.2005   | -4.573.451,71                                                                          |
| 5200006384      | 31.08.2005   | 4.539.322,16                                                                           |
| 5200006404      | 01.09.2005   | -4.539.322,16                                                                          |
| 5200001656      | 28.02.2007   | 4.524.688,60                                                                           |
| 5200001670      | 01.03.2007   | -4.524.688,60                                                                          |
| 5200008350      | 30.11.2005   | 4.502.956,12                                                                           |
| 5200008373      | 01.12.2005   | -4.502.956,12                                                                          |
| 5200007635      | 31.10.2009   | 4.471.364,30                                                                           |
| 5200007658      | 01.11.2009   | -4.471.364,30                                                                          |
| 5200019270      | 30.11.2011   | 4.445.645,41                                                                           |
| 5200019298      | 01.12.2011   | -4.445.645,41                                                                          |
| 5200004438      | 30.06.2010   | 4.413.132,12                                                                           |
| 5200004458      | 01.07.2010   | -4.413.132,12                                                                          |
| 5200001724      | 31.05.2001   | 4.384.955,47                                                                           |
| 5200001751      | 01.06.2001   | -4.384.955,47                                                                          |
| 5200034668      | 31.12.2016   | 4.377.811,74                                                                           |
| 5200000764      | 01.01.2017   | -4.377.811,74                                                                          |
| 5200002605      | 28.02.2011   | 4.364.291,60                                                                           |
| 5200002635      | 01.03.2011   | -4.364.291,60                                                                          |
| 5200006799      | 31.10.2006   | 4.352.937,04                                                                           |
| 5200006818      | 01.11.2006   | -4.352.937,04                                                                          |
| 5200000996      | 31.01.2011   | 4.338.565,80                                                                           |
| 5200001023      | 01.02.2011   | -4.338.565,80                                                                          |
| 5200006743      | 30.09.2005   | 4.330.621,28                                                                           |
| 5200006760      | 01.10.2005   | -4.330.621,28                                                                          |
| 5200007847      | 31.10.2005   | 4.327.176,02                                                                           |
| 5200007868      | 01.11.2005   | -4.327.176,02                                                                          |
| 5200005627      | 31.08.2006   | 4.260.523,45                                                                           |
| 5200005645      | 01.09.2006   | -4.260.523,45                                                                          |
| 5200002509      | 31.03.2010   | 4.238.496,66                                                                           |
| 5200002527      | 01.04.2010   | -4.238.496,66                                                                          |
| 5200003167      | 30.04.2010   | 4.201.788,69                                                                           |
| 5200003188      | 01.05.2010   | -4.201.788,69                                                                          |
| 5200005637      | 31.08.2001   | 4.132.524,91                                                                           |
| 5200005663      | 01.09.2001   | -4.132.524,91                                                                          |
| 5200008328      | 30.11.2009   | 4.110.107,19                                                                           |
| 5200008346      | 01.12.2009   | -4.110.107,19                                                                          |
| 5200005727      | 31.05.2003   | 3.998.936,97                                                                           |
| 5200005754      | 01.06.2003   | -3.998.936,97                                                                          |
| 5200001811      | 28.02.2010   | 3.968.326,06                                                                           |
| 5200001831      | 01.03.2010   | -3.968.326,06                                                                          |
| 5200003254      | 30.04.2005   | 3.900.444,19                                                                           |
| 5200003275      | 01.05.2005   | -3.900.444,19                                                                          |
| 5200007016      | 31.05.2004   | 3.857.774,97                                                                           |
| 5200007044      | 01.06.2004   | -3.857.774,97                                                                          |
| 5200013166      | 30.11.2003   | 3.843.473,98                                                                           |
| 5200013189      | 01.12.2003   | -3.843.473,98                                                                          |
| 5200002597      | 31.03.2009   | 3.757.719,75                                                                           |
| 5200002617      | 01.04.2009   | -3.757.719,75                                                                          |
| 5200008741      | 31.12.2005   | 3.745.145,21                                                                           |
| 5200000300      | 01.01.2006   | -3.745.145,21                                                                          |
| 5200005729      | 31.07.2005   | 3.733.250,07                                                                           |
| 5200005750      | 01.08.2005   | -3.733.250,07                                                                          |
| 5200001675      | 28.02.2005   | 3.699.829,19                                                                           |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001694      | 01.03.2005   | -3.699.829,19                                                                          |
| 5200002900      | 31.01.2017   | 3.648.255,44                                                                           |
| 5200003450      | 01.02.2017   | -3.648.255,44                                                                          |
| 5200004443      | 30.06.2009   | 3.544.604,70                                                                           |
| 5200004463      | 01.07.2009   | -3.544.604,70                                                                          |
| 5200001096      | 31.01.2010   | 3.523.890,14                                                                           |
| 5200001117      | 01.02.2010   | -3.523.890,14                                                                          |
| 5200005752      | 30.04.2004   | 3.512.999,48                                                                           |
| 5200005777      | 01.05.2004   | -3.512.999,48                                                                          |
| 5200001673      | 31.01.2016   | 3.509.480,97                                                                           |
| 5200002164      | 01.02.2016   | -3.509.480,97                                                                          |
| 5200002442      | 31.03.2005   | 3.484.425,24                                                                           |
| 5200002462      | 01.04.2005   | -3.484.425,24                                                                          |
| 5200008594      | 31.12.2009   | 3.435.660,60                                                                           |
| 5200000413      | 01.01.2010   | -3.435.660,60                                                                          |
| 5200008174      | 30.06.2004   | 3.367.327,42                                                                           |
| 5200008199      | 01.07.2004   | -3.367.327,42                                                                          |
| 5200001469      | 31.01.2004   | 3.362.222,59                                                                           |
| 5200001491      | 01.02.2004   | -3.362.222,59                                                                          |
| 5200004233      | 31.07.2001   | 3.349.634,02                                                                           |
| 5200004260      | 01.08.2001   | -3.349.634,02                                                                          |
| 5200008573      | 31.03.2016   | 3.345.717,24                                                                           |
| 5200009062      | 01.04.2016   | -3.345.717,24                                                                          |
| 5200008783      | 31.12.2008   | 3.334.679,34                                                                           |
| 5200000410      | 01.01.2009   | -3.334.679,34                                                                          |
| 5200005509      | 31.07.2009   | 3.322.377,70                                                                           |
| 5200005529      | 01.08.2009   | -3.322.377,70                                                                          |
| 5200011451      | 31.10.2004   | 3.260.026,69                                                                           |
| 5200011475      | 01.11.2004   | -3.260.026,69                                                                          |
| 5200013862      | 30.04.2017   | 3.256.744,32                                                                           |
| 5200014419      | 01.05.2017   | -3.256.744,32                                                                          |
| 5200033906      | 31.12.2015   | 3.199.264,34                                                                           |
| 5200000620      | 01.01.2016   | -3.199.264,34                                                                          |
| 5200009310      | 31.03.2017   | 3.194.487,33                                                                           |
| 5200009849      | 01.04.2017   | -3.194.487,33                                                                          |
| 5200009069      | 31.03.2017   | 3.157.988,00                                                                           |
| 5200009608      | 01.04.2017   | -3.157.988,00                                                                          |
| 5200009026      | 31.07.2004   | 3.156.136,34                                                                           |
| 5200009052      | 01.08.2004   | -3.156.136,34                                                                          |
| 5200003121      | 29.02.2004   | 3.124.430,60                                                                           |
| 5200003146      | 01.03.2004   | -3.124.430,60                                                                          |
| 2789684         | 31.10.2000   | 3.113.920,98                                                                           |
| 2789691         | 03.11.2000   | -3.113.920,98                                                                          |
| 5200003818      | 31.05.2010   | 3.100.952,87                                                                           |
| 5200003838      | 01.06.2010   | -3.100.952,87                                                                          |
| 5200004414      | 31.03.2004   | 3.097.337,06                                                                           |
| 5200004448      | 01.04.2004   | -3.097.337,06                                                                          |
| 5200000730      | 31.01.2005   | 3.091.707,51                                                                           |
| 5200000750      | 01.02.2005   | -3.091.707,51                                                                          |
| 5200006191      | 31.08.2009   | 3.074.967,26                                                                           |
| 5200006207      | 01.09.2009   | -3.074.967,26                                                                          |
| 2700890         | 30.11.2000   | 3.070.346,62                                                                           |
| 2700897         | 05.12.2000   | -3.070.346,62                                                                          |
| 5200029739      | 31.10.2016   | 3.025.285,69                                                                           |
| 5200030190      | 01.11.2016   | -3.025.285,69                                                                          |
| 5200010884      | 30.04.2016   | 3.002.482,41                                                                           |
| 5200011368      | 01.05.2016   | -3.002.482,41                                                                          |
| 5200006150      | 28.02.2017   | 2.982.469,27                                                                           |
| 5200006693      | 01.03.2017   | -2.982.469,27                                                                          |
| 5200032718      | 30.11.2016   | 2.982.047,89                                                                           |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200033185      | 01.12.2016   | -2.982.047,89                                                                          |
| 5200009689      | 31.08.2004   | 2.980.220,22                                                                           |
| 5200009713      | 01.09.2004   | -2.980.220,22                                                                          |
| 5200031800      | 30.09.2017   | 2.975.128,67                                                                           |
| 5200032358      | 01.10.2017   | -2.975.128,67                                                                          |
| 5200020564      | 31.07.2016   | 2.971.167,01                                                                           |
| 5200021034      | 01.08.2016   | -2.971.167,01                                                                          |
| 5200021348      | 30.06.2017   | 2.867.058,11                                                                           |
| 5200021906      | 01.07.2017   | -2.867.058,11                                                                          |
| 5200012322      | 30.11.2004   | 2.864.490,65                                                                           |
| 5200012342      | 01.12.2004   | -2.864.490,65                                                                          |
| 5200006103      | 30.09.2001   | 2.839.741,60                                                                           |
| 5200006130      | 01.10.2001   | -2.839.741,60                                                                          |
| 5200006906      | 30.09.2009   | 2.838.881,81                                                                           |
| 5200006925      | 01.10.2009   | -2.838.881,81                                                                          |
| 5200017588      | 30.06.2015   | 2.820.812,83                                                                           |
| 5200017941      | 01.07.2015   | -2.820.812,83                                                                          |
| 5200008906      | 30.04.2012   | 2.808.343,79                                                                           |
| 5200009184      | 01.05.2012   | -2.808.343,79                                                                          |
| 2788550         | 30.09.2000   | 2.806.386,70                                                                           |
| 2788557         | 05.10.2000   | -2.806.386,70                                                                          |
| 5200040077      | 30.11.2017   | 2.752.990,89                                                                           |
| 5200040627      | 01.12.2017   | -2.752.990,89                                                                          |
| 5200036264      | 30.11.2001   | 2.730.659,62                                                                           |
| 5200036290      | 01.12.2001   | -2.730.659,62                                                                          |
| 5200004391      | 28.02.2015   | 2.713.813,26                                                                           |
| 5200004822      | 01.03.2015   | -2.713.813,26                                                                          |
| 5200035471      | 31.10.2017   | 2.688.238,88                                                                           |
| 5200036027      | 01.11.2017   | -2.688.238,88                                                                          |
| 5200012802      | 31.12.2004   | 2.674.927,68                                                                           |
| 5200000179      | 01.01.2005   | -2.674.927,68                                                                          |
| 5200026695      | 30.09.2016   | 2.647.184,16                                                                           |
| 5200027151      | 01.10.2016   | -2.647.184,16                                                                          |
| 5200010627      | 30.09.2004   | 2.628.289,54                                                                           |
| 5200010651      | 01.10.2004   | -2.628.289,54                                                                          |
| 5200042392      | 31.12.2017   | 2.616.274,12                                                                           |
| 5200023519      | 31.08.2016   | 2.572.840,03                                                                           |
| 5200023982      | 01.09.2016   | -2.572.840,03                                                                          |
| 5200006754      | 30.06.2003   | 2.572.334,87                                                                           |
| 5200006780      | 01.07.2003   | -2.572.334,87                                                                          |
| 5200031574      | 30.11.2013   | 2.525.117,30                                                                           |
| 5200031930      | 01.12.2013   | -2.525.117,30                                                                          |
| 5200028949      | 31.10.2015   | 2.513.122,65                                                                           |
| 5200029357      | 01.11.2015   | -2.513.122,65                                                                          |
| 5200005501      | 29.02.2016   | 2.500.399,34                                                                           |
| 5200006021      | 01.03.2016   | -2.500.399,34                                                                          |
| 5200016822      | 30.06.2016   | 2.490.639,32                                                                           |
| 5200017283      | 01.07.2016   | -2.490.639,32                                                                          |
| 5200028108      | 31.08.2017   | 2.483.309,42                                                                           |
| 5200028670      | 01.09.2017   | -2.483.309,42                                                                          |
| 2787424         | 31.08.2000   | 2.467.299,53                                                                           |
| 2787431         | 05.09.2000   | -2.467.299,53                                                                          |
| 2705424         | 31.03.2001   | 2.429.311,49                                                                           |
| 2705432         | 04.04.2001   | -2.429.311,49                                                                          |
| 5000002244      | 31.12.2017   | 2.418.976,00                                                                           |
| 2703055         | 31.01.2001   | 2.381.976,69                                                                           |
| 2703063         | 05.02.2001   | -2.381.976,69                                                                          |
| 5200007633      | 31.03.2015   | 2.379.289,70                                                                           |
| 5200008037      | 01.04.2015   | -2.379.289,70                                                                          |
| 5200032066      | 30.11.2015   | 2.360.586,66                                                                           |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200032469      | 01.12.2015   | -2.360.586,66                                                                          |
| 5200001408      | 31.01.2002   | 2.358.080,60                                                                           |
| 5200001441      | 01.02.2002   | -2.358.080,60                                                                          |
| 2785102         | 30.06.2000   | 2.346.829,96                                                                           |
| 2785109         | 05.07.2000   | -2.346.829,96                                                                          |
| 5200005904      | 28.02.2017   | 2.339.992,43                                                                           |
| 5200006447      | 01.03.2017   | -2.339.992,43                                                                          |
| 5200014559      | 31.05.2016   | 2.324.628,35                                                                           |
| 5200015034      | 01.06.2016   | -2.324.628,35                                                                          |
| 5200004667      | 30.04.2003   | 2.318.938,77                                                                           |
| 5200004695      | 01.05.2003   | -2.318.938,77                                                                          |
| 5200013741      | 31.10.2001   | 2.276.839,74                                                                           |
| 5200013779      | 01.11.2001   | -2.276.839,74                                                                          |
| 5200017637      | 31.05.2017   | 2.264.597,00                                                                           |
| 5200018198      | 01.06.2017   | -2.264.597,00                                                                          |
| 5200022885      | 31.08.2015   | 2.255.304,49                                                                           |
| 5200023265      | 01.09.2015   | -2.255.304,49                                                                          |
| 2772070         | 31.07.1999   | 2.254.657,14                                                                           |
| 2772078         | 04.08.1999   | -2.254.657,14                                                                          |
| 5200010674      | 30.04.2016   | 2.234.152,65                                                                           |
| 5200011158      | 01.05.2016   | -2.234.152,65                                                                          |
| 5200008924      | 31.08.2003   | 2.228.805,49                                                                           |
| 5200008950      | 01.09.2003   | -2.228.805,49                                                                          |
| 5200014351      | 31.05.2016   | 2.226.300,12                                                                           |
| 5200014826      | 01.06.2016   | -2.226.300,12                                                                          |
| 2784058         | 31.05.2000   | 2.202.893,13                                                                           |
| 2784051         | 07.06.2000   | -2.202.893,13                                                                          |
| 5200014278      | 31.12.2003   | 2.171.574,55                                                                           |
| 5200000374      | 01.01.2004   | -2.171.574,55                                                                          |
| 5200002661      | 31.01.2017   | 2.147.081,52                                                                           |
| 5200003211      | 01.02.2017   | -2.147.081,52                                                                          |
| 2789686         | 31.10.2000   | 2.143.776,25                                                                           |
| 2789693         | 03.11.2000   | -2.143.776,25                                                                          |
| 5200011764      | 31.10.2003   | 2.142.289,95                                                                           |
| 5200011788      | 01.11.2003   | -2.142.289,95                                                                          |
| 5200005267      | 29.02.2016   | 2.140.139,48                                                                           |
| 5200005787      | 01.03.2016   | -2.140.139,48                                                                          |
| 5200007792      | 31.07.2003   | 2.118.148,11                                                                           |
| 5200007820      | 01.08.2003   | -2.118.148,11                                                                          |
| 5200031885      | 30.11.2015   | 2.102.835,40                                                                           |
| 5200032288      | 01.12.2015   | -2.102.835,40                                                                          |
| 5200023682      | 30.09.2014   | 2.102.015,11                                                                           |
| 5200024007      | 01.10.2014   | -2.102.015,11                                                                          |
| 5200024366      | 31.07.2017   | 2.101.848,89                                                                           |
| 5200024915      | 01.08.2017   | -2.101.848,89                                                                          |
| 2704184         | 28.02.2001   | 2.084.356,06                                                                           |
| 2704192         | 05.03.2001   | -2.084.356,06                                                                          |
| 2760761         | 31.10.1998   | 2.083.873,32                                                                           |
| 2760768         | 04.11.1998   | -2.083.873,32                                                                          |
| 5200013616      | 30.04.2017   | 2.080.436,72                                                                           |
| 5200014173      | 01.05.2017   | -2.080.436,72                                                                          |
| 5200004494      | 31.03.2002   | 2.073.621,49                                                                           |
| 5200004515      | 01.04.2002   | -2.073.621,49                                                                          |
| 2755658         | 30.06.1998   | 2.051.618,58                                                                           |
| 2755627         | 03.07.1998   | -2.051.618,58                                                                          |
| 5200029134      | 31.10.2015   | 2.023.477,35                                                                           |
| 5200029542      | 01.11.2015   | -2.023.477,35                                                                          |
| 5200014883      | 31.05.2015   | 2.005.365,77                                                                           |
| 5200015274      | 01.06.2015   | -2.005.365,77                                                                          |
| 2786251         | 31.07.2000   | 1.994.482,77                                                                           |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2786258         | 03.08.2000   | -1.994.482,77                                                                          |
| 5200020297      | 31.07.2015   | 1.983.849,76                                                                           |
| 5200020665      | 01.08.2015   | -1.983.849,76                                                                          |
| 5200029159      | 31.10.2013   | 1.973.927,12                                                                           |
| 5200029501      | 01.11.2013   | -1.973.927,12                                                                          |
| 5200021065      | 31.07.2013   | 1.970.315,13                                                                           |
| 5200021422      | 01.08.2013   | -1.970.315,13                                                                          |
| 5200005726      | 30.04.2002   | 1.966.360,03                                                                           |
| 5200005749      | 01.05.2002   | -1.966.360,03                                                                          |
| 5200026128      | 30.09.2015   | 1.958.133,20                                                                           |
| 5200026543      | 01.10.2015   | -1.958.133,20                                                                          |
| 5200031297      | 31.12.2014   | 1.942.230,67                                                                           |
| 5200000624      | 01.01.2015   | -1.942.230,67                                                                          |
| 5200028986      | 31.10.2015   | 1.927.160,56                                                                           |
| 5200029394      | 01.11.2015   | -1.927.160,56                                                                          |
| 5200014099      | 30.11.2002   | 1.918.157,99                                                                           |
| 5200014122      | 01.12.2002   | -1.918.157,99                                                                          |
| 5200029046      | 31.10.2013   | 1.917.655,44                                                                           |
| 5200029388      | 01.11.2013   | -1.917.655,44                                                                          |
| 5200011721      | 30.09.2002   | 1.908.629,63                                                                           |
| 5200011744      | 01.10.2002   | -1.908.629,63                                                                          |
| 5200011806      | 30.04.2015   | 1.908.468,02                                                                           |
| 5200012220      | 01.05.2015   | -1.908.468,02                                                                          |
| 5200006964      | 31.05.2002   | 1.893.879,07                                                                           |
| 5200006978      | 01.06.2002   | -1.893.879,07                                                                          |
| 5200012941      | 31.10.2002   | 1.893.617,19                                                                           |
| 5200012963      | 01.11.2002   | -1.893.617,19                                                                          |
| 5200008350      | 31.03.2016   | 1.891.196,53                                                                           |
| 5200008839      | 01.04.2016   | -1.891.196,53                                                                          |
| 5200034470      | 31.12.2016   | 1.877.211,71                                                                           |
| 5200000566      | 01.01.2017   | -1.877.211,71                                                                          |
| 5200002494      | 28.02.2003   | 1.825.393,59                                                                           |
| 5200002521      | 01.03.2003   | -1.825.393,59                                                                          |
| 2762084         | 30.11.1998   | 1.805.108,86                                                                           |
| 2762091         | 03.12.1998   | -1.805.108,86                                                                          |
| 5200007600      | 30.06.2002   | 1.791.982,39                                                                           |
| 5200007623      | 01.07.2002   | -1.791.982,39                                                                          |
| 5200015177      | 30.06.2014   | 1.766.755,20                                                                           |
| 5200015607      | 01.07.2014   | -1.766.755,20                                                                          |
| 2701887         | 31.12.2000   | 1.752.287,72                                                                           |
| 2701879         | 04.01.2001   | -1.752.287,72                                                                          |
| 5000001941      | 31.12.2015   | 1.732.655,34                                                                           |
| 5200009331      | 31.07.2002   | 1.724.045,31                                                                           |
| 5200009355      | 01.08.2002   | -1.724.045,31                                                                          |
| 5200026320      | 30.09.2015   | 1.721.611,69                                                                           |
| 5200026735      | 01.10.2015   | -1.721.611,69                                                                          |
| 5200031760      | 30.11.2013   | 1.718.288,10                                                                           |
| 5200032116      | 01.12.2013   | -1.718.288,10                                                                          |
| 5200023057      | 31.08.2015   | 1.717.391,68                                                                           |
| 5200023437      | 01.09.2015   | -1.717.391,68                                                                          |
| 2750415         | 28.02.1998   | 1.703.006,88                                                                           |
| 2750422         | 04.03.1998   | -1.703.006,88                                                                          |
| 5200003179      | 28.02.2002   | 1.700.323,82                                                                           |
| 5200003207      | 01.03.2002   | -1.700.323,82                                                                          |
| 2747236         | 30.11.1997   | 1.674.412,60                                                                           |
| 2747243         | 03.12.1997   | -1.674.412,60                                                                          |
| 5000001810      | 30.11.2017   | 1.657.000,00                                                                           |
| 2765990         | 28.02.1999   | 1.639.120,88                                                                           |
| 2765997         | 03.03.1999   | -1.639.120,88                                                                          |
| 2767400         | 31.03.1999   | 1.631.003,76                                                                           |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2767407         | 07.04.1999   | -1.631.003,76                                                                          |
| 5200002311      | 31.01.2015   | 1.624.794,04                                                                           |
| 5200002735      | 01.02.2015   | -1.624.794,04                                                                          |
| 5200015463      | 31.05.2013   | 1.624.635,85                                                                           |
| 5200015823      | 01.06.2013   | -1.624.635,85                                                                          |
| 2762079         | 30.11.1998   | 1.622.190,26                                                                           |
| 2762086         | 03.12.1998   | -1.622.190,26                                                                          |
| 5200018194      | 30.06.2013   | 1.621.131,57                                                                           |
| 5200018594      | 01.07.2013   | -1.621.131,57                                                                          |
| 2749626         | 31.01.1998   | 1.616.942,83                                                                           |
| 2749633         | 04.02.1998   | -1.616.942,83                                                                          |
| 5200020854      | 31.08.2014   | 1.614.250,88                                                                           |
| 5200021287      | 01.09.2014   | -1.614.250,88                                                                          |
| 2760766         | 31.10.1998   | 1.613.234,18                                                                           |
| 2760773         | 04.11.1998   | -1.613.234,18                                                                          |
| 2701889         | 31.12.2000   | 1.590.099,77                                                                           |
| 2701881         | 04.01.2001   | -1.590.099,77                                                                          |
| 2710545         | 30.06.1995   | 1.588.164,34                                                                           |
| 2710567         | 05.07.1995   | -1.588.164,34                                                                          |
| 5200029225      | 31.10.2013   | 1.584.180,82                                                                           |
| 5200029567      | 01.11.2013   | -1.584.180,82                                                                          |
| 2764652         | 31.01.1999   | 1.580.952,44                                                                           |
| 2764659         | 03.02.1999   | -1.580.952,44                                                                          |
| 5200007828      | 31.03.2015   | 1.577.564,04                                                                           |
| 5200008232      | 01.04.2015   | -1.577.564,04                                                                          |
| 5200033935      | 31.12.2013   | 1.564.113,23                                                                           |
| 5200000629      | 01.01.2014   | -1.564.113,23                                                                          |
| 2753345         | 30.04.1998   | 1.563.142,56                                                                           |
| 2753352         | 06.05.1998   | -1.563.142,56                                                                          |
| 5200010259      | 30.09.2003   | 1.557.321,90                                                                           |
| 5200010285      | 01.10.2003   | -1.557.321,90                                                                          |
| 5200018132      | 31.07.2014   | 1.545.432,18                                                                           |
| 5200018555      | 01.08.2014   | -1.545.432,18                                                                          |
| 5200001394      | 31.01.2003   | 1.545.171,84                                                                           |
| 5200001421      | 01.02.2003   | -1.545.171,84                                                                          |
| 2705988         | 31.01.1995   | 1.544.523,79                                                                           |
| 2706002         | 07.02.1995   | -1.544.523,79                                                                          |
| 5200011955      | 31.05.2012   | 1.541.971,12                                                                           |
| 5200012229      | 01.06.2012   | -1.541.971,12                                                                          |
| 5200003608      | 31.03.2003   | 1.538.782,96                                                                           |
| 5200003636      | 01.04.2003   | -1.538.782,96                                                                          |
| 2746015         | 31.10.1997   | 1.532.260,95                                                                           |
| 2746022         | 05.11.1997   | -1.532.260,95                                                                          |
| 5200032524      | 30.11.2016   | 1.519.219,82                                                                           |
| 5200032991      | 01.12.2016   | -1.519.219,82                                                                          |
| 5200002099      | 31.01.2015   | 1.507.753,93                                                                           |
| 5200002523      | 01.02.2015   | -1.507.753,93                                                                          |
| 5200001456      | 31.01.2016   | 1.498.894,26                                                                           |
| 5200001947      | 01.02.2016   | -1.498.894,26                                                                          |
| 5200031129      | 31.12.2014   | 1.494.414,75                                                                           |
| 5200000456      | 01.01.2015   | -1.494.414,75                                                                          |
| 2714363         | 01.11.1995   | 1.494.240,33                                                                           |
| 2714341         | 03.11.1995   | -1.494.240,33                                                                          |
| 5200026317      | 31.10.2014   | 1.494.154,57                                                                           |
| 5200026670      | 01.11.2014   | -1.494.154,57                                                                          |
| 2718829         | 29.02.1996   | 1.492.294,47                                                                           |
| 2718836         | 05.03.1996   | -1.492.294,47                                                                          |
| 5200026494      | 30.09.2016   | 1.485.376,90                                                                           |
| 5200026950      | 01.10.2016   | -1.485.376,90                                                                          |
| 5200001313      | 31.01.2014   | 1.483.363,36                                                                           |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001685      | 01.02.2014   | -1.483.363,36                                                                          |
| 2764647         | 31.01.1999   | 1.477.435,96                                                                           |
| 2764654         | 03.02.1999   | -1.477.435,96                                                                          |
| 2754477         | 31.05.1998   | 1.462.899,32                                                                           |
| 2754484         | 04.06.1998   | -1.462.899,32                                                                          |
| 2704190         | 28.02.2001   | 1.454.894,22                                                                           |
| 2704198         | 05.03.2001   | -1.454.894,22                                                                          |
| 5200033740      | 31.12.2015   | 1.441.981,30                                                                           |
| 5200000454      | 01.01.2016   | -1.441.981,30                                                                          |
| 5200004603      | 28.02.2015   | 1.432.364,81                                                                           |
| 5200005034      | 01.03.2015   | -1.432.364,81                                                                          |
| 2715380         | 30.11.1995   | 1.429.462,17                                                                           |
| 2715387         | 05.12.1995   | -1.429.462,17                                                                          |
| 2775766         | 31.10.1999   | 1.425.884,17                                                                           |
| 2775773         | 03.11.1999   | -1.425.884,17                                                                          |
| 2720437         | 31.03.1996   | 1.421.137,05                                                                           |
| 2720444         | 04.04.1996   | -1.421.137,05                                                                          |
| 5200026574      | 30.09.2013   | 1.418.435,59                                                                           |
| 5200026943      | 01.10.2013   | -1.418.435,59                                                                          |
| 5200010192      | 31.03.2013   | 1.407.065,11                                                                           |
| 5200010535      | 01.04.2013   | -1.407.065,11                                                                          |
| 2781741         | 31.03.2000   | 1.405.265,79                                                                           |
| 2781748         | 05.04.2000   | -1.405.265,79                                                                          |
| 2789689         | 31.10.2000   | 1.397.556,72                                                                           |
| 2789696         | 03.11.2000   | -1.397.556,72                                                                          |
| 5200028974      | 30.11.2014   | 1.384.460,90                                                                           |
| 5200029338      | 01.12.2014   | -1.384.460,90                                                                          |
| 2782807         | 30.04.2000   | 1.382.941,25                                                                           |
| 2782800         | 04.05.2000   | -1.382.941,25                                                                          |
| 5200023315      | 31.08.2016   | 1.381.707,65                                                                           |
| 5200023778      | 01.09.2016   | -1.381.707,65                                                                          |
| 2705430         | 31.03.2001   | 1.376.796,71                                                                           |
| 2705438         | 04.04.2001   | -1.376.796,71                                                                          |
| 2777062         | 30.11.1999   | 1.376.736,01                                                                           |
| 2777069         | 03.12.1999   | -1.376.736,01                                                                          |
| 5200012008      | 30.04.2015   | 1.371.097,40                                                                           |
| 5200012422      | 01.05.2015   | -1.371.097,40                                                                          |
| 2752212         | 31.03.1998   | 1.360.035,02                                                                           |
| 2752220         | 03.04.1998   | -1.360.035,02                                                                          |
| 2706959         | 28.02.1995   | 1.358.387,21                                                                           |
| 2706980         | 07.03.1995   | -1.358.387,21                                                                          |
| 2738054         | 31.03.1997   | 1.350.319,57                                                                           |
| 2738061         | 03.04.1997   | -1.350.319,57                                                                          |
| 5200010528      | 31.08.2002   | 1.350.302,86                                                                           |
| 5200010552      | 01.09.2002   | -1.350.302,86                                                                          |
| 5200004034      | 29.02.2012   | 1.344.143,89                                                                           |
| 5200004306      | 01.03.2012   | -1.344.143,89                                                                          |
| 2742536         | 31.07.1997   | 1.343.893,88                                                                           |
| 2742543         | 05.08.1997   | -1.343.893,88                                                                          |
| 2732313         | 31.01.1997   | 1.341.739,04                                                                           |
| 2732320         | 05.02.1997   | -1.341.739,04                                                                          |
| 5200028789      | 30.11.2014   | 1.336.999,47                                                                           |
| 5200029153      | 01.12.2014   | -1.336.999,47                                                                          |
| 5200037328      | 31.12.2001   | 1.333.939,51                                                                           |
| 5200000576      | 01.01.2002   | -1.333.939,51                                                                          |
| 2709643         | 31.05.1995   | 1.330.722,27                                                                           |
| 2709665         | 06.06.1995   | -1.330.722,27                                                                          |
| 2718099         | 31.01.1996   | 1.318.502,55                                                                           |
| 2718106         | 05.02.1996   | -1.318.502,55                                                                          |
| 2732318         | 31.01.1997   | 1.318.013,43                                                                           |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2732325         | 05.02.1997   | -1.318.013,43                                                                          |
| 5000001810      | 30.11.2017   | 1.317.000,00                                                                           |
| 2728652         | 31.10.1996   | 1.316.230,09                                                                           |
| 2728660         | 05.11.1996   | -1.316.230,09                                                                          |
| 5200020125      | 31.07.2015   | 1.314.261,54                                                                           |
| 5200020493      | 01.08.2015   | -1.314.261,54                                                                          |
| 5200006547      | 31.03.2012   | 1.293.592,83                                                                           |
| 5200006844      | 01.04.2012   | -1.293.592,83                                                                          |
| 5200009028      | 30.04.2012   | 1.291.826,54                                                                           |
| 5200009306      | 01.05.2012   | -1.291.826,54                                                                          |
| 2707992         | 31.03.1995   | 1.288.864,88                                                                           |
| 2707917         | 07.04.1995   | -1.288.864,88                                                                          |
| 2700892         | 30.11.2000   | 1.284.994,33                                                                           |
| 2700899         | 05.12.2000   | -1.284.994,33                                                                          |
| 5200004022      | 28.02.2014   | 1.284.115,35                                                                           |
| 5200004423      | 01.03.2014   | -1.284.115,35                                                                          |
| 2736783         | 28.02.1997   | 1.272.985,95                                                                           |
| 2736790         | 05.03.1997   | -1.272.985,95                                                                          |
| 2765995         | 28.02.1999   | 1.271.544,95                                                                           |
| 2766002         | 03.03.1999   | -1.271.544,95                                                                          |
| 2756997         | 31.07.1998   | 1.271.529,79                                                                           |
| 2757004         | 05.08.1998   | -1.271.529,79                                                                          |
| 2750420         | 28.02.1998   | 1.266.180,61                                                                           |
| 2750427         | 04.03.1998   | -1.266.180,61                                                                          |
| 2768384         | 30.04.1999   | 1.262.630,73                                                                           |
| 2768391         | 05.05.1999   | -1.262.630,73                                                                          |
| 2712462         | 31.08.1995   | 1.255.137,38                                                                           |
| 2712486         | 04.09.1995   | -1.255.137,38                                                                          |
| 5200009548      | 30.04.2014   | 1.252.566,55                                                                           |
| 5200009970      | 01.05.2014   | -1.252.566,55                                                                          |
| 2741291         | 30.06.1997   | 1.245.108,42                                                                           |
| 2741298         | 03.07.1997   | -1.245.108,42                                                                          |
| 2759471         | 30.09.1998   | 1.233.366,24                                                                           |
| 2759478         | 05.10.1998   | -1.233.366,24                                                                          |
| 5200018357      | 31.07.2014   | 1.230.433,10                                                                           |
| 5200018780      | 01.08.2014   | -1.230.433,10                                                                          |
| 5200033777      | 31.12.2013   | 1.228.747,71                                                                           |
| 5200000471      | 01.01.2014   | -1.228.747,71                                                                          |
| 5200028107      | 31.08.2017   | 1.225.993,13                                                                           |
| 5200028669      | 01.09.2017   | -1.225.993,13                                                                          |
| 2778930         | 31.01.2000   | 1.222.623,08                                                                           |
| 2778937         | 03.02.2000   | -1.222.623,08                                                                          |
| 2778222         | 31.12.1999   | 1.203.869,79                                                                           |
| 2778229         | 05.01.2000   | -1.203.869,79                                                                          |
| 2771245         | 30.06.1999   | 1.201.274,57                                                                           |
| 2771252         | 05.07.1999   | -1.201.274,57                                                                          |
| 5200026139      | 31.10.2014   | 1.199.386,75                                                                           |
| 5200026492      | 01.11.2014   | -1.199.386,75                                                                          |
| 2708690         | 30.04.1995   | 1.197.632,50                                                                           |
| 2708712         | 04.05.1995   | -1.197.632,50                                                                          |
| 2780132         | 29.02.2000   | 1.195.735,89                                                                           |
| 2780139         | 03.03.2000   | -1.195.735,89                                                                          |
| 2758177         | 31.08.1998   | 1.193.112,86                                                                           |
| 2758184         | 03.09.1998   | -1.193.112,86                                                                          |
| 5200021261      | 31.07.2013   | 1.185.574,08                                                                           |
| 5200021618      | 01.08.2013   | -1.185.574,08                                                                          |
| 2727489         | 30.09.1996   | 1.185.367,32                                                                           |
| 2727496         | 04.10.1996   | -1.185.367,32                                                                          |
| 5200022100      | 30.09.2012   | 1.172.570,29                                                                           |
| 5200022394      | 01.10.2012   | -1.172.570,29                                                                          |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2744849         | 30.09.1997   | 1.171.190,63                                                                           |
| 2744856         | 06.10.1997   | -1.171.190,63                                                                          |
| 2769779         | 31.05.1999   | 1.168.751,22                                                                           |
| 2769786         | 07.06.1999   | -1.168.751,22                                                                          |
| 2757002         | 31.07.1998   | 1.168.073,31                                                                           |
| 2757009         | 05.08.1998   | -1.168.073,31                                                                          |
| 2755653         | 30.06.1998   | 1.167.551,36                                                                           |
| 2755622         | 03.07.1998   | -1.167.551,36                                                                          |
| 5200025769      | 31.10.2012   | 1.166.970,96                                                                           |
| 5200026074      | 01.11.2012   | -1.166.970,96                                                                          |
| 5200013681      | 30.04.2017   | 1.165.183,42                                                                           |
| 5200014238      | 01.05.2017   | -1.165.183,42                                                                          |
| 5200015431      | 30.06.2014   | 1.163.335,43                                                                           |
| 5200015861      | 01.07.2014   | -1.163.335,43                                                                          |
| 5200024432      | 31.07.2017   | 1.158.348,89                                                                           |
| 5200024981      | 01.08.2017   | -1.158.348,89                                                                          |
| 2773434         | 31.08.1999   | 1.153.208,20                                                                           |
| 2773441         | 03.09.1999   | -1.153.208,20                                                                          |
| 5200001510      | 31.01.2014   | 1.151.776,56                                                                           |
| 5200001882      | 01.02.2014   | -1.151.776,56                                                                          |
| 2729865         | 30.11.1996   | 1.150.730,45                                                                           |
| 2729873         | 04.12.1996   | -1.150.730,45                                                                          |
| 5200007343      | 28.02.2013   | 1.145.841,43                                                                           |
| 5200007676      | 01.03.2013   | -1.145.841,43                                                                          |
| 5200000024      | 30.04.2001   | 1.136.770,77                                                                           |
| 5200000051      | 01.05.2001   | -1.136.770,77                                                                          |
| 2740137         | 31.05.1997   | 1.131.895,92                                                                           |
| 2740145         | 04.06.1997   | -1.131.895,92                                                                          |
| 2740131         | 31.05.1997   | 1.129.759,98                                                                           |
| 2740139         | 04.06.1997   | -1.129.759,98                                                                          |
| 5200020079      | 31.08.2012   | 1.129.461,59                                                                           |
| 5200020365      | 01.09.2012   | -1.129.461,59                                                                          |
| 2723827         | 30.06.1996   | 1.126.911,85                                                                           |
| 2723834         | 03.07.1996   | -1.126.911,85                                                                          |
| 5200036287      | 30.11.2001   | 1.126.440,40                                                                           |
| 5200036313      | 01.12.2001   | -1.126.440,40                                                                          |
| 2722718         | 31.05.1996   | 1.124.123,52                                                                           |
| 2722725         | 05.06.1996   | -1.124.123,52                                                                          |
| 2742541         | 31.07.1997   | 1.120.404,87                                                                           |
| 2742548         | 05.08.1997   | -1.120.404,87                                                                          |
| 5200024365      | 31.07.2017   | 1.114.150,99                                                                           |
| 5200024914      | 01.08.2017   | -1.114.150,99                                                                          |
| 2739054         | 30.04.1997   | 1.113.640,37                                                                           |
| 2739061         | 06.05.1997   | -1.113.640,37                                                                          |
| 2725111         | 31.07.1996   | 1.104.939,30                                                                           |
| 2725118         | 05.08.1996   | -1.104.939,30                                                                          |
| 5200001745      | 31.05.2001   | 1.104.500,81                                                                           |
| 5200001772      | 01.06.2001   | -1.104.500,81                                                                          |
| 2736778         | 28.02.1997   | 1.100.902,15                                                                           |
| 2736785         | 05.03.1997   | -1.100.902,15                                                                          |
| 2711525         | 31.07.1995   | 1.085.154,83                                                                           |
| 2711550         | 03.08.1995   | -1.085.154,83                                                                          |
| 5200014629      | 30.06.2012   | 1.082.033,52                                                                           |
| 5200014919      | 01.07.2012   | -1.082.033,52                                                                          |
| 2746020         | 31.10.1997   | 1.077.765,88                                                                           |
| 2746027         | 05.11.1997   | -1.077.765,88                                                                          |
| 5200023520      | 30.09.2014   | 1.064.927,15                                                                           |
| 5200023845      | 01.10.2014   | -1.064.927,15                                                                          |
| 5200021347      | 30.06.2017   | 1.051.242,99                                                                           |
| 5200021905      | 01.07.2017   | -1.051.242,99                                                                          |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2700895         | 30.11.2000   | 1.050.094,55                                                                           |
| 2700902         | 05.12.2000   | -1.050.094,55                                                                          |
| 2721608         | 30.04.1996   | 1.044.772,68                                                                           |
| 2721615         | 06.05.1996   | -1.044.772,68                                                                          |
| 2772073         | 31.07.1999   | 1.043.790,24                                                                           |
| 2772080         | 04.08.1999   | -1.043.790,24                                                                          |
| 5200004691      | 30.04.2003   | 1.038.711,31                                                                           |
| 5200004719      | 01.05.2003   | -1.038.711,31                                                                          |
| 5200003634      | 31.03.2003   | 1.032.024,93                                                                           |
| 5200003661      | 01.04.2003   | -1.032.024,93                                                                          |
| 2754479         | 31.05.1998   | 1.020.820,13                                                                           |
| 2754486         | 04.06.1998   | -1.020.820,13                                                                          |
| 2774679         | 30.09.1999   | 1.014.402,83                                                                           |
| 2774687         | 05.10.1999   | -1.014.402,83                                                                          |
| 2778932         | 31.01.2000   | 1.013.743,63                                                                           |
| 2778939         | 03.02.2000   | -1.013.743,63                                                                          |
| 2747238         | 30.11.1997   | 1.011.877,40                                                                           |
| 2747245         | 03.12.1997   | -1.011.877,40                                                                          |
| 2760763         | 31.10.1998   | 1.008.900,52                                                                           |
| 2760770         | 04.11.1998   | -1.008.900,52                                                                          |
| 2784060         | 31.05.2000   | 1.001.957,11                                                                           |
| 2784053         | 07.06.2000   | -1.001.957,11                                                                          |
| 2743644         | 31.08.1997   | 998.796,19                                                                             |
| 2743651         | 03.09.1997   | -998.796,19                                                                            |
| 5200002986      | 31.01.2013   | 982.846,30                                                                             |
| 5200003328      | 01.02.2013   | -982.846,30                                                                            |
| 2704186         | 28.02.2001   | 982.655,45                                                                             |
| 2704194         | 05.03.2001   | -982.655,45                                                                            |
| 5200021077      | 31.08.2014   | 972.054,15                                                                             |
| 5200021510      | 01.09.2014   | -972.054,15                                                                            |
| 5200014350      | 31.05.2016   | 951.838,33                                                                             |
| 5200014825      | 01.06.2016   | -951.838,33                                                                            |
| 5200002196      | 31.01.2012   | 938.587,14                                                                             |
| 5200002439      | 01.02.2012   | -938.587,14                                                                            |
| 2755655         | 30.06.1998   | 938.161,56                                                                             |
| 2755624         | 03.07.1998   | -938.161,56                                                                            |
| 2754482         | 31.05.1998   | 928.339,55                                                                             |
| 2754489         | 04.06.1998   | -928.339,55                                                                            |
| 5200004241      | 31.07.2001   | 927.696,61                                                                             |
| 5200004268      | 01.08.2001   | -927.696,61                                                                            |
| 5200023676      | 31.08.2013   | 925.559,14                                                                             |
| 5200024029      | 01.09.2013   | -925.559,14                                                                            |
| 5200016619      | 30.06.2016   | 925.209,68                                                                             |
| 5200017080      | 01.07.2016   | -925.209,68                                                                            |
| 2785107         | 30.06.2000   | 923.427,09                                                                             |
| 2785114         | 05.07.2000   | -923.427,09                                                                            |
| 2769784         | 31.05.1999   | 916.078,07                                                                             |
| 2769791         | 07.06.1999   | -916.078,07                                                                            |
| 5200012238      | 31.05.2014   | 914.845,14                                                                             |
| 5200012685      | 01.06.2014   | -914.845,14                                                                            |
| 2726347         | 31.08.1996   | 893.615,77                                                                             |
| 2726354         | 04.09.1996   | -893.615,77                                                                            |
| 2772076         | 31.07.1999   | 881.033,25                                                                             |
| 2772083         | 04.08.1999   | -881.033,25                                                                            |
| 2784063         | 31.05.2000   | 872.174,49                                                                             |
| 2784056         | 07.06.2000   | -872.174,49                                                                            |
| 5200040076      | 30.11.2017   | 868.893,96                                                                             |
| 5200040626      | 01.12.2017   | -868.893,96                                                                            |
| 5200012468      | 31.05.2014   | 855.924,46                                                                             |
| 5200012915      | 01.06.2014   | -855.924,46                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200007022      | 31.03.2014   | 849.983,47                                                                             |
| 5200007428      | 01.04.2014   | -849.983,47                                                                            |
| 5200018394      | 30.06.2013   | 846.262,38                                                                             |
| 5200018793      | 01.07.2013   | -846.262,38                                                                            |
| 5200006106      | 30.09.2001   | 844.154,90                                                                             |
| 5200006133      | 01.10.2001   | -844.154,90                                                                            |
| 5200008932      | 30.04.2012   | 830.232,66                                                                             |
| 5200009210      | 01.05.2012   | -830.232,66                                                                            |
| 2786253         | 31.07.2000   | 829.465,76                                                                             |
| 2786260         | 03.08.2000   | -829.465,76                                                                            |
| 2788552         | 30.09.2000   | 829.323,06                                                                             |
| 2788559         | 05.10.2000   | -829.323,06                                                                            |
| 2703057         | 31.01.2001   | 821.880,40                                                                             |
| 2703065         | 05.02.2001   | -821.880,40                                                                            |
| 2741296         | 30.06.1997   | 820.616,56                                                                             |
| 2741303         | 03.07.1997   | -820.616,56                                                                            |
| 5200014703      | 31.12.2002   | 817.253,54                                                                             |
| 5200000479      | 01.01.2003   | -817.253,54                                                                            |
| 2786256         | 31.07.2000   | 813.345,15                                                                             |
| 2786263         | 03.08.2000   | -813.345,15                                                                            |
| 2713384         | 30.09.1995   | 810.766,98                                                                             |
| 2713410         | 05.10.1995   | -810.766,98                                                                            |
| 5200005640      | 31.08.2001   | 810.033,91                                                                             |
| 5200005666      | 01.09.2001   | -810.033,91                                                                            |
| 2785104         | 30.06.2000   | 803.901,07                                                                             |
| 2785111         | 05.07.2000   | -803.901,07                                                                            |
| 5200006788      | 31.03.2014   | 797.121,42                                                                             |
| 5200007194      | 01.04.2014   | -797.121,42                                                                            |
| 5200004236      | 31.07.2001   | 792.922,43                                                                             |
| 5200004263      | 01.08.2001   | -792.922,43                                                                            |
| 5200028577      | 30.11.2012   | 790.742,95                                                                             |
| 5200028886      | 01.12.2012   | -790.742,95                                                                            |
| 5200009789      | 30.04.2014   | 788.525,67                                                                             |
| 5200010211      | 01.05.2014   | -788.525,67                                                                            |
| 5200042391      | 31.12.2017   | 788.441,20                                                                             |
| 5200010673      | 30.04.2016   | 784.234,98                                                                             |
| 5200011157      | 01.05.2016   | -784.234,98                                                                            |
| 5200030956      | 31.12.2012   | 779.746,88                                                                             |
| 5200000573      | 01.01.2013   | -779.746,88                                                                            |
| 5200026398      | 30.09.2013   | 770.667,53                                                                             |
| 5200026767      | 01.10.2013   | -770.667,53                                                                            |
| 2752214         | 31.03.1998   | 769.610,76                                                                             |
| 2752222         | 03.04.1998   | -769.610,76                                                                            |
| 5200021412      | 30.06.2017   | 766.061,21                                                                             |
| 5200021970      | 01.07.2017   | -766.061,21                                                                            |
| 5200017701      | 31.05.2017   | 765.943,03                                                                             |
| 5200018262      | 01.06.2017   | -765.943,03                                                                            |
| 2763339         | 31.12.1998   | 762.913,16                                                                             |
| 2763346         | 06.01.1999   | -762.913,16                                                                            |
| 5200026163      | 30.09.2015   | 757.362,91                                                                             |
| 5200026578      | 01.10.2015   | -757.362,91                                                                            |
| 5200023589      | 30.09.2014   | 756.940,32                                                                             |
| 5200023914      | 01.10.2014   | -756.940,32                                                                            |
| 5200013744      | 31.10.2001   | 744.891,88                                                                             |
| 5200013782      | 01.11.2001   | -744.891,88                                                                            |
| 2748429         | 31.12.1997   | 744.234,41                                                                             |
| 2748436         | 05.01.1998   | -744.234,41                                                                            |
| 5200036265      | 30.11.2001   | 743.956,43                                                                             |
| 5200036291      | 01.12.2001   | -743.956,43                                                                            |
| 2771247         | 30.06.1999   | 739.520,99                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2771254         | 05.07.1999   | -739.520,99                                                                            |
| 5200028172      | 31.08.2017   | 733.525,81                                                                             |
| 5200028734      | 01.09.2017   | -733.525,81                                                                            |
| 5200005737      | 31.05.2003   | 733.127,40                                                                             |
| 5200005764      | 01.06.2003   | -733.127,40                                                                            |
| 2777067         | 30.11.1999   | 730.177,09                                                                             |
| 2777074         | 03.12.1999   | -730.177,09                                                                            |
| 5200020356      | 31.07.2016   | 724.999,79                                                                             |
| 5200020826      | 01.08.2016   | -724.999,79                                                                            |
| 5200029542      | 31.10.2016   | 722.859,20                                                                             |
| 5200029993      | 01.11.2016   | -722.859,20                                                                            |
| 5200014400      | 31.05.2016   | 721.388,98                                                                             |
| 5200014875      | 01.06.2016   | -721.388,98                                                                            |
| 5200001343      | 31.01.2014   | 713.601,23                                                                             |
| 5200001715      | 01.02.2014   | -713.601,23                                                                            |
| 5200026211      | 31.10.2014   | 712.007,73                                                                             |
| 5200026564      | 01.11.2014   | -712.007,73                                                                            |
| 5200009131      | 31.03.2017   | 711.933,92                                                                             |
| 5200009670      | 01.04.2017   | -711.933,92                                                                            |
| 5200004256      | 28.02.2014   | 709.494,58                                                                             |
| 5200004657      | 01.03.2014   | -709.494,58                                                                            |
| 5200037325      | 31.12.2001   | 707.637,37                                                                             |
| 5200000573      | 01.01.2002   | -707.637,37                                                                            |
| 2787426         | 31.08.2000   | 704.778,86                                                                             |
| 2787433         | 05.09.2000   | -704.778,86                                                                            |
| 2774685         | 30.09.1999   | 701.777,97                                                                             |
| 2774693         | 05.10.1999   | -701.777,97                                                                            |
| 2750417         | 28.02.1998   | 701.556,51                                                                             |
| 2750424         | 04.03.1998   | -701.556,51                                                                            |
| 2773436         | 31.08.1999   | 694.858,35                                                                             |
| 2773443         | 03.09.1999   | -694.858,35                                                                            |
| 5200031921      | 30.11.2015   | 692.342,65                                                                             |
| 5200032324      | 01.12.2015   | -692.342,65                                                                            |
| 5200001340      | 31.01.2014   | 685.105,84                                                                             |
| 5200001712      | 01.02.2014   | -685.105,84                                                                            |
| 5200031663      | 30.11.2013   | 680.210,97                                                                             |
| 5200032019      | 01.12.2013   | -680.210,97                                                                            |
| 5200021162      | 31.07.2013   | 680.151,72                                                                             |
| 5200021519      | 01.08.2013   | -680.151,72                                                                            |
| 5200023771      | 31.08.2013   | 680.139,69                                                                             |
| 5200024124      | 01.09.2013   | -680.139,69                                                                            |
| 5200029134      | 31.10.2013   | 679.989,92                                                                             |
| 5200029476      | 01.11.2013   | -679.989,92                                                                            |
| 5200026488      | 30.09.2013   | 679.985,03                                                                             |
| 5200026857      | 01.10.2013   | -679.985,03                                                                            |
| 2753347         | 30.04.1998   | 679.624,04                                                                             |
| 2753354         | 06.05.1998   | -679.624,04                                                                            |
| 5200018290      | 30.06.2013   | 679.015,66                                                                             |
| 5200018690      | 01.07.2013   | -679.015,66                                                                            |
| 5200015557      | 31.05.2013   | 678.044,48                                                                             |
| 5200015917      | 01.06.2013   | -678.044,48                                                                            |
| 5200012981      | 30.04.2013   | 677.984,90                                                                             |
| 5200013332      | 01.05.2013   | -677.984,90                                                                            |
| 2749628         | 31.01.1998   | 675.128,61                                                                             |
| 2749635         | 04.02.1998   | -675.128,61                                                                            |
| 5200004237      | 31.07.2001   | 671.320,22                                                                             |
| 5200004264      | 01.08.2001   | -671.320,22                                                                            |
| 5200005962      | 28.02.2017   | 670.093,10                                                                             |
| 5200006505      | 01.03.2017   | -670.093,10                                                                            |
| 2729867         | 30.11.1996   | 668.310,27                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2729875         | 04.12.1996   | -668.310,27                                                                            |
| 5200022919      | 31.08.2015   | 666.035,24                                                                             |
| 5200023299      | 01.09.2015   | -666.035,24                                                                            |
| 2705426         | 31.03.2001   | 644.074,45                                                                             |
| 2705434         | 04.04.2001   | -644.074,45                                                                            |
| 5200029541      | 31.10.2016   | 641.813,90                                                                             |
| 5200029992      | 01.11.2016   | -641.813,90                                                                            |
| 2782812         | 30.04.2000   | 636.254,44                                                                             |
| 2782805         | 04.05.2000   | -636.254,44                                                                            |
| 2782809         | 30.04.2000   | 634.402,95                                                                             |
| 2782802         | 04.05.2000   | -634.402,95                                                                            |
| 2773439         | 31.08.1999   | 631.892,01                                                                             |
| 2773446         | 03.09.1999   | -631.892,01                                                                            |
| 2780134         | 29.02.2000   | 631.005,25                                                                             |
| 2780141         | 03.03.2000   | -631.005,25                                                                            |
| 2771250         | 30.06.1999   | 629.223,22                                                                             |
| 2771257         | 05.07.1999   | -629.223,22                                                                            |
| 2743646         | 31.08.1997   | 628.533,79                                                                             |
| 2743653         | 03.09.1997   | -628.533,79                                                                            |
| 5200042460      | 31.12.2017   | 628.186,89                                                                             |
| 2746017         | 31.10.1997   | 627.385,75                                                                             |
| 2746024         | 05.11.1997   | -627.385,75                                                                            |
| 5200014704      | 31.05.2015   | 625.947,01                                                                             |
| 5200015095      | 01.06.2015   | -625.947,01                                                                            |
| 5200003135      | 30.06.2001   | 625.155,94                                                                             |
| 5200003172      | 01.07.2001   | -625.155,94                                                                            |
| 5200012333      | 31.05.2014   | 620.232,16                                                                             |
| 5200012780      | 01.06.2014   | -620.232,16                                                                            |
| 2738059         | 31.03.1997   | 619.696,93                                                                             |
| 2738066         | 03.04.1997   | -619.696,93                                                                            |
| 2706978         | 28.02.1995   | 619.667,00                                                                             |
| 2706999         | 07.03.1995   | -619.667,00                                                                            |
| 2706973         | 28.02.1995   | 610.797,39                                                                             |
| 2706994         | 07.03.1995   | -610.797,39                                                                            |
| 2756999         | 31.07.1998   | 607.259,80                                                                             |
| 2757006         | 05.08.1998   | -607.259,80                                                                            |
| 2705208         | 31.12.1994   | 605.455,28                                                                             |
| 2705228         | 02.01.1995   | -605.455,28                                                                            |
| 5200002719      | 31.01.2017   | 600.892,01                                                                             |
| 5200003269      | 01.02.2017   | -600.892,01                                                                            |
| 2715385         | 30.11.1995   | 595.788,67                                                                             |
| 2715392         | 05.12.1995   | -595.788,67                                                                            |
| 2721613         | 30.04.1996   | 593.996,44                                                                             |
| 2721620         | 06.05.1996   | -593.996,44                                                                            |
| 5200005319      | 29.02.2016   | 589.420,65                                                                             |
| 5200005839      | 01.03.2016   | -589.420,65                                                                            |
| 2723832         | 30.06.1996   | 587.399,42                                                                             |
| 2723839         | 03.07.1996   | -587.399,42                                                                            |
| 5000002163      | 31.12.2017   | 586.661,00                                                                             |
| 5000002216      | 31.12.2017   | -586.661,00                                                                            |
| 5200008349      | 31.03.2016   | 586.076,47                                                                             |
| 5200008838      | 01.04.2016   | -586.076,47                                                                            |
| 5200005964      | 28.02.2017   | 584.117,23                                                                             |
| 5200006507      | 01.03.2017   | -584.117,23                                                                            |
| 2742538         | 31.07.1997   | 583.368,29                                                                             |
| 2742545         | 05.08.1997   | -583.368,29                                                                            |
| 2753350         | 30.04.1998   | 580.244,20                                                                             |
| 2753357         | 06.05.1998   | -580.244,20                                                                            |
| 5200002098      | 31.01.2015   | 580.157,12                                                                             |
| 5200002522      | 01.02.2015   | -580.157,12                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2703061         | 31.01.2001   | 579.194,31                                                                             |
| 2703069         | 05.02.2001   | -579.194,31                                                                            |
| 2758179         | 31.08.1998   | 576.583,33                                                                             |
| 2758186         | 03.09.1998   | -576.583,33                                                                            |
| 5200005659      | 31.08.2001   | 569.930,61                                                                             |
| 5200005685      | 01.09.2001   | -569.930,61                                                                            |
| 2777064         | 30.11.1999   | 567.015,55                                                                             |
| 2777071         | 03.12.1999   | -567.015,55                                                                            |
| 2725116         | 31.07.1996   | 566.229,38                                                                             |
| 2725123         | 05.08.1996   | -566.229,38                                                                            |
| 5200028971      | 30.11.2014   | 565.700,08                                                                             |
| 5200029335      | 01.12.2014   | -565.700,08                                                                            |
| 5200006762      | 30.06.2003   | 562.653,30                                                                             |
| 5200006788      | 01.07.2003   | -562.653,30                                                                            |
| 2747241         | 30.11.1997   | 560.740,96                                                                             |
| 2747248         | 03.12.1997   | -560.740,96                                                                            |
| 2787429         | 31.08.2000   | 560.728,62                                                                             |
| 2787436         | 05.09.2000   | -560.728,62                                                                            |
| 2780137         | 29.02.2000   | 559.800,56                                                                             |
| 2780144         | 03.03.2000   | -559.800,56                                                                            |
| 2732315         | 31.01.1997   | 559.706,15                                                                             |
| 2732322         | 05.02.1997   | -559.706,15                                                                            |
| 5200028174      | 31.08.2017   | 559.547,88                                                                             |
| 5200028736      | 01.09.2017   | -559.547,88                                                                            |
| 5200003015      | 31.01.2013   | 558.578,96                                                                             |
| 5200003357      | 01.02.2013   | -558.578,96                                                                            |
| 5000001839      | 30.11.2017   | 555.000,00                                                                             |
| 5200020157      | 31.07.2015   | 549.103,95                                                                             |
| 5200020525      | 01.08.2015   | -549.103,95                                                                            |
| 5200017436      | 31.07.2012   | 549.016,93                                                                             |
| 5200017722      | 01.08.2012   | -549.016,93                                                                            |
| 5200026546      | 30.09.2016   | 547.728,26                                                                             |
| 5200027002      | 01.10.2016   | -547.728,26                                                                            |
| 5200021074      | 31.08.2014   | 545.324,27                                                                             |
| 5200021507      | 01.09.2014   | -545.324,27                                                                            |
| 2714365         | 01.11.1995   | 543.489,69                                                                             |
| 2714343         | 03.11.1995   | -543.489,69                                                                            |
| 5200020408      | 31.07.2016   | 538.342,29                                                                             |
| 5200020878      | 01.08.2016   | -538.342,29                                                                            |
| 2775768         | 31.10.1999   | 530.917,63                                                                             |
| 2775775         | 03.11.1999   | -530.917,63                                                                            |
| 5200032001      | 30.11.2015   | 526.990,87                                                                             |
| 5200032404      | 01.12.2015   | -526.990,87                                                                            |
| 5200023519      | 30.09.2014   | 525.009,93                                                                             |
| 5200023844      | 01.10.2014   | -525.009,93                                                                            |
| 5200008402      | 31.03.2016   | 519.722,80                                                                             |
| 5200008891      | 01.04.2016   | -519.722,80                                                                            |
| 5200031866      | 30.09.2017   | 519.712,48                                                                             |
| 5200032424      | 01.10.2017   | -519.712,48                                                                            |
| 5200017636      | 31.05.2017   | 519.473,32                                                                             |
| 5200018197      | 01.06.2017   | -519.473,32                                                                            |
| 5200014399      | 31.05.2016   | 518.342,47                                                                             |
| 5200014874      | 01.06.2016   | -518.342,47                                                                            |
| 5200017428      | 30.06.2015   | 517.432,74                                                                             |
| 5200017781      | 01.07.2015   | -517.432,74                                                                            |
| 2711527         | 31.07.1995   | 516.830,04                                                                             |
| 2711552         | 03.08.1995   | -516.830,04                                                                            |
| 2788555         | 30.09.2000   | 514.875,47                                                                             |
| 2788562         | 05.10.2000   | -514.875,47                                                                            |
| 5200005745      | 30.04.2002   | 513.127,65                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005768      | 01.05.2002   | -513.127,65                                                                            |
| 5200001507      | 31.01.2014   | 511.883,45                                                                             |
| 5200001879      | 01.02.2014   | -511.883,45                                                                            |
| 5200012888      | 30.04.2013   | 511.792,11                                                                             |
| 5200013239      | 01.05.2013   | -511.792,11                                                                            |
| 5200009134      | 31.03.2017   | 509.369,31                                                                             |
| 5200009673      | 01.04.2017   | -509.369,31                                                                            |
| 5200002660      | 31.01.2017   | 509.252,25                                                                             |
| 5200003210      | 01.02.2017   | -509.252,25                                                                            |
| 5200013615      | 30.04.2017   | 508.869,41                                                                             |
| 5200014172      | 01.05.2017   | -508.869,41                                                                            |
| 2701893         | 31.12.2000   | 507.517,88                                                                             |
| 2701885         | 04.01.2001   | -507.517,88                                                                            |
| 5200017460      | 30.06.2015   | 505.928,95                                                                             |
| 5200017813      | 01.07.2015   | -505.928,95                                                                            |
| 5000001810      | 30.11.2017   | 503.000,00                                                                             |
| 5000002163      | 31.12.2017   | 502.404,00                                                                             |
| 5000002216      | 31.12.2017   | -502.404,00                                                                            |
| 2739059         | 30.04.1997   | 500.692,36                                                                             |
| 2739066         | 06.05.1997   | -500.692,36                                                                            |
| 5200004253      | 28.02.2014   | 498.905,44                                                                             |
| 5200004654      | 01.03.2014   | -498.905,44                                                                            |
| 52000026428     | 30.09.2013   | 497.643,10                                                                             |
| 52000026797     | 01.10.2013   | -497.643,10                                                                            |
| 5200007371      | 28.02.2013   | 495.833,80                                                                             |
| 5200007704      | 01.03.2013   | -495.833,80                                                                            |
| 52000023877     | 31.08.2013   | 492.559,48                                                                             |
| 52000024230     | 01.09.2013   | -492.559,48                                                                            |
| 2744851         | 30.09.1997   | 491.419,29                                                                             |
| 2744858         | 06.10.1997   | -491.419,29                                                                            |
| 5200001727      | 31.05.2001   | 487.938,24                                                                             |
| 5200001754      | 01.06.2001   | -487.938,24                                                                            |
| 52000000026     | 30.04.2001   | 487.809,15                                                                             |
| 52000000053     | 01.05.2001   | -487.809,15                                                                            |
| 5200016672      | 30.06.2016   | 487.225,77                                                                             |
| 5200017133      | 01.07.2016   | -487.225,77                                                                            |
| 2762081         | 30.11.1998   | 487.144,94                                                                             |
| 2762088         | 03.12.1998   | -487.144,94                                                                            |
| 2748431         | 31.12.1997   | 486.103,58                                                                             |
| 2748438         | 05.01.1998   | -486.103,58                                                                            |
| 2778224         | 31.12.1999   | 485.553,55                                                                             |
| 2778231         | 05.01.2000   | -485.553,55                                                                            |
| 5200040145      | 30.11.2017   | 485.364,53                                                                             |
| 5200040695      | 01.12.2017   | -485.364,53                                                                            |
| 5200035538      | 31.10.2017   | 481.996,47                                                                             |
| 5200036094      | 01.11.2017   | -481.996,47                                                                            |
| 5200004424      | 28.02.2015   | 481.762,95                                                                             |
| 5200004855      | 01.03.2015   | -481.762,95                                                                            |
| 5200036266      | 30.11.2001   | 480.539,01                                                                             |
| 5200036292      | 01.12.2001   | -480.539,01                                                                            |
| 5200020158      | 31.07.2015   | 478.061,71                                                                             |
| 5200020526      | 01.08.2015   | -478.061,71                                                                            |
| 5200008931      | 31.08.2003   | 476.971,79                                                                             |
| 5200008957      | 01.09.2003   | -476.971,79                                                                            |
| 5200003014      | 31.01.2013   | 476.906,76                                                                             |
| 5200003356      | 01.02.2013   | -476.906,76                                                                            |
| 5200020942      | 31.08.2014   | 476.397,44                                                                             |
| 5200021375      | 01.09.2014   | -476.397,44                                                                            |
| 5200015211      | 30.06.2014   | 473.757,84                                                                             |
| 5200015641      | 01.07.2014   | -473.757,84                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2752218         | 31.03.1998   | 472.780,20                                                                             |
| 2752226         | 03.04.1998   | -472.780,20                                                                            |
| 5200031757      | 30.11.2013   | 472.579,38                                                                             |
| 5200032113      | 01.12.2013   | -472.579,38                                                                            |
| 2729871         | 30.11.1996   | 471.249,56                                                                             |
| 2729879         | 04.12.1996   | -471.249,56                                                                            |
| 5200032523      | 30.11.2016   | 470.147,28                                                                             |
| 5200032990      | 01.12.2016   | -470.147,28                                                                            |
| 5200028864      | 30.11.2014   | 468.596,69                                                                             |
| 5200029228      | 01.12.2014   | -468.596,69                                                                            |
| 5200013768      | 31.10.2001   | 467.792,63                                                                             |
| 5200013806      | 01.11.2001   | -467.792,63                                                                            |
| 5200003147      | 30.06.2001   | 466.346,94                                                                             |
| 5200003184      | 01.07.2001   | -466.346,94                                                                            |
| 2728658         | 31.10.1996   | 466.126,25                                                                             |
| 2728666         | 05.11.1996   | -466.126,25                                                                            |
| 5200023679      | 30.09.2014   | 462.800,11                                                                             |
| 5200024004      | 01.10.2014   | -462.800,11                                                                            |
| 2781746         | 31.03.2000   | 461.175,40                                                                             |
| 2781753         | 05.04.2000   | -461.175,40                                                                            |
| 5200012914      | 30.04.2013   | 460.972,70                                                                             |
| 5200013265      | 01.05.2013   | -460.972,70                                                                            |
| 5200020204      | 31.07.2015   | 459.738,59                                                                             |
| 5200020572      | 01.08.2015   | -459.738,59                                                                            |
| 2769781         | 31.05.1999   | 452.820,45                                                                             |
| 2769788         | 07.06.1999   | -452.820,45                                                                            |
| 2767405         | 31.03.1999   | 450.881,15                                                                             |
| 2767412         | 07.04.1999   | -450.881,15                                                                            |
| 2778935         | 31.01.2000   | 444.789,07                                                                             |
| 2778942         | 03.02.2000   | -444.789,07                                                                            |
| 2768386         | 30.04.1999   | 444.460,16                                                                             |
| 2768393         | 05.05.1999   | -444.460,16                                                                            |
| 5200005318      | 29.02.2016   | 441.302,26                                                                             |
| 5200005838      | 01.03.2016   | -441.302,26                                                                            |
| 5200031799      | 30.09.2017   | 440.121,26                                                                             |
| 5200032357      | 01.10.2017   | -440.121,26                                                                            |
| 5200035470      | 31.10.2017   | 436.434,40                                                                             |
| 5200036026      | 01.11.2017   | -436.434,40                                                                            |
| 5200010540      | 31.08.2002   | 436.243,26                                                                             |
| 5200010564      | 01.09.2002   | -436.243,26                                                                            |
| 5200021413      | 30.06.2017   | 433.819,08                                                                             |
| 5200021971      | 01.07.2017   | -433.819,08                                                                            |
| 5200018222      | 31.07.2014   | 431.515,75                                                                             |
| 5200018645      | 01.08.2014   | -431.515,75                                                                            |
| 5200000006      | 30.04.2001   | 431.276,75                                                                             |
| 5200000033      | 01.05.2001   | -431.276,75                                                                            |
| 2765992         | 28.02.1999   | 431.159,54                                                                             |
| 2765999         | 03.03.1999   | -431.159,54                                                                            |
| 5200031864      | 30.09.2017   | 429.726,04                                                                             |
| 5200032422      | 01.10.2017   | -429.726,04                                                                            |
| 5200034469      | 31.12.2016   | 428.992,42                                                                             |
| 5200000565      | 01.01.2017   | -428.992,42                                                                            |
| 5200001504      | 31.01.2016   | 427.712,92                                                                             |
| 5200001995      | 01.02.2016   | -427.712,92                                                                            |
| 2749631         | 31.01.1998   | 426.962,07                                                                             |
| 2749638         | 04.02.1998   | -426.962,07                                                                            |
| 5200026169      | 31.10.2014   | 426.487,34                                                                             |
| 5200026522      | 01.11.2014   | -426.487,34                                                                            |
| 5200007667      | 31.03.2015   | 426.374,89                                                                             |
| 5200008071      | 01.04.2015   | -426.374,89                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200009642      | 30.04.2014   | 423.500,22                                                                             |
| 5200010064      | 01.05.2014   | -423.500,22                                                                            |
| 5200028820      | 30.11.2014   | 422.260,98                                                                             |
| 5200029184      | 01.12.2014   | -422.260,98                                                                            |
| 5200015276      | 30.06.2014   | 419.162,47                                                                             |
| 5200015706      | 01.07.2014   | -419.162,47                                                                            |
| 5200035540      | 31.10.2017   | 417.219,29                                                                             |
| 5200036096      | 01.11.2017   | -417.219,29                                                                            |
| 2730992         | 31.12.1996   | 415.823,46                                                                             |
| 2730999         | 06.01.1997   | -415.823,46                                                                            |
| 5200017461      | 30.06.2015   | 415.777,79                                                                             |
| 5200017814      | 01.07.2015   | -415.777,79                                                                            |
| 5200006819      | 31.03.2014   | 415.468,68                                                                             |
| 5200007225      | 01.04.2014   | -415.468,68                                                                            |
| 2738056         | 31.03.1997   | 414.937,11                                                                             |
| 2738063         | 03.04.1997   | -414.937,11                                                                            |
| 5200009068      | 31.03.2017   | 414.328,48                                                                             |
| 5200009607      | 01.04.2017   | -414.328,48                                                                            |
| 5200005903      | 28.02.2017   | 414.294,10                                                                             |
| 5200006446      | 01.03.2017   | -414.294,10                                                                            |
| 2708710         | 30.04.1995   | 412.034,37                                                                             |
| 2708732         | 04.05.1995   | -412.034,37                                                                            |
| 5200018353      | 31.07.2014   | 409.981,72                                                                             |
| 5200018776      | 01.08.2014   | -409.981,72                                                                            |
| 2767402         | 31.03.1999   | 406.593,85                                                                             |
| 2767409         | 07.04.1999   | -406.593,85                                                                            |
| 2743649         | 31.08.1997   | 406.544,28                                                                             |
| 2743656         | 03.09.1997   | -406.544,28                                                                            |
| 5000002163      | 31.12.2017   | 403.100,00                                                                             |
| 5000002163      | 31.12.2017   | 400.365,00                                                                             |
| 5000002216      | 31.12.2017   | -400.365,00                                                                            |
| 2759476         | 30.09.1998   | 398.542,00                                                                             |
| 2759483         | 05.10.1998   | -398.542,00                                                                            |
| 5200011982      | 31.05.2012   | 396.935,36                                                                             |
| 5200012256      | 01.06.2012   | -396.935,36                                                                            |
| 2730997         | 31.12.1996   | 396.103,12                                                                             |
| 2731004         | 06.01.1997   | -396.103,12                                                                            |
| 2781743         | 31.03.2000   | 395.933,27                                                                             |
| 2781750         | 05.04.2000   | -395.933,27                                                                            |
| 5200005266      | 29.02.2016   | 395.676,59                                                                             |
| 5200005786      | 01.03.2016   | -395.676,59                                                                            |
| 5200024433      | 31.07.2017   | 393.589,81                                                                             |
| 5200024982      | 01.08.2017   | -393.589,81                                                                            |
| 2740133         | 31.05.1997   | 389.240,01                                                                             |
| 2740141         | 04.06.1997   | -389.240,01                                                                            |
| 2709645         | 31.05.1995   | 387.409,53                                                                             |
| 2709667         | 06.06.1995   | -387.409,53                                                                            |
| 5200025842      | 31.10.2012   | 386.382,09                                                                             |
| 5200026147      | 01.11.2012   | -386.382,09                                                                            |
| 5200028655      | 30.11.2012   | 386.074,20                                                                             |
| 5200028964      | 01.12.2012   | -386.074,20                                                                            |
| 5200017698      | 31.05.2017   | 385.573,40                                                                             |
| 5200018259      | 01.06.2017   | -385.573,40                                                                            |
| 5000001839      | 30.11.2017   | 380.000,00                                                                             |
| 5200018222      | 30.06.2013   | 379.506,53                                                                             |
| 5200018622      | 01.07.2013   | -379.506,53                                                                            |
| 5200003136      | 30.06.2001   | 376.566,01                                                                             |
| 5200003174      | 01.07.2001   | -376.566,01                                                                            |
| 5200020409      | 31.07.2016   | 374.884,32                                                                             |
| 5200020879      | 01.08.2016   | -374.884,32                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2707994         | 31.03.1995   | 371.475,43                                                                             |
| 2707919         | 07.04.1995   | -371.475,43                                                                            |
| 5200024430      | 31.07.2017   | 370.894,02                                                                             |
| 5200024979      | 01.08.2017   | -370.894,02                                                                            |
| 5000002163      | 31.12.2017   | 368.927,00                                                                             |
| 5000002216      | 31.12.2017   | -368.927,00                                                                            |
| 2739056         | 30.04.1997   | 368.861,69                                                                             |
| 2739063         | 06.05.1997   | -368.861,69                                                                            |
| 5200033774      | 31.12.2015   | 368.319,60                                                                             |
| 5200000488      | 01.01.2016   | -368.319,60                                                                            |
| 5000002204      | 31.12.2017   | -368.000,00                                                                            |
| 5200015490      | 31.05.2013   | 363.974,49                                                                             |
| 5200015850      | 01.06.2013   | -363.974,49                                                                            |
| 2748434         | 31.12.1997   | 361.652,10                                                                             |
| 2748441         | 05.01.1998   | -361.652,10                                                                            |
| 2708010         | 31.03.1995   | 361.001,93                                                                             |
| 2707935         | 07.04.1995   | -361.001,93                                                                            |
| 2715382         | 30.11.1995   | 360.386,82                                                                             |
| 2715389         | 05.12.1995   | -360.386,82                                                                            |
| 5000000966      | 30.06.2017   | 360.000,00                                                                             |
| 5200007668      | 31.03.2015   | 359.397,87                                                                             |
| 5200008072      | 01.04.2015   | -359.397,87                                                                            |
| 5200026545      | 30.09.2016   | 359.145,45                                                                             |
| 5200027001      | 01.10.2016   | -359.145,45                                                                            |
| 5200031605      | 30.11.2013   | 357.001,13                                                                             |
| 5200031961      | 01.12.2013   | -357.001,13                                                                            |
| 2774681         | 30.09.1999   | 356.883,32                                                                             |
| 2774689         | 05.10.1999   | -356.883,32                                                                            |
| 5200036282      | 30.11.2001   | 355.077,31                                                                             |
| 5200036308      | 01.12.2001   | -355.077,31                                                                            |
| 5200029073      | 31.10.2013   | 352.288,86                                                                             |
| 5200029415      | 01.11.2013   | -352.288,86                                                                            |
| 5200032575      | 30.11.2016   | 351.828,70                                                                             |
| 5200033042      | 01.12.2016   | -351.828,70                                                                            |
| 5200001732      | 31.05.2001   | 351.663,55                                                                             |
| 5200001759      | 01.06.2001   | -351.663,55                                                                            |
| 2759473         | 30.09.1998   | 350.678,56                                                                             |
| 2759480         | 05.10.1998   | -350.678,56                                                                            |
| 2758182         | 31.08.1998   | 350.268,08                                                                             |
| 2758189         | 03.09.1998   | -350.268,08                                                                            |
| 5200009329      | 31.07.2002   | 348.365,54                                                                             |
| 5200009353      | 01.08.2002   | -348.365,54                                                                            |
| 5200012273      | 31.05.2014   | 348.230,18                                                                             |
| 5200012720      | 01.06.2014   | -348.230,18                                                                            |
| 5200004677      | 30.04.2003   | 347.698,18                                                                             |
| 5200004705      | 01.05.2003   | -347.698,18                                                                            |
| 2741293         | 30.06.1997   | 346.159,17                                                                             |
| 2741300         | 03.07.1997   | -346.159,17                                                                            |
| 2775771         | 31.10.1999   | 344.943,29                                                                             |
| 2775778         | 03.11.1999   | -344.943,29                                                                            |
| 2778227         | 31.12.1999   | 344.925,05                                                                             |
| 2778234         | 05.01.2000   | -344.925,05                                                                            |
| 5200033773      | 31.12.2015   | 343.198,88                                                                             |
| 5200000487      | 01.01.2016   | -343.198,88                                                                            |
| 5200023552      | 30.09.2014   | 343.128,65                                                                             |
| 5200023877      | 01.10.2014   | -343.128,65                                                                            |
| 2720442         | 31.03.1996   | 342.563,27                                                                             |
| 2720449         | 04.04.1996   | -342.563,27                                                                            |
| 5200014690      | 30.06.2012   | 341.646,92                                                                             |
| 5200014980      | 01.07.2012   | -341.646,92                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006971      | 31.05.2002   | 341.302,78                                                                             |
| 5200006985      | 01.06.2002   | -341.302,78                                                                            |
| 2710547         | 30.06.1995   | 339.021,30                                                                             |
| 2710569         | 05.07.1995   | -339.021,30                                                                            |
| 2727491         | 30.09.1996   | 334.687,54                                                                             |
| 2727498         | 04.10.1996   | -334.687,54                                                                            |
| 5200007632      | 31.03.2015   | 332.721,65                                                                             |
| 5200008036      | 01.04.2015   | -332.721,65                                                                            |
| 5200007598      | 30.06.2002   | 331.104,24                                                                             |
| 5200007621      | 01.07.2002   | -331.104,24                                                                            |
| 5200012465      | 31.05.2014   | 327.569,09                                                                             |
| 5200012912      | 01.06.2014   | -327.569,09                                                                            |
| 2716268         | 31.12.1995   | 325.104,72                                                                             |
| 2715917         | 31.12.1995   | 325.104,72                                                                             |
| 2716468         | 06.01.1996   | 325.104,72                                                                             |
| 2716460         | 31.12.1995   | -325.104,72                                                                            |
| 2715925         | 06.01.1996   | -325.104,72                                                                            |
| 2716276         | 06.01.1996   | -325.104,72                                                                            |
| 5200020105      | 31.08.2012   | 324.246,40                                                                             |
| 5200020391      | 01.09.2012   | -324.246,40                                                                            |
| 5200023369      | 31.08.2016   | 323.524,01                                                                             |
| 5200023832      | 01.09.2016   | -323.524,01                                                                            |
| 5200029045      | 31.10.2013   | 323.470,81                                                                             |
| 5200029387      | 01.11.2013   | -323.470,81                                                                            |
| 5200012272      | 31.05.2014   | 322.600,25                                                                             |
| 5200012719      | 01.06.2014   | -322.600,25                                                                            |
| 5200026127      | 30.09.2015   | 321.181,76                                                                             |
| 5200026542      | 01.10.2015   | -321.181,76                                                                            |
| 5200014401      | 31.05.2016   | 320.461,78                                                                             |
| 5200014876      | 01.06.2016   | -320.461,78                                                                            |
| 5200004053      | 28.02.2014   | 317.779,94                                                                             |
| 5200004454      | 01.03.2014   | -317.779,94                                                                            |
| 5200028642      | 30.11.2012   | 317.487,52                                                                             |
| 5200028951      | 01.12.2012   | -317.487,52                                                                            |
| 5200001743      | 31.05.2001   | 317.084,04                                                                             |
| 5200001770      | 01.06.2001   | -317.084,04                                                                            |
| 5000002163      | 31.12.2017   | 315.942,00                                                                             |
| 5000002216      | 31.12.2017   | -315.942,00                                                                            |
| 2712464         | 31.08.1995   | 315.253,63                                                                             |
| 2712488         | 04.09.1995   | -315.253,63                                                                            |
| 5200010724      | 30.04.2016   | 312.736,72                                                                             |
| 5200011208      | 01.05.2016   | -312.736,72                                                                            |
| 5200026493      | 30.09.2016   | 312.085,99                                                                             |
| 5200026949      | 01.10.2016   | -312.085,99                                                                            |
| 5200001503      | 31.01.2016   | 311.878,26                                                                             |
| 5200001994      | 01.02.2016   | -311.878,26                                                                            |
| 5200008401      | 31.03.2016   | 311.667,05                                                                             |
| 5200008890      | 01.04.2016   | -311.667,05                                                                            |
| 5200018389      | 30.06.2013   | 310.597,15                                                                             |
| 5200018789      | 01.07.2013   | -310.597,15                                                                            |
| 5200028649      | 30.11.2012   | 308.906,06                                                                             |
| 5200028958      | 01.12.2012   | -308.906,06                                                                            |
| 5200006570      | 31.03.2012   | 306.907,10                                                                             |
| 5200006867      | 01.04.2012   | -306.907,10                                                                            |
| 5200010526      | 31.08.2002   | 306.592,31                                                                             |
| 5200010550      | 01.09.2002   | -306.592,31                                                                            |
| 5200020139      | 31.08.2012   | 305.431,35                                                                             |
| 5200020425      | 01.09.2012   | -305.431,35                                                                            |
| 5200005741      | 30.04.2002   | 304.307,92                                                                             |
| 5200005764      | 01.05.2002   | -304.307,92                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200012939      | 31.10.2002   | 303.717,64                                                                             |
| 5200012961      | 01.11.2002   | -303.717,64                                                                            |
| 2718831         | 29.02.1996   | 302.106,00                                                                             |
| 2718838         | 05.03.1996   | -302.106,00                                                                            |
| 5200029592      | 31.10.2016   | 301.283,65                                                                             |
| 5200030043      | 01.11.2016   | -301.283,65                                                                            |
| 5000002163      | 31.12.2017   | 300.000,00                                                                             |
| 2705194         | 31.12.1994   | 299.117,53                                                                             |
| 2705214         | 02.01.1995   | -299.117,53                                                                            |
| 5200023874      | 31.08.2013   | 297.416,95                                                                             |
| 5200024227      | 01.09.2013   | -297.416,95                                                                            |
| 5200036275      | 30.11.2001   | 297.049,12                                                                             |
| 5200036301      | 01.12.2001   | -297.049,12                                                                            |
| 5200014097      | 30.11.2002   | 296.756,92                                                                             |
| 5200014120      | 01.12.2002   | -296.756,92                                                                            |
| 5200007799      | 31.07.2003   | 294.954,17                                                                             |
| 5200007827      | 01.08.2003   | -294.954,17                                                                            |
| 5200010725      | 30.04.2016   | 293.682,72                                                                             |
| 5200011209      | 01.05.2016   | -293.682,72                                                                            |
| 2706961         | 28.02.1995   | 293.537,64                                                                             |
| 2706982         | 07.03.1995   | -293.537,64                                                                            |
| 5200014738      | 31.05.2015   | 293.283,25                                                                             |
| 5200015129      | 01.06.2015   | -293.283,25                                                                            |
| 5200042461      | 31.12.2017   | 292.867,25                                                                             |
| 2714383         | 01.11.1995   | 292.831,65                                                                             |
| 2714361         | 03.11.1995   | -292.831,65                                                                            |
| 5200003185      | 28.02.2002   | 286.954,42                                                                             |
| 5200003213      | 01.03.2002   | -286.954,42                                                                            |
| 5200008931      | 30.04.2012   | 286.239,65                                                                             |
| 5200009209      | 01.05.2012   | -286.239,65                                                                            |
| 2727494         | 30.09.1996   | 285.458,27                                                                             |
| 2727501         | 04.10.1996   | -285.458,27                                                                            |
| 5200011839      | 30.04.2015   | 277.562,40                                                                             |
| 5200012253      | 01.05.2015   | -277.562,40                                                                            |
| 5200005724      | 30.04.2002   | 276.813,14                                                                             |
| 5200005747      | 01.05.2002   | -276.813,14                                                                            |
| 5200010723      | 30.04.2016   | 276.663,12                                                                             |
| 5200011207      | 01.05.2016   | -276.663,12                                                                            |
| 5200016673      | 30.06.2016   | 276.151,07                                                                             |
| 5200017134      | 01.07.2016   | -276.151,07                                                                            |
| 5200029077      | 31.10.2013   | 274.622,76                                                                             |
| 5200029419      | 01.11.2013   | -274.622,76                                                                            |
| 5200021410      | 30.06.2017   | 274.058,43                                                                             |
| 5200021968      | 01.07.2017   | -274.058,43                                                                            |
| 2762083         | 30.11.1998   | 273.726,28                                                                             |
| 2762090         | 03.12.1998   | -273.726,28                                                                            |
| 5200023759      | 31.08.2013   | 273.067,68                                                                             |
| 5200024112      | 01.09.2013   | -273.067,68                                                                            |
| 5200009579      | 30.04.2014   | 272.690,21                                                                             |
| 5200010001      | 01.05.2014   | -272.690,21                                                                            |
| 5200031196      | 31.12.2014   | 270.388,43                                                                             |
| 5200000523      | 01.01.2015   | -270.388,43                                                                            |
| 2708692         | 30.04.1995   | 270.323,81                                                                             |
| 2708714         | 04.05.1995   | -270.323,81                                                                            |
| 5200006962      | 31.05.2002   | 269.892,27                                                                             |
| 5200006976      | 01.06.2002   | -269.892,27                                                                            |
| 5200010263      | 30.09.2003   | 269.826,06                                                                             |
| 5200010289      | 01.10.2003   | -269.826,06                                                                            |
| 5200009330      | 31.07.2002   | 269.451,02                                                                             |
| 5200009354      | 01.08.2002   | -269.451,02                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200010527      | 31.08.2002   | 267.816,39                                                                             |
| 5200010551      | 01.09.2002   | -267.816,39                                                                            |
| 5200004099      | 29.02.2012   | 266.927,84                                                                             |
| 5200004371      | 01.03.2012   | -266.927,84                                                                            |
| 5200011784      | 31.10.2003   | 266.752,46                                                                             |
| 5200011808      | 01.11.2003   | -266.752,46                                                                            |
| 2744854         | 30.09.1997   | 266.305,60                                                                             |
| 2744861         | 06.10.1997   | -266.305,60                                                                            |
| 2712475         | 31.08.1995   | 265.562,80                                                                             |
| 2712499         | 04.09.1995   | -265.562,80                                                                            |
| 5200014289      | 31.12.2003   | 265.181,84                                                                             |
| 5200000385      | 01.01.2004   | -265.181,84                                                                            |
| 5200022128      | 30.09.2012   | 264.757,50                                                                             |
| 5200022422      | 01.10.2012   | -264.757,50                                                                            |
| 5200006679      | 31.03.2012   | 264.717,87                                                                             |
| 5200006976      | 01.04.2012   | -264.717,87                                                                            |
| 5200011777      | 31.10.2003   | 264.682,72                                                                             |
| 5200013180      | 30.11.2003   | 264.682,72                                                                             |
| 5200011801      | 01.11.2003   | -264.682,72                                                                            |
| 5200013203      | 01.12.2003   | -264.682,72                                                                            |
| 5200015494      | 31.05.2013   | 263.794,17                                                                             |
| 5200015854      | 01.06.2013   | -263.794,17                                                                            |
| 5200009029      | 30.04.2012   | 262.750,11                                                                             |
| 5200009307      | 01.05.2012   | -262.750,11                                                                            |
| 2713386         | 30.09.1995   | 261.956,12                                                                             |
| 2713412         | 05.10.1995   | -261.956,12                                                                            |
| 5200020159      | 31.12.2011   | 261.127,56                                                                             |
| 5200000632      | 01.01.2012   | -261.127,56                                                                            |
| 5200023314      | 31.08.2016   | 260.052,03                                                                             |
| 5200023777      | 01.09.2016   | -260.052,03                                                                            |
| 5200004061      | 29.02.2012   | 258.937,31                                                                             |
| 5200004333      | 01.03.2012   | -258.937,31                                                                            |
| 5200011719      | 30.09.2002   | 257.094,53                                                                             |
| 5200011742      | 01.10.2002   | -257.094,53                                                                            |
| 5200029222      | 31.10.2013   | 256.757,88                                                                             |
| 5200029564      | 01.11.2013   | -256.757,88                                                                            |
| 5200026314      | 31.10.2014   | 255.522,69                                                                             |
| 5200026667      | 01.11.2014   | -255.522,69                                                                            |
| 5200018166      | 31.07.2014   | 254.682,84                                                                             |
| 5200018589      | 01.08.2014   | -254.682,84                                                                            |
| 5200014656      | 30.06.2012   | 253.555,53                                                                             |
| 5200014946      | 01.07.2012   | -253.555,53                                                                            |
| 2728654         | 31.10.1996   | 253.551,45                                                                             |
| 2728662         | 05.11.1996   | -253.551,45                                                                            |
| 5000001239      | 14.08.2017   | -252.916,07                                                                            |
| 5200009786      | 30.04.2014   | 251.163,77                                                                             |
| 5200010208      | 01.05.2014   | -251.163,77                                                                            |
| 5200013749      | 31.10.2001   | 251.037,45                                                                             |
| 5200013787      | 01.11.2001   | -251.037,45                                                                            |
| 5200006821      | 31.03.2014   | 249.817,83                                                                             |
| 5200007227      | 01.04.2014   | -249.817,83                                                                            |
| 5200013186      | 30.11.2003   | 249.514,03                                                                             |
| 5200013209      | 01.12.2003   | -249.514,03                                                                            |
| 2726352         | 31.08.1996   | 248.768,69                                                                             |
| 2726359         | 04.09.1996   | -248.768,69                                                                            |
| 5200031294      | 31.12.2014   | 248.713,21                                                                             |
| 5200015654      | 31.05.2013   | 248.634,59                                                                             |
| 5200016014      | 01.06.2013   | -248.634,59                                                                            |
| 5200003067      | 31.01.2013   | 247.621,56                                                                             |
| 5200003409      | 01.02.2013   | -247.621,56                                                                            |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031158      | 31.12.2014   | 247.110,70                                                                             |
| 5200000485      | 01.01.2015   | -247.110,70                                                                            |
| 5200000025      | 30.04.2001   | 246.352,03                                                                             |
| 5200000052      | 01.05.2001   | -246.352,03                                                                            |
| 5200026432      | 30.09.2013   | 246.279,39                                                                             |
| 5200026801      | 01.10.2013   | -246.279,39                                                                            |
| 5200003195      | 28.02.2002   | 246.237,60                                                                             |
| 5200003223      | 01.03.2002   | -246.237,60                                                                            |
| 5200006963      | 31.05.2002   | 245.598,66                                                                             |
| 5200006977      | 01.06.2002   | -245.598,66                                                                            |
| 5200015210      | 30.06.2014   | 242.817,53                                                                             |
| 5200015640      | 01.07.2014   | -242.817,53                                                                            |
| 2768389         | 30.04.1999   | 241.791,88                                                                             |
| 2768396         | 05.05.1999   | -241.791,88                                                                            |
| 5200021202      | 31.07.2013   | 241.334,77                                                                             |
| 5200021559      | 01.08.2013   | -241.334,77                                                                            |
| 5200022161      | 30.09.2012   | 241.117,26                                                                             |
| 5200022455      | 01.10.2012   | -241.117,26                                                                            |
| 5200010369      | 31.03.2013   | 240.104,14                                                                             |
| 5200010712      | 01.04.2013   | -240.104,14                                                                            |
| 5200018226      | 30.06.2013   | 239.922,42                                                                             |
| 5200018626      | 01.07.2013   | -239.922,42                                                                            |
| 5200020887      | 31.08.2014   | 238.784,19                                                                             |
| 5200021320      | 01.09.2014   | -238.784,19                                                                            |
| 5200004463      | 28.02.2015   | 238.634,24                                                                             |
| 5200004894      | 01.03.2015   | -238.634,24                                                                            |
| 5200023710      | 31.08.2013   | 238.481,34                                                                             |
| 5200024063      | 01.09.2013   | -238.481,34                                                                            |
| 5200004423      | 28.02.2015   | 234.525,79                                                                             |
| 5200004854      | 01.03.2015   | -234.525,79                                                                            |
| 5200010372      | 31.03.2013   | 233.982,23                                                                             |
| 5200010715      | 01.04.2013   | -233.982,23                                                                            |
| 5200015428      | 30.06.2014   | 233.812,21                                                                             |
| 5200015858      | 01.07.2014   | -233.812,21                                                                            |
| 2716264         | 31.12.1995   | 231.954,08                                                                             |
| 2715913         | 31.12.1995   | 231.954,08                                                                             |
| 2716464         | 06.01.1996   | 231.954,08                                                                             |
| 2716456         | 31.12.1995   | -231.954,08                                                                            |
| 2715921         | 06.01.1996   | -231.954,08                                                                            |
| 2716272         | 06.01.1996   | -231.954,08                                                                            |
| 5200031086      | 31.12.2012   | 231.586,42                                                                             |
| 5200000703      | 01.01.2013   | -231.586,42                                                                            |
| 5200020086      | 31.12.2011   | 231.296,83                                                                             |
| 5200000559      | 01.01.2012   | -231.296,83                                                                            |
| 5200008935      | 30.04.2012   | 230.881,22                                                                             |
| 5200009213      | 01.05.2012   | -230.881,22                                                                            |
| 5200031024      | 31.12.2012   | 230.588,00                                                                             |
| 5200000641      | 01.01.2013   | -230.588,00                                                                            |
| 5200012977      | 30.04.2013   | 229.929,96                                                                             |
| 5200013328      | 01.05.2013   | -229.929,96                                                                            |
| 2714376         | 01.11.1995   | 229.459,12                                                                             |
| 2714354         | 03.11.1995   | -229.459,12                                                                            |
| 2764649         | 31.01.1999   | 227.694,63                                                                             |
| 2764656         | 03.02.1999   | -227.694,63                                                                            |
| 5200040143      | 30.11.2017   | 226.799,20                                                                             |
| 5200040693      | 01.12.2017   | -226.799,20                                                                            |
| 5200007427      | 28.02.2013   | 226.499,52                                                                             |
| 5200007760      | 01.03.2013   | -226.499,52                                                                            |
| 2716262         | 31.12.1995   | 225.533,54                                                                             |
| 2715911         | 31.12.1995   | 225.533,54                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2716462         | 06.01.1996   | 225.533,54                                                                             |
| 2716454         | 31.12.1995   | -225.533,54                                                                            |
| 2715919         | 06.01.1996   | -225.533,54                                                                            |
| 2716270         | 06.01.1996   | -225.533,54                                                                            |
| 5200007514      | 28.02.2013   | 224.875,61                                                                             |
| 5200007847      | 01.03.2013   | -224.875,61                                                                            |
| 5200022920      | 31.08.2015   | 224.404,48                                                                             |
| 5200023300      | 01.09.2015   | -224.404,48                                                                            |
| 5200006609      | 31.03.2012   | 224.013,70                                                                             |
| 5200006906      | 01.04.2012   | -224.013,70                                                                            |
| 5200005648      | 31.08.2001   | 223.967,54                                                                             |
| 5200005674      | 01.09.2001   | -223.967,54                                                                            |
| 5200001411      | 31.01.2002   | 223.330,00                                                                             |
| 5200001444      | 01.02.2002   | -223.330,00                                                                            |
| 5200005641      | 31.08.2001   | 221.410,55                                                                             |
| 5200005667      | 01.09.2001   | -221.410,55                                                                            |
| 5200001405      | 31.01.2002   | 221.273,52                                                                             |
| 5200001439      | 01.02.2002   | -221.273,52                                                                            |
| 5200004054      | 28.02.2014   | 220.857,52                                                                             |
| 5200004455      | 01.03.2014   | -220.857,52                                                                            |
| 5200025797      | 31.10.2012   | 220.763,29                                                                             |
| 5200026102      | 01.11.2012   | -220.763,29                                                                            |
| 5200004492      | 31.03.2002   | 218.431,82                                                                             |
| 5200004513      | 01.04.2002   | -218.431,82                                                                            |
| 5200017702      | 31.05.2017   | 218.161,90                                                                             |
| 5200018263      | 01.06.2017   | -218.161,90                                                                            |
| 5200018286      | 30.06.2013   | 218.097,15                                                                             |
| 5200018686      | 01.07.2013   | -218.097,15                                                                            |
| 5200010279      | 31.03.2013   | 218.049,73                                                                             |
| 5200015553      | 31.05.2013   | 218.049,73                                                                             |
| 5200010622      | 01.04.2013   | -218.049,73                                                                            |
| 5200015913      | 01.06.2013   | -218.049,73                                                                            |
| 5200014696      | 30.06.2012   | 217.948,65                                                                             |
| 5200014986      | 01.07.2012   | -217.948,65                                                                            |
| 5200026138      | 31.10.2014   | 217.191,06                                                                             |
| 5200026491      | 01.11.2014   | -217.191,06                                                                            |
| 5200007811      | 31.07.2003   | 215.946,50                                                                             |
| 5200007839      | 01.08.2003   | -215.946,50                                                                            |
| 2705196         | 31.12.1994   | 214.864,28                                                                             |
| 2705216         | 02.01.1995   | -214.864,28                                                                            |
| 5200003178      | 28.02.2002   | 213.894,56                                                                             |
| 5200003206      | 01.03.2002   | -213.894,56                                                                            |
| 2720439         | 31.03.1996   | 213.427,28                                                                             |
| 2720446         | 04.04.1996   | -213.427,28                                                                            |
| 5000002163      | 31.12.2017   | 213.380,00                                                                             |
| 5000002216      | 31.12.2017   | -213.380,00                                                                            |
| 5200013679      | 30.04.2017   | 212.271,76                                                                             |
| 5200014236      | 01.05.2017   | -212.271,76                                                                            |
| 5200013745      | 31.10.2001   | 210.065,33                                                                             |
| 5200013783      | 01.11.2001   | -210.065,33                                                                            |
| 5200032574      | 30.11.2016   | 208.576,04                                                                             |
| 5200033041      | 01.12.2016   | -208.576,04                                                                            |
| 5200031648      | 30.11.2013   | 207.840,77                                                                             |
| 5200032004      | 01.12.2013   | -207.840,77                                                                            |
| 5200002721      | 31.01.2017   | 207.136,80                                                                             |
| 5200003271      | 01.02.2017   | -207.136,80                                                                            |
| 5200008942      | 31.08.2003   | 206.997,03                                                                             |
| 5200008968      | 01.09.2003   | -206.997,03                                                                            |
| 5200007599      | 30.06.2002   | 206.931,03                                                                             |
| 5200007622      | 01.07.2002   | -206.931,03                                                                            |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200013765      | 31.10.2001   | 206.035,15                                                                             |
| 5200013803      | 01.11.2001   | -206.035,15                                                                            |
| 2763334         | 31.12.1998   | 205.056,48                                                                             |
| 2763341         | 06.01.1999   | -205.056,48                                                                            |
| 5200004057      | 29.02.2012   | 204.670,52                                                                             |
| 5200004329      | 01.03.2012   | -204.670,52                                                                            |
| 5200034523      | 31.12.2016   | 204.257,28                                                                             |
| 5200000619      | 01.01.2017   | -204.257,28                                                                            |
| 5200021095      | 31.07.2013   | 203.878,31                                                                             |
| 5200021452      | 01.08.2013   | -203.878,31                                                                            |
| 2705990         | 31.01.1995   | 203.504,32                                                                             |
| 2706004         | 07.02.1995   | -203.504,32                                                                            |
| 5200021258      | 31.07.2013   | 203.222,90                                                                             |
| 5200021615      | 01.08.2013   | -203.222,90                                                                            |
| 5200008943      | 31.08.2003   | 203.210,37                                                                             |
| 5200008969      | 01.09.2003   | -203.210,37                                                                            |
| 5200029078      | 31.10.2013   | 202.530,11                                                                             |
| 5200029420      | 01.11.2013   | -202.530,11                                                                            |
| 5200029593      | 31.10.2016   | 202.373,08                                                                             |
| 5200030044      | 01.11.2016   | -202.373,08                                                                            |
| 5200042695      | 31.12.2017   | 201.649,77                                                                             |
| 5200012940      | 31.10.2002   | 200.930,59                                                                             |
| 5200012962      | 01.11.2002   | -200.930,59                                                                            |
| 5200005498      | 29.02.2016   | 200.302,69                                                                             |
| 5200006018      | 01.03.2016   | -200.302,69                                                                            |
| 5000001698      | 31.12.2016   | 200.000,00                                                                             |
| 5000002044      | 31.12.2017   | 200.000,00                                                                             |
| 5000002162      | 31.12.2017   | 200.000,00                                                                             |
| 5200031600      | 30.11.2013   | 199.006,49                                                                             |
| 5200031956      | 01.12.2013   | -199.006,49                                                                            |
| 5200015657      | 31.05.2013   | 198.411,52                                                                             |
| 5200016017      | 01.06.2013   | -198.411,52                                                                            |
| 5200005655      | 31.08.2001   | 197.767,36                                                                             |
| 5200005681      | 01.09.2001   | -197.767,36                                                                            |
| 5200028721      | 30.11.2012   | 197.050,11                                                                             |
| 5200029030      | 01.12.2012   | -197.050,11                                                                            |
| 5200001404      | 31.01.2002   | 196.160,37                                                                             |
| 5200001438      | 01.02.2002   | -196.160,37                                                                            |
| 5200042458      | 31.12.2017   | 195.834,38                                                                             |
| 2840404         | 31.07.1995   | 195.412,42                                                                             |
| 2840405         | 01.08.1995   | -195.412,42                                                                            |
| 2718101         | 31.01.1996   | 194.522,61                                                                             |
| 2718108         | 05.02.1996   | -194.522,61                                                                            |
| 5200028948      | 31.10.2015   | 194.520,92                                                                             |
| 5200029356      | 01.11.2015   | -194.520,92                                                                            |
| 5200002219      | 31.01.2012   | 194.225,57                                                                             |
| 5200002462      | 01.02.2012   | -194.225,57                                                                            |
| 5200033804      | 31.12.2013   | 194.078,12                                                                             |
| 5200000498      | 01.01.2014   | -194.078,12                                                                            |
| 5200000017      | 30.04.2001   | 193.736,82                                                                             |
| 5200000044      | 01.05.2001   | -193.736,82                                                                            |
| 5200013682      | 30.04.2017   | 193.506,50                                                                             |
| 5200014239      | 01.05.2017   | -193.506,50                                                                            |
| 5200007019      | 31.03.2014   | 192.639,92                                                                             |
| 5200007425      | 01.04.2014   | -192.639,92                                                                            |
| 5200014098      | 30.11.2002   | 192.540,54                                                                             |
| 5200014121      | 01.12.2002   | -192.540,54                                                                            |
| 2722723         | 31.05.1996   | 191.667,10                                                                             |
| 2722730         | 05.06.1996   | -191.667,10                                                                            |
| 5200036269      | 30.11.2001   | 191.558,41                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200036295      | 01.12.2001   | -191.558,41                                                                            |
| 5200002305      | 31.01.2012   | 190.905,92                                                                             |
| 5200002548      | 01.02.2012   | -190.905,92                                                                            |
| 5200012024      | 31.05.2012   | 190.531,36                                                                             |
| 5200012298      | 01.06.2012   | -190.531,36                                                                            |
| 5200012083      | 31.05.2012   | 189.473,02                                                                             |
| 5200012357      | 01.06.2012   | -189.473,02                                                                            |
| 5200004252      | 31.07.2001   | 189.401,36                                                                             |
| 5200004279      | 01.08.2001   | -189.401,36                                                                            |
| 5200033932      | 31.12.2013   | 188.089,44                                                                             |
| 5200000626      | 01.01.2014   | -188.089,44                                                                            |
| 5200023675      | 31.08.2013   | 187.575,73                                                                             |
| 5200024028      | 01.09.2013   | -187.575,73                                                                            |
| 2718834         | 29.02.1996   | 186.735,03                                                                             |
| 2718841         | 05.03.1996   | -186.735,03                                                                            |
| 5200002166      | 31.01.2015   | 185.578,49                                                                             |
| 5200002590      | 01.02.2015   | -185.578,49                                                                            |
| 5200010543      | 31.08.2002   | 185.525,52                                                                             |
| 5200010567      | 01.09.2002   | -185.525,52                                                                            |
| 5200009547      | 30.04.2014   | 185.161,71                                                                             |
| 5200009969      | 01.05.2014   | -185.161,71                                                                            |
| 5200011986      | 31.05.2012   | 184.803,96                                                                             |
| 5200012260      | 01.06.2012   | -184.803,96                                                                            |
| 5200007794      | 31.07.2003   | 184.760,17                                                                             |
| 5200007822      | 01.08.2003   | -184.760,17                                                                            |
| 5000002216      | 31.12.2017   | -184.300,00                                                                            |
| 5200008969      | 30.04.2012   | 183.626,85                                                                             |
| 5200009247      | 01.05.2012   | -183.626,85                                                                            |
| 5200004506      | 31.03.2002   | 183.324,53                                                                             |
| 5200004527      | 01.04.2002   | -183.324,53                                                                            |
| 5200025831      | 31.10.2012   | 183.224,50                                                                             |
| 5200026136      | 01.11.2012   | -183.224,50                                                                            |
| 5200013073      | 30.04.2013   | 183.208,73                                                                             |
| 5200013424      | 01.05.2013   | -183.208,73                                                                            |
| 5000002163      | 31.12.2017   | 183.127,00                                                                             |
| 5000002216      | 31.12.2017   | -183.127,00                                                                            |
| 5200009580      | 30.04.2014   | 182.971,30                                                                             |
| 5200010002      | 01.05.2014   | -182.971,30                                                                            |
| 5200011771      | 31.10.2003   | 182.450,42                                                                             |
| 5200011795      | 01.11.2003   | -182.450,42                                                                            |
| 5200014739      | 31.05.2015   | 180.254,12                                                                             |
| 5200015130      | 01.06.2015   | -180.254,12                                                                            |
| 5200001728      | 31.05.2001   | 179.878,90                                                                             |
| 5200001755      | 01.06.2001   | -179.878,90                                                                            |
| 2726349         | 31.08.1996   | 178.510,69                                                                             |
| 2726356         | 04.09.1996   | -178.510,69                                                                            |
| 5200005725      | 30.04.2002   | 177.848,08                                                                             |
| 5200005748      | 01.05.2002   | -177.848,08                                                                            |
| 5200028607      | 30.11.2012   | 177.136,33                                                                             |
| 5200028916      | 01.12.2012   | -177.136,33                                                                            |
| 5000002092      | 31.12.2017   | 176.300,00                                                                             |
| 5200010220      | 31.03.2013   | 175.923,80                                                                             |
| 5200010563      | 01.04.2013   | -175.923,80                                                                            |
| 5200020888      | 31.08.2014   | 174.446,16                                                                             |
| 5200021321      | 01.09.2014   | -174.446,16                                                                            |
| 2721610         | 30.04.1996   | 174.124,78                                                                             |
| 2721617         | 06.05.1996   | -174.124,78                                                                            |
| 5200001455      | 31.01.2016   | 173.899,57                                                                             |
| 5200001946      | 01.02.2016   | -173.899,57                                                                            |
| 5200026397      | 30.09.2013   | 173.331,86                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026766      | 01.10.2013   | -173.331,86                                                                            |
| 5200013076      | 30.04.2013   | 173.132,44                                                                             |
| 5200013427      | 01.05.2013   | -173.132,44                                                                            |
| 5200012015      | 31.05.2012   | 172.425,77                                                                             |
| 5200012289      | 01.06.2012   | -172.425,77                                                                            |
| 5200023705      | 31.08.2013   | 171.135,04                                                                             |
| 5200024058      | 01.09.2013   | -171.135,04                                                                            |
| 5200002129      | 31.01.2015   | 170.494,57                                                                             |
| 5200002553      | 01.02.2015   | -170.494,57                                                                            |
| 5200002131      | 31.01.2015   | 169.756,95                                                                             |
| 5200002555      | 01.02.2015   | -169.756,95                                                                            |
| 2718104         | 31.01.1996   | 169.116,16                                                                             |
| 2718111         | 05.02.1996   | -169.116,16                                                                            |
| 5200014880      | 31.05.2015   | 168.720,67                                                                             |
| 5200015271      | 01.06.2015   | -168.720,67                                                                            |
| 5200011720      | 30.09.2002   | 167.342,86                                                                             |
| 5200011743      | 01.10.2002   | -167.342,86                                                                            |
| 5200001344      | 31.01.2014   | 166.277,59                                                                             |
| 5200001716      | 01.02.2014   | -166.277,59                                                                            |
| 5200037329      | 31.12.2001   | 166.078,07                                                                             |
| 5200000577      | 01.01.2002   | -166.078,07                                                                            |
| 5200004532      | 28.02.2015   | 165.771,60                                                                             |
| 5200004963      | 01.03.2015   | -165.771,60                                                                            |
| 5200006757      | 30.06.2003   | 165.600,33                                                                             |
| 5200006783      | 01.07.2003   | -165.600,33                                                                            |
| 2736780         | 28.02.1997   | 164.082,71                                                                             |
| 2736787         | 05.03.1997   | -164.082,71                                                                            |
| 5200021594      | 30.06.2017   | 163.953,06                                                                             |
| 5200022152      | 01.07.2017   | -163.953,06                                                                            |
| 5200020108      | 31.08.2012   | 162.981,26                                                                             |
| 5200020394      | 01.09.2012   | -162.981,26                                                                            |
| 2725113         | 31.07.1996   | 162.752,34                                                                             |
| 2725120         | 05.08.1996   | -162.752,34                                                                            |
| 5200004493      | 31.03.2002   | 162.296,25                                                                             |
| 5200004514      | 01.04.2002   | -162.296,25                                                                            |
| 5200010226      | 31.03.2013   | 161.556,13                                                                             |
| 5200010569      | 01.04.2013   | -161.556,13                                                                            |
| 5000002157      | 31.12.2017   | 161.000,00                                                                             |
| 5200022167      | 30.09.2012   | 159.856,24                                                                             |
| 5200022461      | 01.10.2012   | -159.856,24                                                                            |
| 5200013756      | 31.10.2001   | 159.318,65                                                                             |
| 5200013794      | 01.11.2001   | -159.318,65                                                                            |
| 5200025902      | 31.10.2012   | 158.846,46                                                                             |
| 5200026207      | 01.11.2012   | -158.846,46                                                                            |
| 5200021100      | 31.07.2013   | 158.560,94                                                                             |
| 5200021457      | 01.08.2013   | -158.560,94                                                                            |
| 5200005731      | 31.05.2003   | 158.432,80                                                                             |
| 5200005758      | 01.06.2003   | -158.432,80                                                                            |
| 5200022223      | 30.09.2012   | 157.883,89                                                                             |
| 5200022517      | 01.10.2012   | -157.883,89                                                                            |
| 5200011733      | 30.09.2002   | 157.560,28                                                                             |
| 5200011756      | 01.10.2002   | -157.560,28                                                                            |
| 5200004671      | 30.04.2003   | 156.002,66                                                                             |
| 5200004699      | 01.05.2003   | -156.002,66                                                                            |
| 5200016671      | 30.06.2016   | 155.741,55                                                                             |
| 5200017132      | 01.07.2016   | -155.741,55                                                                            |
| 5200010881      | 30.04.2016   | 154.045,60                                                                             |
| 5200011365      | 01.05.2016   | -154.045,60                                                                            |
| 5200004390      | 28.02.2015   | 154.019,10                                                                             |
| 5200004821      | 01.03.2015   | -154.019,10                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002163      | 31.12.2017   | 154.000,00                                                                             |
| 5200026571      | 30.09.2013   | 153.892,96                                                                             |
| 5200026940      | 01.10.2013   | -153.892,96                                                                            |
| 5200010267      | 30.09.2003   | 153.490,41                                                                             |
| 5200010293      | 01.10.2003   | -153.490,41                                                                            |
| 5200031604      | 30.11.2013   | 152.423,77                                                                             |
| 5200031960      | 01.12.2013   | -152.423,77                                                                            |
| 5200028987      | 31.10.2015   | 152.086,26                                                                             |
| 5200029395      | 01.11.2015   | -152.086,26                                                                            |
| 5200020294      | 31.07.2015   | 151.649,34                                                                             |
| 5200020662      | 01.08.2015   | -151.649,34                                                                            |
| 5200013173      | 30.11.2003   | 150.661,72                                                                             |
| 5200013196      | 01.12.2003   | -150.661,72                                                                            |
| 5000001423      | 30.09.2017   | 150.000,00                                                                             |
| 5000002018      | 31.12.2017   | 150.000,00                                                                             |
| 5000002044      | 31.12.2017   | 150.000,00                                                                             |
| 5200037326      | 31.12.2001   | 149.881,32                                                                             |
| 5200000574      | 01.01.2002   | -149.881,32                                                                            |
| 5200004235      | 31.07.2001   | 149.805,62                                                                             |
| 5200004262      | 01.08.2001   | -149.805,62                                                                            |
| 5000002163      | 31.12.2017   | 149.674,82                                                                             |
| 5000002163      | 31.12.2017   | 149.300,00                                                                             |
| 5000002216      | 31.12.2017   | -149.300,00                                                                            |
| 5200033776      | 31.12.2013   | 148.813,96                                                                             |
| 5200000470      | 01.01.2014   | -148.813,96                                                                            |
| 5000002163      | 31.12.2017   | 146.732,00                                                                             |
| 5000002216      | 31.12.2017   | -146.732,00                                                                            |
| 5000002163      | 31.12.2017   | 146.300,00                                                                             |
| 5000002216      | 31.12.2017   | -146.300,00                                                                            |
| 5000002052      | 31.12.2017   | 145.000,00                                                                             |
| 5200010270      | 31.03.2013   | 144.927,38                                                                             |
| 5200010613      | 01.04.2013   | -144.927,38                                                                            |
| 5200026164      | 30.09.2015   | 144.484,49                                                                             |
| 5200026579      | 01.10.2015   | -144.484,49                                                                            |
| 5200004160      | 29.02.2012   | 143.854,40                                                                             |
| 5200004432      | 01.03.2012   | -143.854,40                                                                            |
| 5200018167      | 31.07.2014   | 143.759,40                                                                             |
| 5200018590      | 01.08.2014   | -143.759,40                                                                            |
| 5000002163      | 31.12.2017   | 143.636,00                                                                             |
| 5000002216      | 31.12.2017   | -143.636,00                                                                            |
| 2532614         | 30.06.1998   | 143.053,86                                                                             |
| 2532615         | 01.07.1998   | -143.053,86                                                                            |
| 5200023370      | 31.08.2016   | 142.083,20                                                                             |
| 5200023833      | 01.09.2016   | -142.083,20                                                                            |
| 5200030980      | 31.12.2012   | 141.682,81                                                                             |
| 5200000597      | 01.01.2013   | -141.682,81                                                                            |
| 5200023709      | 31.08.2013   | 141.544,15                                                                             |
| 5200024062      | 01.09.2013   | -141.544,15                                                                            |
| 5200003180      | 28.02.2002   | 140.536,11                                                                             |
| 5200003208      | 01.03.2002   | -140.536,11                                                                            |
| 5200007616      | 30.06.2002   | 140.249,22                                                                             |
| 5200007639      | 01.07.2002   | -140.249,22                                                                            |
| 5000002141      | 31.12.2017   | 140.000,00                                                                             |
| 5200001726      | 31.05.2001   | 139.205,25                                                                             |
| 5200001753      | 01.06.2001   | -139.205,25                                                                            |
| 5200004497      | 31.03.2002   | 138.196,07                                                                             |
| 5200004518      | 01.04.2002   | -138.196,07                                                                            |
| 5200009136      | 31.03.2017   | 138.194,55                                                                             |
| 5200009675      | 01.04.2017   | -138.194,55                                                                            |
| 5200002897      | 31.01.2017   | 137.830,45                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200003447      | 01.02.2017   | -137.830,45                                                                            |
| 5200006817      | 31.03.2014   | 137.637,81                                                                             |
| 5200007223      | 01.04.2014   | -137.637,81                                                                            |
| 5200007372      | 28.02.2013   | 137.600,66                                                                             |
| 5200007705      | 01.03.2013   | -137.600,66                                                                            |
| 5200020296      | 31.07.2015   | 136.738,77                                                                             |
| 5200020664      | 01.08.2015   | -136.738,77                                                                            |
| 5200002497      | 28.02.2003   | 135.511,25                                                                             |
| 5200002524      | 01.03.2003   | -135.511,25                                                                            |
| 5200022131      | 30.09.2012   | 135.288,46                                                                             |
| 5200022425      | 01.10.2012   | -135.288,46                                                                            |
| 5200020561      | 31.07.2016   | 133.398,47                                                                             |
| 5200021031      | 01.08.2016   | -133.398,47                                                                            |
| 5200001670      | 31.01.2016   | 133.348,60                                                                             |
| 5200002161      | 01.02.2016   | -133.348,60                                                                            |
| 5200026694      | 30.09.2016   | 132.542,46                                                                             |
| 5200027150      | 01.10.2016   | -132.542,46                                                                            |
| 5200000761      | 01.01.2017   | -132.062,99                                                                            |
| 5200014882      | 31.05.2015   | 131.732,41                                                                             |
| 5200015273      | 01.06.2015   | -131.732,41                                                                            |
| 5200040333      | 30.11.2017   | 131.577,02                                                                             |
| 5200040883      | 01.12.2017   | -131.577,02                                                                            |
| 5200025837      | 31.10.2012   | 131.318,91                                                                             |
| 5200026142      | 01.11.2012   | -131.318,91                                                                            |
| 5200012007      | 30.04.2015   | 130.809,33                                                                             |
| 5200012421      | 01.05.2015   | -130.809,33                                                                            |
| 5200008570      | 31.03.2016   | 130.748,88                                                                             |
| 5200009059      | 01.04.2016   | -130.748,88                                                                            |
| 5200031923      | 30.11.2015   | 129.817,99                                                                             |
| 5200032326      | 01.12.2015   | -129.817,99                                                                            |
| 5200042694      | 31.12.2017   | 129.737,48                                                                             |
| 5200028604      | 30.11.2012   | 129.059,08                                                                             |
| 5200028913      | 01.12.2012   | -129.059,08                                                                            |
| 5200034522      | 31.12.2016   | 128.500,71                                                                             |
| 5200000618      | 01.01.2017   | -128.500,71                                                                            |
| 5200034651      | 31.12.2016   | 127.453,11                                                                             |
| 5200000747      | 01.01.2017   | -127.453,11                                                                            |
| 5200003144      | 31.01.2013   | 127.216,06                                                                             |
| 5200003485      | 01.02.2013   | -127.216,06                                                                            |
| 5200032701      | 30.11.2016   | 126.943,79                                                                             |
| 5200033168      | 01.12.2016   | -126.943,79                                                                            |
| 2723829         | 30.06.1996   | 126.856,34                                                                             |
| 2723836         | 03.07.1996   | -126.856,34                                                                            |
| 5200017461      | 31.07.2012   | 126.350,68                                                                             |
| 5200017747      | 01.08.2012   | -126.350,68                                                                            |
| 5200017495      | 30.06.2015   | 126.238,03                                                                             |
| 5200017848      | 01.07.2015   | -126.238,03                                                                            |
| 5200007812      | 31.07.2003   | 126.216,20                                                                             |
| 5200007840      | 01.08.2003   | -126.216,20                                                                            |
| 5200029099      | 31.10.2013   | 126.110,92                                                                             |
| 5200029441      | 01.11.2013   | -126.110,92                                                                            |
| 5000002163      | 31.12.2017   | 126.000,00                                                                             |
| 5200005500      | 29.02.2016   | 124.936,84                                                                             |
| 5200006020      | 01.03.2016   | -124.936,84                                                                            |
| 5200002308      | 31.01.2015   | 124.931,44                                                                             |
| 5200002732      | 01.02.2015   | -124.931,44                                                                            |
| 5200020407      | 31.07.2016   | 124.426,01                                                                             |
| 5200020877      | 01.08.2016   | -124.426,01                                                                            |
| 5200026547      | 30.09.2016   | 124.369,51                                                                             |
| 5200027003      | 01.10.2016   | -124.369,51                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200028175      | 31.08.2017   | 123.409,86                                                                             |
| 5200028737      | 01.09.2017   | -123.409,86                                                                            |
| 5200031018      | 31.12.2012   | 123.271,49                                                                             |
| 5200000635      | 01.01.2013   | -123.271,49                                                                            |
| 5200012967      | 30.04.2013   | 123.042,64                                                                             |
| 5200013318      | 01.05.2013   | -123.042,64                                                                            |
| 5200003060      | 31.01.2013   | 122.995,75                                                                             |
| 5200003402      | 01.02.2013   | -122.995,75                                                                            |
| 5200005749      | 31.05.2003   | 122.633,98                                                                             |
| 5200005776      | 01.06.2003   | -122.633,98                                                                            |
| 5200001397      | 31.01.2003   | 122.074,71                                                                             |
| 5200001424      | 01.02.2003   | -122.074,71                                                                            |
| 5200018276      | 30.06.2013   | 122.062,08                                                                             |
| 5200018676      | 01.07.2013   | -122.062,08                                                                            |
| 5200014702      | 31.12.2002   | 121.679,43                                                                             |
| 5200000478      | 01.01.2003   | -121.679,43                                                                            |
| 5200006114      | 30.09.2001   | 121.042,81                                                                             |
| 5200006141      | 01.10.2001   | -121.042,81                                                                            |
| 5200023855      | 31.08.2013   | 120.790,72                                                                             |
| 5200024208      | 01.09.2013   | -120.790,72                                                                            |
| 5200017587      | 30.06.2015   | 120.558,61                                                                             |
| 5200017940      | 01.07.2015   | -120.558,61                                                                            |
| 5200018373      | 30.06.2013   | 120.435,92                                                                             |
| 5200021242      | 31.07.2013   | 120.435,92                                                                             |
| 5200018773      | 01.07.2013   | -120.435,92                                                                            |
| 5200021599      | 01.08.2013   | -120.435,92                                                                            |
| 5200032065      | 30.11.2015   | 120.427,53                                                                             |
| 5200032468      | 01.12.2015   | -120.427,53                                                                            |
| 5200010883      | 30.04.2016   | 120.085,06                                                                             |
| 5200011367      | 01.05.2016   | -120.085,06                                                                            |
| 5200013859      | 30.04.2017   | 119.473,56                                                                             |
| 5200014416      | 01.05.2017   | -119.473,56                                                                            |
| 5200002882      | 31.01.2017   | 119.430,42                                                                             |
| 5200003432      | 01.02.2017   | -119.430,42                                                                            |
| 5200009346      | 31.07.2002   | 119.134,21                                                                             |
| 5200009370      | 01.08.2002   | -119.134,21                                                                            |
| 5200016807      | 30.06.2016   | 119.082,69                                                                             |
| 5200017268      | 01.07.2016   | -119.082,69                                                                            |
| 5200007825      | 31.03.2015   | 119.031,20                                                                             |
| 5200008229      | 01.04.2015   | -119.031,20                                                                            |
| 5200006124      | 30.09.2001   | 118.551,53                                                                             |
| 5200006151      | 01.10.2001   | -118.551,53                                                                            |
| 5200028988      | 31.10.2015   | 118.085,86                                                                             |
| 5200029396      | 01.11.2015   | -118.085,86                                                                            |
| 5200033805      | 31.12.2013   | 118.026,76                                                                             |
| 5200000499      | 01.01.2014   | -118.026,76                                                                            |
| 5200006147      | 28.02.2017   | 117.727,45                                                                             |
| 5200006690      | 01.03.2017   | -117.727,45                                                                            |
| 5200020107      | 31.08.2012   | 116.879,54                                                                             |
| 5200020393      | 01.09.2012   | -116.879,54                                                                            |
| 5200017460      | 31.07.2012   | 116.547,60                                                                             |
| 5200017746      | 01.08.2012   | -116.547,60                                                                            |
| 5200006132      | 28.02.2017   | 116.344,05                                                                             |
| 5200006675      | 01.03.2017   | -116.344,05                                                                            |
| 5200006882      | 31.03.2014   | 116.309,15                                                                             |
| 5200007288      | 01.04.2014   | -116.309,15                                                                            |
| 5200009294      | 31.03.2017   | 116.169,20                                                                             |
| 5200009833      | 01.04.2017   | -116.169,20                                                                            |
| 5000002163      | 31.12.2017   | 115.999,75                                                                             |
| 5200029133      | 31.10.2015   | 115.897,06                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200029541      | 01.11.2015   | -115.897,06                                                                            |
| 5200013846      | 30.04.2017   | 115.888,75                                                                             |
| 5200014403      | 01.05.2017   | -115.888,75                                                                            |
| 5200024600      | 31.07.2017   | 115.807,06                                                                             |
| 5200025149      | 01.08.2017   | -115.807,06                                                                            |
| 5200035710      | 31.10.2017   | 115.790,30                                                                             |
| 5200036266      | 01.11.2017   | -115.790,30                                                                            |
| 5200028346      | 31.08.2017   | 115.782,43                                                                             |
| 5200032033      | 30.09.2017   | 115.782,43                                                                             |
| 5200040318      | 30.11.2017   | 115.782,43                                                                             |
| 5200028908      | 01.09.2017   | -115.782,43                                                                            |
| 5200032591      | 01.10.2017   | -115.782,43                                                                            |
| 5200040868      | 01.12.2017   | -115.782,43                                                                            |
| 5200017866      | 31.05.2017   | 115.773,10                                                                             |
| 5200018427      | 01.06.2017   | -115.773,10                                                                            |
| 5200021581      | 30.06.2017   | 115.773,08                                                                             |
| 5200022139      | 01.07.2017   | -115.773,08                                                                            |
| 5200042629      | 31.12.2017   | 115.293,89                                                                             |
| 5200007419      | 28.02.2013   | 115.106,25                                                                             |
| 5200007752      | 01.03.2013   | -115.106,25                                                                            |
| 5200016618      | 30.06.2016   | 114.990,76                                                                             |
| 5200017079      | 01.07.2016   | -114.990,76                                                                            |
| 5200020446      | 31.07.2016   | 114.612,72                                                                             |
| 5200020916      | 01.08.2016   | -114.612,72                                                                            |
| 5200012913      | 30.04.2013   | 114.363,80                                                                             |
| 5200015489      | 31.05.2013   | 114.363,80                                                                             |
| 5200018221      | 30.06.2013   | 114.363,80                                                                             |
| 5200021094      | 31.07.2013   | 114.363,80                                                                             |
| 5200023704      | 31.08.2013   | 114.363,80                                                                             |
| 5200026427      | 30.09.2013   | 114.363,80                                                                             |
| 5200029072      | 31.10.2013   | 114.363,80                                                                             |
| 5200031599      | 30.11.2013   | 114.363,80                                                                             |
| 5200013264      | 01.05.2013   | -114.363,80                                                                            |
| 5200015849      | 01.06.2013   | -114.363,80                                                                            |
| 5200018621      | 01.07.2013   | -114.363,80                                                                            |
| 5200021451      | 01.08.2013   | -114.363,80                                                                            |
| 5200024057      | 01.09.2013   | -114.363,80                                                                            |
| 5200026796      | 01.10.2013   | -114.363,80                                                                            |
| 5200029414      | 01.11.2013   | -114.363,80                                                                            |
| 5200031955      | 01.12.2013   | -114.363,80                                                                            |
| 5200010866      | 30.04.2016   | 114.252,50                                                                             |
| 5200011350      | 01.05.2016   | -114.252,50                                                                            |
| 5200001672      | 31.01.2016   | 113.898,74                                                                             |
| 5200002163      | 01.02.2016   | -113.898,74                                                                            |
| 5000002163      | 31.12.2017   | 113.335,52                                                                             |
| 5200032063      | 30.11.2015   | 112.706,04                                                                             |
| 5200032466      | 01.12.2015   | -112.706,04                                                                            |
| 2530145         | 02.01.1998   | 112.634,80                                                                             |
| 2530144         | 31.12.1997   | -112.634,80                                                                            |
| 5200007827      | 31.03.2015   | 112.592,20                                                                             |
| 5200008231      | 01.04.2015   | -112.592,20                                                                            |
| 5200017585      | 30.06.2015   | 112.305,54                                                                             |
| 5200017938      | 01.07.2015   | -112.305,54                                                                            |
| 5200003612      | 31.03.2003   | 112.287,91                                                                             |
| 5200003640      | 01.04.2003   | -112.287,91                                                                            |
| 5000002163      | 31.12.2017   | 112.000,00                                                                             |
| 5200017427      | 30.06.2015   | 111.995,41                                                                             |
| 5200017780      | 01.07.2015   | -111.995,41                                                                            |
| 5200017493      | 31.07.2012   | 111.994,19                                                                             |
| 5200017779      | 01.08.2012   | -111.994,19                                                                            |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002163      | 31.12.2017   | 111.882,65                                                                             |
| 5000002216      | 31.12.2017   | -111.882,65                                                                            |
| 5200029594      | 31.10.2016   | 111.659,64                                                                             |
| 5200030045      | 01.11.2016   | -111.659,64                                                                            |
| 5200007615      | 30.06.2002   | 111.413,81                                                                             |
| 5200007638      | 01.07.2002   | -111.413,81                                                                            |
| 5200032046      | 30.09.2017   | 111.110,99                                                                             |
| 5200032604      | 01.10.2017   | -111.110,99                                                                            |
| 5200023368      | 31.08.2016   | 110.761,77                                                                             |
| 5200023831      | 01.09.2016   | -110.761,77                                                                            |
| 5200021123      | 31.07.2013   | 110.548,77                                                                             |
| 5200021480      | 01.08.2013   | -110.548,77                                                                            |
| 5200014758      | 30.06.2012   | 110.479,93                                                                             |
| 5200015048      | 01.07.2012   | -110.479,93                                                                            |
| 5200008572      | 31.03.2016   | 110.248,91                                                                             |
| 5200009061      | 01.04.2016   | -110.248,91                                                                            |
| 5200026452      | 30.09.2013   | 109.894,94                                                                             |
| 5200026821      | 01.10.2013   | -109.894,94                                                                            |
| 5200031626      | 30.11.2013   | 109.572,73                                                                             |
| 5200031982      | 01.12.2013   | -109.572,73                                                                            |
| 5000002216      | 31.12.2017   | -108.950,40                                                                            |
| 5200004600      | 28.02.2015   | 108.814,27                                                                             |
| 5200005031      | 01.03.2015   | -108.814,27                                                                            |
| 5200026692      | 30.09.2016   | 108.669,84                                                                             |
| 5200027148      | 01.10.2016   | -108.669,84                                                                            |
| 5200031052      | 31.12.2012   | 108.555,07                                                                             |
| 5200000669      | 01.01.2013   | -108.555,07                                                                            |
| 5200017464      | 31.07.2012   | 107.935,58                                                                             |
| 5200017750      | 01.08.2012   | -107.935,58                                                                            |
| 5200014556      | 31.05.2016   | 107.654,89                                                                             |
| 5200015031      | 01.06.2016   | -107.654,89                                                                            |
| 5200031922      | 30.11.2015   | 107.609,06                                                                             |
| 5200032325      | 01.12.2015   | -107.609,06                                                                            |
| 5200026319      | 30.09.2015   | 107.492,63                                                                             |
| 5200026734      | 01.10.2015   | -107.492,63                                                                            |
| 5200015543      | 31.05.2013   | 107.388,54                                                                             |
| 5200015903      | 01.06.2013   | -107.388,54                                                                            |
| 5200017879      | 31.05.2017   | 107.351,69                                                                             |
| 5200018440      | 01.06.2017   | -107.351,69                                                                            |
| 5200001398      | 31.01.2003   | 107.339,77                                                                             |
| 5200001425      | 01.02.2003   | -107.339,77                                                                            |
| 5200034665      | 31.12.2016   | 107.301,18                                                                             |
| 5200040331      | 30.11.2017   | 107.049,09                                                                             |
| 5200040881      | 01.12.2017   | -107.049,09                                                                            |
| 5200009307      | 31.03.2017   | 106.543,25                                                                             |
| 5200009846      | 01.04.2017   | -106.543,25                                                                            |
| 5200010224      | 31.03.2013   | 106.393,40                                                                             |
| 5200010567      | 01.04.2013   | -106.393,40                                                                            |
| 5200007375      | 28.02.2013   | 106.310,57                                                                             |
| 5200007708      | 01.03.2013   | -106.310,57                                                                            |
| 5200011840      | 30.04.2015   | 106.267,26                                                                             |
| 5200012254      | 01.05.2015   | -106.267,26                                                                            |
| 5200023056      | 31.08.2015   | 106.176,59                                                                             |
| 5200023436      | 01.09.2015   | -106.176,59                                                                            |
| 5200042642      | 31.12.2017   | 105.757,44                                                                             |
| 5200031759      | 30.11.2013   | 105.590,16                                                                             |
| 5200032115      | 01.12.2013   | -105.590,16                                                                            |
| 5200000018      | 30.04.2001   | 105.163,40                                                                             |
| 5200000045      | 01.05.2001   | -105.163,40                                                                            |
| 5200005320      | 29.02.2016   | 105.097,41                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005840      | 01.03.2016   | -105.097,41                                                                            |
| 5200022884      | 31.08.2015   | 104.949,40                                                                             |
| 5200023264      | 01.09.2015   | -104.949,40                                                                            |
| 5200006820      | 31.03.2014   | 104.928,40                                                                             |
| 5200007226      | 01.04.2014   | -104.928,40                                                                            |
| 5200028359      | 31.08.2017   | 103.973,77                                                                             |
| 5200028921      | 01.09.2017   | -103.973,77                                                                            |
| 5200006123      | 30.09.2001   | 102.874,91                                                                             |
| 5200006150      | 01.10.2001   | -102.874,91                                                                            |
| 5200003133      | 30.06.2001   | 101.739,17                                                                             |
| 5200003171      | 01.07.2001   | -101.739,17                                                                            |
| 2713401         | 30.09.1995   | 101.636,96                                                                             |
| 2713427         | 05.10.1995   | -101.636,96                                                                            |
| 5200024613      | 31.07.2017   | 101.217,86                                                                             |
| 5200025164      | 01.08.2017   | -101.217,86                                                                            |
| 5200004112      | 28.02.2014   | 100.877,36                                                                             |
| 5200004513      | 01.03.2014   | -100.877,36                                                                            |
| 5200035723      | 31.10.2017   | 100.800,60                                                                             |
| 5200036279      | 01.11.2017   | -100.800,60                                                                            |
| 5200006973      | 31.05.2002   | 100.134,66                                                                             |
| 5200006987      | 01.06.2002   | -100.134,66                                                                            |
| 5200017515      | 31.07.2012   | 100.073,38                                                                             |
| 5200017801      | 01.08.2012   | -100.073,38                                                                            |
| 5200033821      | 31.12.2013   | 99.758,79                                                                              |
| 5200000515      | 01.01.2014   | -99.758,79                                                                             |
| 5200033905      | 31.12.2015   | 99.463,24                                                                              |
| 5200000619      | 01.01.2016   | -99.463,24                                                                             |
| 5200035725      | 31.10.2017   | 99.452,55                                                                              |
| 5200036281      | 01.11.2017   | -99.452,55                                                                             |
| 5200032048      | 30.09.2017   | 99.347,61                                                                              |
| 5200032606      | 01.10.2017   | -99.347,61                                                                             |
| 5200007376      | 28.02.2013   | 99.227,07                                                                              |
| 5200007709      | 01.03.2013   | -99.227,07                                                                             |
| 2707998         | 31.03.1995   | 98.831,16                                                                              |
| 2707923         | 07.04.1995   | -98.831,16                                                                             |
| 5200033903      | 31.12.2015   | 98.458,94                                                                              |
| 5200001412      | 31.01.2002   | 98.240,98                                                                              |
| 5200001445      | 01.02.2002   | -98.240,98                                                                             |
| 5200014771      | 31.05.2015   | 97.603,92                                                                              |
| 5200015162      | 01.06.2015   | -97.603,92                                                                             |
| 5200010277      | 30.09.2003   | 97.412,57                                                                              |
| 5200010303      | 01.10.2003   | -97.412,57                                                                             |
| 5200026433      | 30.09.2013   | 97.294,96                                                                              |
| 5200026802      | 01.10.2013   | -97.294,96                                                                             |
| 5200000007      | 30.04.2001   | 97.285,14                                                                              |
| 5200000034      | 01.05.2001   | -97.285,14                                                                             |
| 5200028821      | 30.11.2014   | 96.838,70                                                                              |
| 5200029185      | 01.12.2014   | -96.838,70                                                                             |
| 2722720         | 31.05.1996   | 96.810,32                                                                              |
| 2722727         | 05.06.1996   | -96.810,32                                                                             |
| 5200012918      | 30.04.2013   | 96.689,77                                                                              |
| 5200013269      | 01.05.2013   | -96.689,77                                                                             |
| 5200012957      | 31.10.2002   | 96.660,08                                                                              |
| 5200012979      | 01.11.2002   | -96.660,08                                                                             |
| 5200014703      | 31.05.2015   | 96.523,15                                                                              |
| 5200015094      | 01.06.2015   | -96.523,15                                                                             |
| 5200010266      | 30.09.2003   | 96.390,64                                                                              |
| 5200010292      | 01.10.2003   | -96.390,64                                                                             |
| 2712484         | 31.08.1995   | 95.573,61                                                                              |
| 2712508         | 04.09.1995   | -95.573,61                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005729      | 31.05.2003   | 95.386,30                                                                              |
| 5200005756      | 01.06.2003   | -95.386,30                                                                             |
| 5200002509      | 28.02.2003   | 95.271,69                                                                              |
| 5200002536      | 01.03.2003   | -95.271,69                                                                             |
| 5200005740      | 30.04.2002   | 95.082,46                                                                              |
| 5200005763      | 01.05.2002   | -95.082,46                                                                             |
| 5200020162      | 31.08.2012   | 95.074,49                                                                              |
| 5200020448      | 01.09.2012   | -95.074,49                                                                             |
| 5200029131      | 31.10.2015   | 94.970,92                                                                              |
| 5200029539      | 01.11.2015   | -94.970,92                                                                             |
| 5200014711      | 31.12.2002   | 94.721,08                                                                              |
| 5200000487      | 01.01.2003   | -94.721,08                                                                             |
| 5200029736      | 31.10.2016   | 94.343,39                                                                              |
| 5200030187      | 01.11.2016   | -94.343,39                                                                             |
| 5200001366      | 31.01.2014   | 93.859,71                                                                              |
| 5200001738      | 01.02.2014   | -93.859,71                                                                             |
| 5200014558      | 31.05.2016   | 93.607,43                                                                              |
| 5200015033      | 01.06.2016   | -93.607,43                                                                             |
| 5200014290      | 31.12.2003   | 92.547,77                                                                              |
| 5200000386      | 01.01.2004   | -92.547,77                                                                             |
| 5200031867      | 30.09.2017   | 91.986,89                                                                              |
| 5200032425      | 01.10.2017   | -91.986,89                                                                             |
| 5200013861      | 30.04.2017   | 91.534,34                                                                              |
| 5200014418      | 01.05.2017   | -91.534,34                                                                             |
| 5200000617      | 01.01.2016   | -91.426,16                                                                             |
| 5200026317      | 30.09.2015   | 91.203,89                                                                              |
| 5200026732      | 01.10.2015   | -91.203,89                                                                             |
| 5200002498      | 28.02.2003   | 90.646,73                                                                              |
| 5200002525      | 01.03.2003   | -90.646,73                                                                             |
| 5200032715      | 30.11.2016   | 90.195,89                                                                              |
| 5200033182      | 01.12.2016   | -90.195,89                                                                             |
| 5000002163      | 31.12.2017   | 90.000,00                                                                              |
| 5200020192      | 31.08.2012   | 89.900,37                                                                              |
| 5200020478      | 01.09.2012   | -89.900,37                                                                             |
| 5200017485      | 31.07.2012   | 89.293,17                                                                              |
| 5200017771      | 01.08.2012   | -89.293,17                                                                             |
| 5200023054      | 31.08.2015   | 88.900,26                                                                              |
| 5200023434      | 01.09.2015   | -88.900,26                                                                             |
| 5200004159      | 29.02.2012   | 88.540,14                                                                              |
| 5200004431      | 01.03.2012   | -88.540,14                                                                             |
| 5200014720      | 30.06.2012   | 88.418,79                                                                              |
| 5200015010      | 01.07.2012   | -88.418,79                                                                             |
| 5200002504      | 28.02.2003   | 88.398,34                                                                              |
| 5200002531      | 01.03.2003   | -88.398,34                                                                             |
| 5200020144      | 31.08.2012   | 88.162,28                                                                              |
| 5200020430      | 01.09.2012   | -88.162,28                                                                             |
| 5200028788      | 30.11.2014   | 87.999,50                                                                              |
| 5200029152      | 01.12.2014   | -87.999,50                                                                             |
| 5200008964      | 30.04.2012   | 87.789,19                                                                              |
| 5200009242      | 01.05.2012   | -87.789,19                                                                             |
| 5200007377      | 28.02.2013   | 87.341,36                                                                              |
| 5200007710      | 01.03.2013   | -87.341,36                                                                             |
| 5200030955      | 31.12.2012   | 87.055,93                                                                              |
| 5200000572      | 01.01.2013   | -87.055,93                                                                             |
| 2713409         | 30.09.1995   | 86.015,95                                                                              |
| 2713435         | 05.10.1995   | -86.015,95                                                                             |
| 5200015493      | 31.05.2013   | 85.999,13                                                                              |
| 5200015853      | 01.06.2013   | -85.999,13                                                                             |
| 5200031296      | 31.12.2014   | 85.918,04                                                                              |
| 2714380         | 01.11.1995   | 85.108,19                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2714358         | 03.11.1995   | -85.108,19                                                                             |
| 5200002302      | 31.01.2012   | 84.827,22                                                                              |
| 5200002545      | 01.02.2012   | -84.827,22                                                                             |
| 5200021099      | 31.07.2013   | 84.773,00                                                                              |
| 5200021456      | 01.08.2013   | -84.773,00                                                                             |
| 5200004602      | 28.02.2015   | 84.679,48                                                                              |
| 5200005033      | 01.03.2015   | -84.679,48                                                                             |
| 5200030984      | 31.12.2012   | 84.659,28                                                                              |
| 5200000601      | 01.01.2013   | -84.659,28                                                                             |
| 5200000621      | 01.01.2015   | -84.457,62                                                                             |
| 5200023515      | 31.08.2016   | 84.259,84                                                                              |
| 5200023978      | 01.09.2016   | -84.259,84                                                                             |
| 5200026165      | 30.09.2015   | 84.191,09                                                                              |
| 5200026580      | 01.10.2015   | -84.191,09                                                                             |
| 5200021596      | 30.06.2017   | 83.857,75                                                                              |
| 5200022154      | 01.07.2017   | -83.857,75                                                                             |
| 5200022219      | 30.09.2012   | 83.622,72                                                                              |
| 5200022513      | 01.10.2012   | -83.622,72                                                                             |
| 5200010221      | 31.03.2013   | 83.054,33                                                                              |
| 5200010564      | 01.04.2013   | -83.054,33                                                                             |
| 5200005639      | 31.08.2001   | 82.804,76                                                                              |
| 5200005665      | 01.09.2001   | -82.804,76                                                                             |
| 5200017552      | 31.07.2012   | 82.759,88                                                                              |
| 5200017838      | 01.08.2012   | -82.759,88                                                                             |
| 5200018249      | 30.06.2013   | 82.535,50                                                                              |
| 5200018649      | 01.07.2013   | -82.535,50                                                                             |
| 5200004157      | 29.02.2012   | 81.519,52                                                                              |
| 5200004429      | 01.03.2012   | -81.519,52                                                                             |
| 5200000623      | 01.01.2015   | -81.275,74                                                                             |
| 5200014660      | 30.06.2012   | 81.186,81                                                                              |
| 5200014950      | 01.07.2012   | -81.186,81                                                                             |
| 5200016819      | 30.06.2016   | 81.169,00                                                                              |
| 5200017280      | 01.07.2016   | -81.169,00                                                                             |
| 5000002163      | 31.12.2017   | 81.000,00                                                                              |
| 5000002163      | 31.12.2017   | 80.917,00                                                                              |
| 2710553         | 30.06.1995   | 80.850,78                                                                              |
| 2710575         | 05.07.1995   | -80.850,78                                                                             |
| 5200002985      | 31.01.2013   | 80.409,24                                                                              |
| 5200003327      | 01.02.2013   | -80.409,24                                                                             |
| 5200006612      | 31.03.2012   | 80.288,52                                                                              |
| 5200006909      | 01.04.2012   | -80.288,52                                                                             |
| 5000002163      | 31.12.2017   | 80.000,00                                                                              |
| 5200007470      | 28.02.2013   | 79.902,03                                                                              |
| 5200007803      | 01.03.2013   | -79.902,03                                                                             |
| 2730994         | 31.12.1996   | 79.844,71                                                                              |
| 2731001         | 06.01.1997   | -79.844,71                                                                             |
| 5200001409      | 31.01.2003   | 79.748,38                                                                              |
| 5200001436      | 01.02.2003   | -79.748,38                                                                             |
| 5200006675      | 31.03.2012   | 79.670,44                                                                              |
| 5200006972      | 01.04.2012   | -79.670,44                                                                             |
| 5200028973      | 30.11.2014   | 79.419,29                                                                              |
| 5200029337      | 01.12.2014   | -79.419,29                                                                             |
| 5200002310      | 31.01.2015   | 78.593,89                                                                              |
| 5200002734      | 01.02.2015   | -78.593,89                                                                             |
| 5200011983      | 31.05.2012   | 78.438,65                                                                              |
| 5200012257      | 01.06.2012   | -78.438,65                                                                             |
| 5200006767      | 30.06.2003   | 78.354,45                                                                              |
| 5200006793      | 01.07.2003   | -78.354,45                                                                             |
| 5200020355      | 31.07.2016   | 77.986,69                                                                              |
| 5200020825      | 01.08.2016   | -77.986,69                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200011876      | 30.04.2015   | 77.862,58                                                                              |
| 5200012290      | 01.05.2015   | -77.862,58                                                                             |
| 2710551         | 30.06.1995   | 77.690,84                                                                              |
| 2710573         | 05.07.1995   | -77.690,84                                                                             |
| 5200010225      | 31.03.2013   | 77.628,08                                                                              |
| 5200010568      | 01.04.2013   | -77.628,08                                                                             |
| 5200042644      | 31.12.2017   | 77.459,10                                                                              |
| 5200008403      | 31.03.2016   | 77.129,86                                                                              |
| 5200008892      | 01.04.2016   | -77.129,86                                                                             |
| 5200020104      | 31.08.2012   | 76.694,32                                                                              |
| 5200020390      | 01.09.2012   | -76.694,32                                                                             |
| 5000002095      | 31.12.2017   | -76.300,00                                                                             |
| 5200015176      | 30.06.2014   | 76.227,18                                                                              |
| 5200015606      | 01.07.2014   | -76.227,18                                                                             |
| 5200004239      | 31.07.2001   | 76.198,38                                                                              |
| 5200004266      | 01.08.2001   | -76.198,38                                                                             |
| 5200003018      | 31.01.2013   | 76.081,72                                                                              |
| 5200003360      | 01.02.2013   | -76.081,72                                                                             |
| 5200014688      | 30.06.2012   | 75.979,30                                                                              |
| 5200014978      | 01.07.2012   | -75.979,30                                                                             |
| 5200021064      | 31.07.2013   | 75.590,48                                                                              |
| 5200021421      | 01.08.2013   | -75.590,48                                                                             |
| 5200030994      | 31.12.2012   | 75.538,77                                                                              |
| 5200000611      | 01.01.2013   | -75.538,77                                                                             |
| 5200037333      | 31.12.2001   | 75.520,53                                                                              |
| 5200000581      | 01.01.2002   | -75.520,53                                                                             |
| 5200017498      | 31.07.2012   | 75.404,86                                                                              |
| 5200017784      | 01.08.2012   | -75.404,86                                                                             |
| 5200040146      | 30.11.2017   | 74.920,14                                                                              |
| 5200040696      | 01.12.2017   | -74.920,14                                                                             |
| 5200007612      | 30.06.2002   | 74.902,19                                                                              |
| 5200007635      | 01.07.2002   | -74.902,19                                                                             |
| 5200002293      | 31.01.2012   | 74.746,69                                                                              |
| 5200002536      | 01.02.2012   | -74.746,69                                                                             |
| 5200028576      | 30.11.2012   | 74.461,80                                                                              |
| 5200028885      | 01.12.2012   | -74.461,80                                                                             |
| 2843773         | 30.09.1996   | 74.431,14                                                                              |
| 2843775         | 02.10.1996   | -74.431,14                                                                             |
| 5200020152      | 31.12.2011   | 74.268,87                                                                              |
| 5200000625      | 01.01.2012   | -74.268,87                                                                             |
| 5200022969      | 31.08.2015   | 74.123,77                                                                              |
| 5200023349      | 01.09.2015   | -74.123,77                                                                             |
| 5200017881      | 31.05.2017   | 74.035,86                                                                              |
| 5200018442      | 01.06.2017   | -74.035,86                                                                             |
| 5200020547      | 31.07.2016   | 73.963,78                                                                              |
| 5200021017      | 01.08.2016   | -73.963,78                                                                             |
| 5200009309      | 31.03.2017   | 73.936,16                                                                              |
| 5200009848      | 01.04.2017   | -73.936,16                                                                             |
| 2712469         | 31.08.1995   | 73.727,59                                                                              |
| 2712493         | 04.09.1995   | -73.727,59                                                                             |
| 5200031884      | 30.11.2015   | 73.644,70                                                                              |
| 5200032287      | 01.12.2015   | -73.644,70                                                                             |
| 2709664         | 31.05.1995   | 73.629,46                                                                              |
| 2709686         | 06.06.1995   | -73.629,46                                                                             |
| 5200028640      | 30.11.2012   | 72.338,45                                                                              |
| 5200028949      | 01.12.2012   | -72.338,45                                                                             |
| 5200010275      | 30.09.2003   | 71.855,24                                                                              |
| 5200010301      | 01.10.2003   | -71.855,24                                                                             |
| 5200001394      | 31.01.2014   | 71.361,65                                                                              |
| 5200001766      | 01.02.2014   | -71.361,65                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031128      | 31.12.2014   | 71.191,49                                                                              |
| 5200000455      | 01.01.2015   | -71.191,49                                                                             |
| 5200031573      | 30.11.2013   | 70.907,84                                                                              |
| 5200031929      | 01.12.2013   | -70.907,84                                                                             |
| 5200024615      | 31.07.2017   | 70.639,51                                                                              |
| 5200025166      | 01.08.2017   | -70.639,51                                                                             |
| 5200026476      | 30.09.2013   | 70.382,57                                                                              |
| 5200026845      | 01.10.2013   | -70.382,57                                                                             |
| 5000002163      | 31.12.2017   | 70.339,50                                                                              |
| 5000002216      | 31.12.2017   | -70.339,50                                                                             |
| 5200031652      | 30.11.2013   | 69.572,85                                                                              |
| 5200032008      | 01.12.2013   | -69.572,85                                                                             |
| 5200006678      | 31.03.2012   | 69.413,10                                                                              |
| 5200006975      | 01.04.2012   | -69.413,10                                                                             |
| 2711541         | 31.07.1995   | 69.255,29                                                                              |
| 2711566         | 03.08.1995   | -69.255,29                                                                             |
| 5200020190      | 31.08.2012   | 68.868,85                                                                              |
| 5200020476      | 01.09.2012   | -68.868,85                                                                             |
| 5200026316      | 31.10.2014   | 68.867,87                                                                              |
| 5200026669      | 01.11.2014   | -68.867,87                                                                             |
| 5200021149      | 31.07.2013   | 68.755,55                                                                              |
| 5200021506      | 01.08.2013   | -68.755,55                                                                             |
| 5200012956      | 31.10.2002   | 68.708,13                                                                              |
| 5200012978      | 01.11.2002   | -68.708,13                                                                             |
| 5200015516      | 31.05.2013   | 68.683,09                                                                              |
| 5200015876      | 01.06.2013   | -68.683,09                                                                             |
| 5000002163      | 31.12.2017   | 67.661,00                                                                              |
| 5200004077      | 28.02.2014   | 67.593,69                                                                              |
| 5200004478      | 01.03.2014   | -67.593,69                                                                             |
| 5200003190      | 28.02.2002   | 67.384,34                                                                              |
| 5200003218      | 01.03.2002   | -67.384,34                                                                             |
| 5200016821      | 30.06.2016   | 67.290,60                                                                              |
| 5200017282      | 01.07.2016   | -67.290,60                                                                             |
| 5200012941      | 30.04.2013   | 66.953,16                                                                              |
| 5200013292      | 01.05.2013   | -66.953,16                                                                             |
| 5200006844      | 31.03.2014   | 66.605,43                                                                              |
| 5200007250      | 01.04.2014   | -66.605,43                                                                             |
| 5200006574      | 31.03.2012   | 66.602,67                                                                              |
| 5200006871      | 01.04.2012   | -66.602,67                                                                             |
| 5200004669      | 30.04.2003   | 66.325,68                                                                              |
| 5200004697      | 01.05.2003   | -66.325,68                                                                             |
| 5200009605      | 30.04.2014   | 66.306,44                                                                              |
| 5200010027      | 01.05.2014   | -66.306,44                                                                             |
| 5000002163      | 31.12.2017   | 66.200,00                                                                              |
| 5200035541      | 31.10.2017   | 66.151,48                                                                              |
| 5200036097      | 01.11.2017   | -66.151,48                                                                             |
| 5200011736      | 30.09.2002   | 65.871,68                                                                              |
| 5200011759      | 01.10.2002   | -65.871,68                                                                             |
| 5200002130      | 31.01.2015   | 65.762,03                                                                              |
| 5200002554      | 01.02.2015   | -65.762,03                                                                             |
| 5200007669      | 31.03.2015   | 65.405,77                                                                              |
| 5200008073      | 01.04.2015   | -65.405,77                                                                             |
| 5200003610      | 31.03.2003   | 65.370,08                                                                              |
| 5200003638      | 01.04.2003   | -65.370,08                                                                             |
| 5200010541      | 31.08.2002   | 65.264,20                                                                              |
| 5200010565      | 01.09.2002   | -65.264,20                                                                             |
| 5200012082      | 31.05.2012   | 65.050,58                                                                              |
| 5200012356      | 01.06.2012   | -65.050,58                                                                             |
| 5200005965      | 28.02.2017   | 64.938,72                                                                              |
| 5200006508      | 01.03.2017   | -64.938,72                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200005742      | 31.05.2003   | 64.938,04                                                                              |
| 5200005769      | 01.06.2003   | -64.938,04                                                                             |
| 5200025800      | 31.10.2012   | 64.876,96                                                                              |
| 5200026105      | 01.11.2012   | -64.876,96                                                                             |
| 5200026170      | 31.10.2014   | 64.673,55                                                                              |
| 5200026523      | 01.11.2014   | -64.673,55                                                                             |
| 5200010246      | 31.03.2013   | 64.664,26                                                                              |
| 5200010589      | 01.04.2013   | -64.664,26                                                                             |
| 2710559         | 30.06.1995   | 64.423,67                                                                              |
| 2710581         | 05.07.1995   | -64.423,67                                                                             |
| 5200026677      | 30.09.2016   | 64.411,46                                                                              |
| 5200027133      | 01.10.2016   | -64.411,46                                                                             |
| 5200026674      | 30.09.2016   | 64.390,47                                                                              |
| 5200027130      | 01.10.2016   | -64.390,47                                                                             |
| 5200002304      | 31.01.2012   | 64.299,97                                                                              |
| 5200002547      | 01.02.2012   | -64.299,97                                                                             |
| 5200023553      | 30.09.2014   | 64.291,01                                                                              |
| 5200023878      | 01.10.2014   | -64.291,01                                                                             |
| 5200022188      | 30.09.2012   | 63.541,07                                                                              |
| 5200022482      | 01.10.2012   | -63.541,07                                                                             |
| 5200004425      | 28.02.2015   | 63.506,19                                                                              |
| 5200004856      | 01.03.2015   | -63.506,19                                                                             |
| 5200025864      | 31.10.2012   | 62.952,38                                                                              |
| 5200026169      | 01.11.2012   | -62.952,38                                                                             |
| 5000002164      | 31.12.2017   | 62.791,46                                                                              |
| 5200002899      | 31.01.2017   | 62.505,73                                                                              |
| 5200003449      | 01.02.2017   | -62.505,73                                                                             |
| 5200012300      | 31.05.2014   | 62.497,48                                                                              |
| 5200012747      | 01.06.2014   | -62.497,48                                                                             |
| 2846738         | 30.06.1997   | 62.315,12                                                                              |
| 2846739         | 01.07.1997   | -62.315,12                                                                             |
| 5200012005      | 30.04.2015   | 62.214,24                                                                              |
| 5200012419      | 01.05.2015   | -62.214,24                                                                             |
| 5000002163      | 31.12.2017   | 62.200,00                                                                              |
| 5000002216      | 31.12.2017   | -62.200,00                                                                             |
| 5200012237      | 31.05.2014   | 61.966,62                                                                              |
| 5200012684      | 01.06.2014   | -61.966,62                                                                             |
| 5200015239      | 30.06.2014   | 61.935,83                                                                              |
| 5200018190      | 31.07.2014   | 61.935,83                                                                              |
| 5200015669      | 01.07.2014   | -61.935,83                                                                             |
| 5200018613      | 01.08.2014   | -61.935,83                                                                             |
| 5200020912      | 31.08.2014   | 61.908,05                                                                              |
| 5200021345      | 01.09.2014   | -61.908,05                                                                             |
| 5000002163      | 31.12.2017   | 61.823,00                                                                              |
| 5000002163      | 31.12.2017   | 61.823,00                                                                              |
| 5200023500      | 31.08.2016   | 61.750,73                                                                              |
| 5200023963      | 01.09.2016   | -61.750,73                                                                             |
| 5200020137      | 31.08.2012   | 61.140,43                                                                              |
| 5200020423      | 01.09.2012   | -61.140,43                                                                             |
| 5200007021      | 31.03.2014   | 61.129,02                                                                              |
| 5200007427      | 01.04.2014   | -61.129,02                                                                             |
| 5200004690      | 30.04.2003   | 60.959,80                                                                              |
| 5200004718      | 01.05.2003   | -60.959,80                                                                             |
| 5000002163      | 31.12.2017   | 60.700,00                                                                              |
| 5200023731      | 31.08.2013   | 60.698,81                                                                              |
| 5200024084      | 01.09.2013   | -60.698,81                                                                             |
| 5200015462      | 31.05.2013   | 60.654,56                                                                              |
| 5200015822      | 01.06.2013   | -60.654,56                                                                             |
| 5200006776      | 30.06.2003   | 60.625,86                                                                              |
| 5200006802      | 01.07.2003   | -60.625,86                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006149      | 28.02.2017   | 60.616,58                                                                              |
| 5200006692      | 01.03.2017   | -60.616,58                                                                             |
| 5000002163      | 31.12.2017   | 60.178,00                                                                              |
| 5200002249      | 31.01.2012   | 59.946,14                                                                              |
| 5200002492      | 01.02.2012   | -59.946,14                                                                             |
| 5200011734      | 30.09.2002   | 59.839,18                                                                              |
| 5200011757      | 01.10.2002   | -59.839,18                                                                             |
| 5200009581      | 30.04.2014   | 59.798,19                                                                              |
| 5200010003      | 01.05.2014   | -59.798,19                                                                             |
| 2711542         | 31.07.1995   | 59.727,20                                                                              |
| 2711567         | 03.08.1995   | -59.727,20                                                                             |
| 5200033846      | 31.12.2013   | 59.687,66                                                                              |
| 5200000540      | 01.01.2014   | -59.687,66                                                                             |
| 5200001542      | 31.01.2016   | 59.662,70                                                                              |
| 5200002033      | 01.02.2016   | -59.662,70                                                                             |
| 5200003159      | 30.06.2001   | 59.553,76                                                                              |
| 5200003196      | 01.07.2001   | -59.553,76                                                                             |
| 5200008926      | 31.08.2003   | 59.434,63                                                                              |
| 5200008952      | 01.09.2003   | -59.434,63                                                                             |
| 5200014657      | 30.06.2012   | 59.289,18                                                                              |
| 5200014947      | 01.07.2012   | -59.289,18                                                                             |
| 5200012047      | 31.05.2012   | 58.714,07                                                                              |
| 5200012321      | 01.06.2012   | -58.714,07                                                                             |
| 5200015430      | 30.06.2014   | 58.658,65                                                                              |
| 5200015860      | 01.07.2014   | -58.658,65                                                                             |
| 5200001505      | 31.01.2016   | 58.587,61                                                                              |
| 5200001996      | 01.02.2016   | -58.587,61                                                                             |
| 5200009344      | 31.07.2002   | 58.485,97                                                                              |
| 5200009368      | 01.08.2002   | -58.485,97                                                                             |
| 5200007704      | 31.03.2015   | 57.935,60                                                                              |
| 5200008108      | 01.04.2015   | -57.935,60                                                                             |
| 5200029721      | 31.10.2016   | 57.914,86                                                                              |
| 5200030172      | 01.11.2016   | -57.914,86                                                                             |
| 5200011738      | 30.09.2002   | 57.383,45                                                                              |
| 5200011761      | 01.10.2002   | -57.383,45                                                                             |
| 5200020563      | 31.07.2016   | 56.707,52                                                                              |
| 5200021033      | 01.08.2016   | -56.707,52                                                                             |
| 5200032717      | 30.11.2016   | 56.455,46                                                                              |
| 5200033184      | 01.12.2016   | -56.455,46                                                                             |
| 5000002163      | 31.12.2017   | 56.448,00                                                                              |
| 5000002216      | 31.12.2017   | -56.448,00                                                                             |
| 5200028361      | 31.08.2017   | 56.242,31                                                                              |
| 5200028923      | 01.09.2017   | -56.242,31                                                                             |
| 5200023517      | 31.08.2016   | 55.740,46                                                                              |
| 5200023980      | 01.09.2016   | -55.740,46                                                                             |
| 5200014283      | 31.12.2003   | 55.644,42                                                                              |
| 5200000379      | 01.01.2004   | -55.644,42                                                                             |
| 5200029123      | 31.10.2013   | 55.063,79                                                                              |
| 5200029465      | 01.11.2013   | -55.063,79                                                                             |
| 5200005737      | 30.04.2002   | 54.999,04                                                                              |
| 5200005760      | 01.05.2002   | -54.999,04                                                                             |
| 5200001748      | 31.05.2001   | 54.926,00                                                                              |
| 5200001775      | 01.06.2001   | -54.926,00                                                                             |
| 5200014740      | 31.05.2015   | 54.822,48                                                                              |
| 5200015131      | 01.06.2015   | -54.822,48                                                                             |
| 5200034667      | 31.12.2016   | 54.739,89                                                                              |
| 5200000763      | 01.01.2017   | -54.739,89                                                                             |
| 5200028678      | 30.11.2012   | 54.621,73                                                                              |
| 5200028987      | 01.12.2012   | -54.621,73                                                                             |
| 5200021076      | 31.08.2014   | 53.882,20                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200021509      | 01.09.2014   | -53.882,20                                                                             |
| 2706000         | 31.01.1995   | 53.862,88                                                                              |
| 2706014         | 07.02.1995   | -53.862,88                                                                             |
| 5200007613      | 30.06.2002   | 53.397,33                                                                              |
| 5200007636      | 01.07.2002   | -53.397,33                                                                             |
| 5200012282      | 31.05.2014   | 53.095,77                                                                              |
| 5200012729      | 01.06.2014   | -53.095,77                                                                             |
| 5200003017      | 31.01.2013   | 53.082,49                                                                              |
| 5200003359      | 01.02.2013   | -53.082,49                                                                             |
| 5200017522      | 31.07.2012   | 53.046,06                                                                              |
| 5200017808      | 01.08.2012   | -53.046,06                                                                             |
| 5200020853      | 31.08.2014   | 53.039,43                                                                              |
| 5200021286      | 01.09.2014   | -53.039,43                                                                             |
| 5000002163      | 31.12.2017   | 52.750,00                                                                              |
| 5000002216      | 31.12.2017   | -52.750,00                                                                             |
| 5200026486      | 30.09.2013   | 52.709,48                                                                              |
| 5200026855      | 01.10.2013   | -52.709,48                                                                             |
| 5200006787      | 31.03.2014   | 52.699,37                                                                              |
| 5200007193      | 01.04.2014   | -52.699,37                                                                             |
| 5200031293      | 31.12.2014   | 52.509,35                                                                              |
| 5200022159      | 30.09.2012   | 52.433,28                                                                              |
| 5200022453      | 01.10.2012   | -52.433,28                                                                             |
| 5200023876      | 31.08.2013   | 52.337,81                                                                              |
| 5200024229      | 01.09.2013   | -52.337,81                                                                             |
| 5200003106      | 31.01.2013   | 52.334,42                                                                              |
| 5200003447      | 01.02.2013   | -52.334,42                                                                             |
| 5000002163      | 31.12.2017   | 52.332,00                                                                              |
| 5200026231      | 30.09.2015   | 51.904,93                                                                              |
| 5200026646      | 01.10.2015   | -51.904,93                                                                             |
| 5200010191      | 31.03.2013   | 51.816,64                                                                              |
| 5200010534      | 01.04.2013   | -51.816,64                                                                             |
| 5000002163      | 31.12.2017   | 51.468,00                                                                              |
| 5200020159      | 31.07.2015   | 51.448,62                                                                              |
| 5200020527      | 01.08.2015   | -51.448,62                                                                             |
| 5200018339      | 30.06.2013   | 50.933,23                                                                              |
| 5200018739      | 01.07.2013   | -50.933,23                                                                             |
| 5200040183      | 30.11.2017   | 50.925,86                                                                              |
| 5200040733      | 01.12.2017   | -50.925,86                                                                             |
| 5000002163      | 31.12.2017   | 50.924,86                                                                              |
| 5200023799      | 31.08.2013   | 50.572,34                                                                              |
| 5200024152      | 01.09.2013   | -50.572,34                                                                             |
| 5200025799      | 31.10.2012   | 50.518,88                                                                              |
| 5200026104      | 01.11.2012   | -50.518,88                                                                             |
| 5200001312      | 31.01.2014   | 50.369,06                                                                              |
| 5200001684      | 01.02.2014   | -50.369,06                                                                             |
| 5200003618      | 31.03.2003   | 50.353,58                                                                              |
| 5200003646      | 01.04.2003   | -50.353,58                                                                             |
| 5000002163      | 31.12.2017   | 50.000,00                                                                              |
| 5200006615      | 31.03.2012   | 49.905,01                                                                              |
| 5200006912      | 01.04.2012   | -49.905,01                                                                             |
| 5000002163      | 31.12.2017   | 49.873,64                                                                              |
| 5200014726      | 30.06.2012   | 49.765,79                                                                              |
| 5200015016      | 01.07.2012   | -49.765,79                                                                             |
| 5200033934      | 31.12.2013   | 49.650,07                                                                              |
| 5200000628      | 01.01.2014   | -49.650,07                                                                             |
| 5200005750      | 31.05.2003   | 49.627,47                                                                              |
| 5200005777      | 01.06.2003   | -49.627,47                                                                             |
| 5200020267      | 31.07.2015   | 49.534,06                                                                              |
| 5200020635      | 01.08.2015   | -49.534,06                                                                             |
| 5200012917      | 30.04.2013   | 49.251,43                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200013268      | 01.05.2013   | -49.251,43                                                                             |
| 5200020117      | 31.08.2012   | 49.116,61                                                                              |
| 5200020403      | 01.09.2012   | -49.116,61                                                                             |
| 5200004238      | 31.07.2001   | 49.002,90                                                                              |
| 5200005642      | 31.08.2001   | 49.002,90                                                                              |
| 5200004265      | 01.08.2001   | -49.002,90                                                                             |
| 5200005668      | 01.09.2001   | -49.002,90                                                                             |
| 5200029738      | 31.10.2016   | 48.917,21                                                                              |
| 5200030189      | 01.11.2016   | -48.917,21                                                                             |
| 5200015603      | 31.05.2013   | 48.862,78                                                                              |
| 5200015963      | 01.06.2013   | -48.862,78                                                                             |
| 5200013026      | 30.04.2013   | 48.752,29                                                                              |
| 5200013377      | 01.05.2013   | -48.752,29                                                                             |
| 5200021206      | 31.07.2013   | 48.669,84                                                                              |
| 5200021563      | 01.08.2013   | -48.669,84                                                                             |
| 5200012969      | 30.04.2013   | 48.574,58                                                                              |
| 5200013320      | 01.05.2013   | -48.574,58                                                                             |
| 5000002163      | 31.12.2017   | 48.341,00                                                                              |
| 5000002216      | 31.12.2017   | -48.341,00                                                                             |
| 5200009347      | 31.07.2002   | 48.275,92                                                                              |
| 5200010544      | 31.08.2002   | 48.275,92                                                                              |
| 5200009371      | 01.08.2002   | -48.275,92                                                                             |
| 5200010568      | 01.09.2002   | -48.275,92                                                                             |
| 5200001509      | 31.01.2014   | 48.181,67                                                                              |
| 5200001881      | 01.02.2014   | -48.181,67                                                                             |
| 5200005356      | 29.02.2016   | 48.113,72                                                                              |
| 5200005876      | 01.03.2016   | -48.113,72                                                                             |
| 5200010322      | 31.03.2013   | 48.058,85                                                                              |
| 5200010665      | 01.04.2013   | -48.058,85                                                                             |
| 5000002164      | 31.12.2017   | 47.764,96                                                                              |
| 5000002218      | 31.12.2017   | -47.764,96                                                                             |
| 2713403         | 30.09.1995   | 47.734,54                                                                              |
| 2713429         | 05.10.1995   | -47.734,54                                                                             |
| 5200010756      | 30.04.2016   | 47.510,38                                                                              |
| 5200011240      | 01.05.2016   | -47.510,38                                                                             |
| 5200004094      | 29.02.2012   | 47.463,34                                                                              |
| 5200004366      | 01.03.2012   | -47.463,34                                                                             |
| 5200004255      | 28.02.2014   | 47.191,19                                                                              |
| 5200004656      | 01.03.2014   | -47.191,19                                                                             |
| 5200028822      | 30.11.2014   | 46.933,11                                                                              |
| 5200029186      | 01.12.2014   | -46.933,11                                                                             |
| 5200012467      | 31.05.2014   | 46.905,50                                                                              |
| 5200012914      | 01.06.2014   | -46.905,50                                                                             |
| 5200013172      | 30.11.2003   | 46.879,77                                                                              |
| 5200013195      | 01.12.2003   | -46.879,77                                                                             |
| 5200018356      | 31.07.2014   | 46.878,50                                                                              |
| 5200018779      | 01.08.2014   | -46.878,50                                                                             |
| 5200008437      | 31.03.2016   | 46.836,18                                                                              |
| 5200008926      | 01.04.2016   | -46.836,18                                                                             |
| 5200037334      | 31.12.2001   | 46.708,10                                                                              |
| 5200000582      | 01.01.2002   | -46.708,10                                                                             |
| 5200014818      | 31.05.2015   | 46.590,27                                                                              |
| 5200015209      | 01.06.2015   | -46.590,27                                                                             |
| 5200021449      | 30.06.2017   | 46.584,01                                                                              |
| 5200022007      | 01.07.2017   | -46.584,01                                                                             |
| 5200001729      | 31.05.2001   | 46.335,99                                                                              |
| 5200003137      | 30.06.2001   | 46.335,99                                                                              |
| 5200001756      | 01.06.2001   | -46.335,99                                                                             |
| 5200003175      | 01.07.2001   | -46.335,99                                                                             |
| 5200009590      | 30.04.2014   | 46.330,83                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200010012      | 01.05.2014   | -46.330,83                                                                             |
| 5000002163      | 31.12.2017   | 46.216,68                                                                              |
| 5000002216      | 31.12.2017   | -46.216,68                                                                             |
| 5200014431      | 31.05.2016   | 46.157,73                                                                              |
| 5200014906      | 01.06.2016   | -46.157,73                                                                             |
| 5200020148      | 31.12.2011   | 46.155,83                                                                              |
| 5200000621      | 01.01.2012   | -46.155,83                                                                             |
| 5000002163      | 31.12.2017   | 46.080,00                                                                              |
| 5000002216      | 31.12.2017   | -46.080,00                                                                             |
| 5000002163      | 31.12.2017   | 46.000,00                                                                              |
| 5200025901      | 31.10.2012   | 45.967,85                                                                              |
| 5200026206      | 01.11.2012   | -45.967,85                                                                             |
| 5200018193      | 30.06.2013   | 45.800,11                                                                              |
| 5200018593      | 01.07.2013   | -45.800,11                                                                             |
| 5200009788      | 30.04.2014   | 45.722,73                                                                              |
| 5200010210      | 01.05.2014   | -45.722,73                                                                             |
| 5200012919      | 30.04.2013   | 45.617,51                                                                              |
| 5200013270      | 01.05.2013   | -45.617,51                                                                             |
| 2706971         | 28.02.1995   | 45.581,28                                                                              |
| 2706992         | 07.03.1995   | -45.581,28                                                                             |
| 5200006829      | 31.03.2014   | 45.295,65                                                                              |
| 5200007235      | 01.04.2014   | -45.295,65                                                                             |
| 5200023819      | 31.08.2013   | 45.165,23                                                                              |
| 5200024172      | 01.09.2013   | -45.165,23                                                                             |
| 5200020441      | 31.07.2016   | 45.085,13                                                                              |
| 5200020911      | 01.08.2016   | -45.085,13                                                                             |
| 5200012887      | 30.04.2013   | 45.080,28                                                                              |
| 5200013238      | 01.05.2013   | -45.080,28                                                                             |
| 5000001609      | 31.12.2015   | 45.000,00                                                                              |
| 5200026529      | 30.09.2013   | 44.953,34                                                                              |
| 5200026898      | 01.10.2013   | -44.953,34                                                                             |
| 5200031709      | 30.11.2013   | 44.865,07                                                                              |
| 5200032065      | 01.12.2013   | -44.865,07                                                                             |
| 5200029178      | 31.10.2013   | 44.862,68                                                                              |
| 5200029520      | 01.11.2013   | -44.862,68                                                                             |
| 5200004021      | 28.02.2014   | 44.855,57                                                                              |
| 5200004422      | 01.03.2014   | -44.855,57                                                                             |
| 5000002163      | 31.12.2017   | 44.640,00                                                                              |
| 5000002216      | 31.12.2017   | -44.640,00                                                                             |
| 5200033775      | 31.12.2015   | 44.191,61                                                                              |
| 5200000489      | 01.01.2016   | -44.191,61                                                                             |
| 5200012916      | 30.04.2013   | 44.176,98                                                                              |
| 5200013267      | 01.05.2013   | -44.176,98                                                                             |
| 5200002722      | 31.01.2017   | 44.051,02                                                                              |
| 5200003272      | 01.02.2017   | -44.051,02                                                                             |
| 5000002228      | 31.12.2017   | 44.000,00                                                                              |
| 5200006607      | 31.03.2012   | 43.760,97                                                                              |
| 5200006904      | 01.04.2012   | -43.760,97                                                                             |
| 2714378         | 01.11.1995   | 43.588,64                                                                              |
| 2714356         | 03.11.1995   | -43.588,64                                                                             |
| 5200009169      | 31.03.2017   | 43.569,19                                                                              |
| 5200009708      | 01.04.2017   | -43.569,19                                                                             |
| 5200006105      | 30.09.2001   | 43.486,94                                                                              |
| 5200006132      | 01.10.2001   | -43.486,94                                                                             |
| 5200008557      | 31.03.2016   | 43.432,45                                                                              |
| 5200009046      | 01.04.2016   | -43.432,45                                                                             |
| 2710565         | 30.06.1995   | 43.398,89                                                                              |
| 2710587         | 05.07.1995   | -43.398,89                                                                             |
| 5200037337      | 31.12.2001   | 43.314,01                                                                              |
| 5200000585      | 01.01.2002   | -43.314,01                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006972      | 31.05.2002   | 43.269,40                                                                              |
| 5200006986      | 01.06.2002   | -43.269,40                                                                             |
| 5200004507      | 31.03.2002   | 43.132,87                                                                              |
| 5200004528      | 01.04.2002   | -43.132,87                                                                             |
| 5200020190      | 31.07.2015   | 43.100,81                                                                              |
| 5200020558      | 01.08.2015   | -43.100,81                                                                             |
| 5200010284      | 30.09.2003   | 43.045,95                                                                              |
| 5200010310      | 01.10.2003   | -43.045,95                                                                             |
| 5200023681      | 30.09.2014   | 42.833,05                                                                              |
| 5200024006      | 01.10.2014   | -42.833,05                                                                             |
| 5200010262      | 30.09.2003   | 42.820,07                                                                              |
| 5200010288      | 01.10.2003   | -42.820,07                                                                             |
| 5200005961      | 28.02.2017   | 42.708,93                                                                              |
| 5200006504      | 01.03.2017   | -42.708,93                                                                             |
| 5200003031      | 31.01.2013   | 42.704,16                                                                              |
| 5200003373      | 01.02.2013   | -42.704,16                                                                             |
| 5200015545      | 31.05.2013   | 42.649,47                                                                              |
| 5200015905      | 01.06.2013   | -42.649,47                                                                             |
| 2763336         | 31.12.1998   | 42.592,01                                                                              |
| 2763343         | 06.01.1999   | -42.592,01                                                                             |
| 5200018278      | 30.06.2013   | 42.501,31                                                                              |
| 5200018678      | 01.07.2013   | -42.501,31                                                                             |
| 5200006774      | 30.06.2003   | 42.438,30                                                                              |
| 5200006800      | 01.07.2003   | -42.438,30                                                                             |
| 5200031959      | 30.11.2015   | 42.390,90                                                                              |
| 5200032362      | 01.12.2015   | -42.390,90                                                                             |
| 5200026511      | 30.09.2013   | 41.945,18                                                                              |
| 5200026880      | 01.10.2013   | -41.945,18                                                                             |
| 5200010271      | 31.03.2013   | 41.842,73                                                                              |
| 5200010614      | 01.04.2013   | -41.842,73                                                                             |
| 5200018392      | 30.06.2013   | 41.734,69                                                                              |
| 5200018792      | 01.07.2013   | -41.734,69                                                                             |
| 5200002277      | 31.01.2012   | 41.694,95                                                                              |
| 5200002520      | 01.02.2012   | -41.694,95                                                                             |
| 5000000536      | 09.05.2016   | 41.600,00                                                                              |
| 5200031160      | 31.12.2014   | 41.443,22                                                                              |
| 5200000487      | 01.01.2015   | -41.443,22                                                                             |
| 5200029224      | 31.10.2013   | 41.361,08                                                                              |
| 5200029566      | 01.11.2013   | -41.361,08                                                                             |
| 5200001730      | 31.05.2001   | 41.191,38                                                                              |
| 5200001757      | 01.06.2001   | -41.191,38                                                                             |
| 5000002163      | 31.12.2017   | 41.118,00                                                                              |
| 5000002163      | 31.12.2017   | 41.000,00                                                                              |
| 5200004682      | 30.04.2003   | 40.722,00                                                                              |
| 5200004710      | 01.05.2003   | -40.722,00                                                                             |
| 5200031903      | 30.09.2017   | 40.336,08                                                                              |
| 5200032461      | 01.10.2017   | -40.336,08                                                                             |
| 5200022140      | 30.09.2012   | 40.322,75                                                                              |
| 5200022434      | 01.10.2012   | -40.322,75                                                                             |
| 5200006974      | 31.05.2002   | 40.316,70                                                                              |
| 5200006988      | 01.06.2002   | -40.316,70                                                                             |
| 5200021151      | 31.07.2013   | 40.256,11                                                                              |
| 5200021508      | 01.08.2013   | -40.256,11                                                                             |
| 5200025808      | 31.10.2012   | 40.031,68                                                                              |
| 5200026113      | 01.11.2012   | -40.031,68                                                                             |
| 5000002163      | 31.12.2017   | 40.000,00                                                                              |
| 5200003624      | 31.03.2003   | 39.887,37                                                                              |
| 5200003651      | 01.04.2003   | -39.887,37                                                                             |
| 5200012954      | 31.10.2002   | 39.868,46                                                                              |
| 5200012976      | 01.11.2002   | -39.868,46                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002163      | 31.12.2017   | 39.653,00                                                                              |
| 5200006107      | 30.09.2001   | 39.597,57                                                                              |
| 5200006134      | 01.10.2001   | -39.597,57                                                                             |
| 5200017550      | 31.07.2012   | 39.373,51                                                                              |
| 5200017836      | 01.08.2012   | -39.373,51                                                                             |
| 5200031655      | 30.11.2013   | 39.352,58                                                                              |
| 5200032011      | 01.12.2013   | -39.352,58                                                                             |
| 5000002163      | 31.12.2017   | 39.186,43                                                                              |
| 5200023572      | 30.09.2014   | 38.945,50                                                                              |
| 5200023897      | 01.10.2014   | -38.945,50                                                                             |
| 5200014114      | 30.11.2002   | 38.875,00                                                                              |
| 5200014137      | 01.12.2002   | -38.875,00                                                                             |
| 2706972         | 28.02.1995   | 38.759,70                                                                              |
| 2706993         | 07.03.1995   | -38.759,70                                                                             |
| 5200028675      | 30.11.2012   | 38.753,94                                                                              |
| 5200022960      | 31.08.2015   | 38.753,94                                                                              |
| 5200028984      | 01.12.2012   | -38.753,94                                                                             |
| 5200023340      | 01.09.2015   | -38.753,94                                                                             |
| 5200018131      | 31.07.2014   | 38.708,79                                                                              |
| 5200018554      | 01.08.2014   | -38.708,79                                                                             |
| 5200011785      | 31.10.2003   | 38.628,78                                                                              |
| 5200011809      | 01.11.2003   | -38.628,78                                                                             |
| 5200018168      | 31.07.2014   | 38.546,94                                                                              |
| 5200018591      | 01.08.2014   | -38.546,94                                                                             |
| 5200003019      | 31.01.2013   | 38.364,94                                                                              |
| 5200003361      | 01.02.2013   | -38.364,94                                                                             |
| 5200006573      | 31.03.2012   | 38.123,78                                                                              |
| 5200006870      | 01.04.2012   | -38.123,78                                                                             |
| 5200004114      | 28.02.2014   | 37.995,39                                                                              |
| 5200004515      | 01.03.2014   | -37.995,39                                                                             |
| 5200006884      | 31.03.2014   | 37.939,47                                                                              |
| 5200007290      | 01.04.2014   | -37.939,47                                                                             |
| 5200035579      | 31.10.2017   | 37.783,35                                                                              |
| 5200036135      | 01.11.2017   | -37.783,35                                                                             |
| 5200007342      | 28.02.2013   | 37.779,59                                                                              |
| 5200007675      | 01.03.2013   | -37.779,59                                                                             |
| 5200020158      | 31.12.2011   | 37.714,75                                                                              |
| 5200000631      | 01.01.2012   | -37.714,75                                                                             |
| 5200000005      | 30.04.2001   | 37.595,85                                                                              |
| 5200000032      | 01.05.2001   | -37.595,85                                                                             |
| 5000002157      | 31.12.2017   | 37.500,00                                                                              |
| 5200033848      | 31.12.2013   | 37.467,74                                                                              |
| 5200000542      | 01.01.2014   | -37.467,74                                                                             |
| 5200020889      | 31.08.2014   | 37.268,73                                                                              |
| 5200021322      | 01.09.2014   | -37.268,73                                                                             |
| 5200005738      | 30.04.2002   | 37.235,74                                                                              |
| 5200005761      | 01.05.2002   | -37.235,74                                                                             |
| 2705212         | 31.12.1994   | 37.051,15                                                                              |
| 2705232         | 02.01.1995   | -37.051,15                                                                             |
| 5200023401      | 31.08.2016   | 37.011,36                                                                              |
| 5200023864      | 01.09.2016   | -37.011,36                                                                             |
| 5200031295      | 31.12.2014   | 37.006,30                                                                              |
| 5200010238      | 31.03.2013   | 36.960,06                                                                              |
| 5200010581      | 01.04.2013   | -36.960,06                                                                             |
| 5200007390      | 28.02.2013   | 36.949,18                                                                              |
| 5200007723      | 01.03.2013   | -36.949,18                                                                             |
| 5200000620      | 01.01.2015   | -36.935,72                                                                             |
| 5200020102      | 31.12.2011   | 36.926,70                                                                              |
| 5200000575      | 01.01.2012   | -36.926,70                                                                             |
| 5200042498      | 31.12.2017   | 36.923,44                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200001639      | 31.01.2016   | 36.824,02                                                                              |
| 5200002130      | 01.02.2016   | -36.824,02                                                                             |
| 5200006546      | 31.03.2012   | 36.776,28                                                                              |
| 5200006843      | 01.04.2012   | -36.776,28                                                                             |
| 5200023761      | 31.08.2013   | 36.719,22                                                                              |
| 5200024114      | 01.09.2013   | -36.719,22                                                                             |
| 5200033739      | 31.12.2015   | 36.519,80                                                                              |
| 5200000453      | 01.01.2016   | -36.519,80                                                                             |
| 5200020944      | 31.08.2014   | 36.234,13                                                                              |
| 5200021377      | 01.09.2014   | -36.234,13                                                                             |
| 5200015278      | 30.06.2014   | 36.193,87                                                                              |
| 5200015708      | 01.07.2014   | -36.193,87                                                                             |
| 5200009644      | 30.04.2014   | 36.139,54                                                                              |
| 5200012335      | 31.05.2014   | 36.139,54                                                                              |
| 5200010066      | 01.05.2014   | -36.139,54                                                                             |
| 5200012782      | 01.06.2014   | -36.139,54                                                                             |
| 5200018224      | 31.07.2014   | 36.131,36                                                                              |
| 5200018647      | 01.08.2014   | -36.131,36                                                                             |
| 5200021259      | 31.07.2013   | 35.947,55                                                                              |
| 5200021616      | 01.08.2013   | -35.947,55                                                                             |
| 2712481         | 31.08.1995   | 35.930,45                                                                              |
| 2712505         | 04.09.1995   | -35.930,45                                                                             |
| 5200017564      | 30.06.2015   | 35.860,57                                                                              |
| 5200017917      | 01.07.2015   | -35.860,57                                                                             |
| 5200001396      | 31.01.2014   | 35.833,17                                                                              |
| 5200001768      | 01.02.2014   | -35.833,17                                                                             |
| 5200014298      | 31.12.2003   | 35.730,14                                                                              |
| 5200000394      | 01.01.2004   | -35.730,14                                                                             |
| 5200018274      | 30.06.2013   | 35.609,67                                                                              |
| 5200018674      | 01.07.2013   | -35.609,67                                                                             |
| 5200004508      | 31.03.2002   | 35.596,58                                                                              |
| 5200004529      | 01.04.2002   | -35.596,58                                                                             |
| 2709658         | 31.05.1995   | 35.136,38                                                                              |
| 2709680         | 06.06.1995   | -35.136,38                                                                             |
| 5200033806      | 31.12.2015   | 35.061,39                                                                              |
| 5200000520      | 01.01.2016   | -35.061,39                                                                             |
| 5200028970      | 30.11.2014   | 34.886,32                                                                              |
| 5200029334      | 01.12.2014   | -34.886,32                                                                             |
| 5200026200      | 30.09.2015   | 34.838,04                                                                              |
| 5200026615      | 01.10.2015   | -34.838,04                                                                             |
| 5000002163      | 31.12.2017   | 34.804,00                                                                              |
| 5000002164      | 31.12.2017   | 34.753,64                                                                              |
| 5000002163      | 31.12.2017   | 34.694,66                                                                              |
| 5200017465      | 31.07.2012   | 34.623,21                                                                              |
| 5200017751      | 01.08.2012   | -34.623,21                                                                             |
| 5200014859      | 31.05.2015   | 34.530,01                                                                              |
| 5200015250      | 01.06.2015   | -34.530,01                                                                             |
| 2708004         | 31.03.1995   | 34.468,89                                                                              |
| 2707929         | 07.04.1995   | -34.468,89                                                                             |
| 5200015220      | 30.06.2014   | 34.413,30                                                                              |
| 5200015650      | 01.07.2014   | -34.413,30                                                                             |
| 5200004138      | 28.02.2014   | 34.366,87                                                                              |
| 5200004539      | 01.03.2014   | -34.366,87                                                                             |
| 5200017735      | 31.05.2017   | 34.267,55                                                                              |
| 5200018296      | 01.06.2017   | -34.267,55                                                                             |
| 5200002515      | 28.02.2003   | 34.211,65                                                                              |
| 5200002542      | 01.03.2003   | -34.211,65                                                                             |
| 5200034524      | 31.12.2016   | 34.124,71                                                                              |
| 5200000620      | 01.01.2017   | -34.124,71                                                                             |
| 5200011954      | 31.05.2012   | 33.996,11                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200012228      | 01.06.2012   | -33.996,11                                                                             |
| 5200030981      | 31.12.2012   | 33.957,55                                                                              |
| 5200000598      | 01.01.2013   | -33.957,55                                                                             |
| 5200029125      | 31.10.2013   | 33.891,57                                                                              |
| 5200029467      | 01.11.2013   | -33.891,57                                                                             |
| 5200022125      | 30.09.2012   | 33.867,50                                                                              |
| 5200022419      | 01.10.2012   | -33.867,50                                                                             |
| 5200013075      | 30.04.2013   | 33.776,61                                                                              |
| 5200013426      | 01.05.2013   | -33.776,61                                                                             |
| 5200011780      | 31.10.2003   | 33.255,17                                                                              |
| 5200011804      | 01.11.2003   | -33.255,17                                                                             |
| 5200011841      | 30.04.2015   | 33.138,05                                                                              |
| 5200012255      | 01.05.2015   | -33.138,05                                                                             |
| 5200029025      | 31.10.2015   | 33.096,49                                                                              |
| 5200029433      | 01.11.2015   | -33.096,49                                                                             |
| 5200014544      | 31.05.2016   | 33.040,20                                                                              |
| 5200015019      | 01.06.2016   | -33.040,20                                                                             |
| 2710561         | 30.06.1995   | 32.871,73                                                                              |
| 2710583         | 05.07.1995   | -32.871,73                                                                             |
| 5200042705      | 31.12.2017   | 32.830,67                                                                              |
| 5200003630      | 31.03.2003   | 32.771,73                                                                              |
| 5200003657      | 01.04.2003   | -32.771,73                                                                             |
| 5200022953      | 31.08.2015   | 32.765,22                                                                              |
| 5200023333      | 01.09.2015   | -32.765,22                                                                             |
| 5200032576      | 30.11.2016   | 32.748,29                                                                              |
| 5200033043      | 01.12.2016   | -32.748,29                                                                             |
| 5200013719      | 30.04.2017   | 32.584,62                                                                              |
| 5200014276      | 01.05.2017   | -32.584,62                                                                             |
| 5000002163      | 31.12.2017   | 32.240,00                                                                              |
| 5000002216      | 31.12.2017   | -32.240,00                                                                             |
| 5200026313      | 31.10.2014   | 32.034,03                                                                              |
| 5200026666      | 01.11.2014   | -32.034,03                                                                             |
| 5200023678      | 30.09.2014   | 32.031,77                                                                              |
| 5200024003      | 01.10.2014   | -32.031,77                                                                             |
| 5200009659      | 30.04.2014   | 31.992,48                                                                              |
| 5200010081      | 01.05.2014   | -31.992,48                                                                             |
| 5200021260      | 31.07.2013   | 31.898,58                                                                              |
| 5200021617      | 01.08.2013   | -31.898,58                                                                             |
| 2713394         | 30.09.1995   | 31.606,11                                                                              |
| 2713420         | 05.10.1995   | -31.606,11                                                                             |
| 5200021516      | 30.06.2017   | 31.323,81                                                                              |
| 5200022074      | 01.07.2017   | -31.323,81                                                                             |
| 5200008947      | 31.08.2003   | 31.307,49                                                                              |
| 5200008973      | 01.09.2003   | -31.307,49                                                                             |
| 5200026573      | 30.09.2013   | 30.989,76                                                                              |
| 5200026942      | 01.10.2013   | -30.989,76                                                                             |
| 5200022130      | 30.09.2012   | 30.968,26                                                                              |
| 5200022424      | 01.10.2012   | -30.968,26                                                                             |
| 5200033795      | 31.12.2015   | 30.963,58                                                                              |
| 5200001526      | 31.01.2016   | 30.963,58                                                                              |
| 5200000509      | 01.01.2016   | -30.963,58                                                                             |
| 5200002017      | 01.02.2016   | -30.963,58                                                                             |
| 5200020109      | 31.08.2012   | 30.840,32                                                                              |
| 5200020395      | 01.09.2012   | -30.840,32                                                                             |
| 5200008940      | 31.08.2003   | 30.697,91                                                                              |
| 5200008966      | 01.09.2003   | -30.697,91                                                                             |
| 5200010869      | 30.04.2016   | 30.481,73                                                                              |
| 5200011353      | 01.05.2016   | -30.481,73                                                                             |
| 5200028210      | 31.08.2017   | 30.477,05                                                                              |
| 5200028772      | 01.09.2017   | -30.477,05                                                                             |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2714372         | 01.11.1995   | 30.436,30                                                                              |
| 2714350         | 03.11.1995   | -30.436,30                                                                             |
| 5200024469      | 31.07.2017   | 30.409,53                                                                              |
| 5200025018      | 01.08.2017   | -30.409,53                                                                             |
| 5200026478      | 30.09.2013   | 30.311,47                                                                              |
| 5200026847      | 01.10.2013   | -30.311,47                                                                             |
| 5000002163      | 31.12.2017   | 30.207,25                                                                              |
| 5000002216      | 31.12.2017   | -30.207,25                                                                             |
| 5200005751      | 31.05.2003   | 30.159,40                                                                              |
| 5200005778      | 01.06.2003   | -30.159,40                                                                             |
| 5000002163      | 31.12.2017   | 30.030,00                                                                              |
| 5000002157      | 31.12.2017   | 30.000,00                                                                              |
| 5000002163      | 31.12.2017   | 30.000,00                                                                              |
| 5000002163      | 31.12.2017   | 29.970,00                                                                              |
| 5200005485      | 29.02.2016   | 29.821,65                                                                              |
| 5200006005      | 01.03.2016   | -29.821,65                                                                             |
| 5200017463      | 31.07.2012   | 29.788,13                                                                              |
| 5200017749      | 01.08.2012   | -29.788,13                                                                             |
| 5200022136      | 30.09.2012   | 29.717,78                                                                              |
| 5200022430      | 01.10.2012   | -29.717,78                                                                             |
| 5200003633      | 31.03.2003   | 29.702,41                                                                              |
| 5200003660      | 01.04.2003   | -29.702,41                                                                             |
| 5200017551      | 31.07.2012   | 29.586,41                                                                              |
| 5200017837      | 01.08.2012   | -29.586,41                                                                             |
| 5000002163      | 31.12.2017   | 29.568,00                                                                              |
| 5200003196      | 28.02.2002   | 29.545,78                                                                              |
| 5200003224      | 01.03.2002   | -29.545,78                                                                             |
| 5000002163      | 31.12.2017   | 29.500,00                                                                              |
| 5000002216      | 31.12.2017   | -29.500,00                                                                             |
| 5200006001      | 28.02.2017   | 29.382,27                                                                              |
| 5200006544      | 01.03.2017   | -29.382,27                                                                             |
| 5200016704      | 30.06.2016   | 29.334,83                                                                              |
| 5200017165      | 01.07.2016   | -29.334,83                                                                             |
| 5200002755      | 31.01.2017   | 29.276,36                                                                              |
| 5200003305      | 01.02.2017   | -29.276,36                                                                             |
| 5200003143      | 31.01.2013   | 29.255,57                                                                              |
| 5200003484      | 01.02.2013   | -29.255,57                                                                             |
| 5200006653      | 31.03.2012   | 29.182,43                                                                              |
| 5200006950      | 01.04.2012   | -29.182,43                                                                             |
| 5200020897      | 31.08.2014   | 29.000,30                                                                              |
| 5200021330      | 01.09.2014   | -29.000,30                                                                             |
| 5200018176      | 31.07.2014   | 28.869,90                                                                              |
| 5200018599      | 01.08.2014   | -28.869,90                                                                             |
| 5000002163      | 31.12.2017   | 28.845,89                                                                              |
| 5000002163      | 31.12.2017   | 28.768,00                                                                              |
| 5200013169      | 30.11.2003   | 28.730,93                                                                              |
| 5200013192      | 01.12.2003   | -28.730,93                                                                             |
| 5200035645      | 31.10.2017   | 28.718,46                                                                              |
| 5200036201      | 01.11.2017   | -28.718,46                                                                             |
| 5200014659      | 30.06.2012   | 28.714,08                                                                              |
| 5200014949      | 01.07.2012   | -28.714,08                                                                             |
| 5200014280      | 31.12.2003   | 28.664,93                                                                              |
| 5200000376      | 01.01.2004   | -28.664,93                                                                             |
| 5000002216      | 31.12.2017   | -28.603,04                                                                             |
| 5200014705      | 31.12.2002   | 28.575,89                                                                              |
| 5200000481      | 01.01.2003   | -28.575,89                                                                             |
| 5200017462      | 31.07.2012   | 28.303,82                                                                              |
| 5200017748      | 01.08.2012   | -28.303,82                                                                             |
| 5200004140      | 29.02.2012   | 28.270,58                                                                              |
| 5200004412      | 01.03.2012   | -28.270,58                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200012054      | 31.05.2012   | 28.185,05                                                                              |
| 5200012328      | 01.06.2012   | -28.185,05                                                                             |
| 5000002163      | 31.12.2017   | 28.140,11                                                                              |
| 5000002216      | 31.12.2017   | -28.140,11                                                                             |
| 5200026248      | 30.09.2015   | 28.126,73                                                                              |
| 5200026663      | 01.10.2015   | -28.126,73                                                                             |
| 5200020113      | 31.08.2012   | 28.115,40                                                                              |
| 5200020399      | 01.09.2012   | -28.115,40                                                                             |
| 5200004146      | 29.02.2012   | 28.033,55                                                                              |
| 5200004418      | 01.03.2012   | -28.033,55                                                                             |
| 5200007513      | 28.02.2013   | 28.002,15                                                                              |
| 5200007846      | 01.03.2013   | -28.002,15                                                                             |
| 5200007420      | 28.02.2013   | 28.001,69                                                                              |
| 5200007753      | 01.03.2013   | -28.001,69                                                                             |
| 5200031982      | 30.11.2015   | 27.893,02                                                                              |
| 5200032385      | 01.12.2015   | -27.893,02                                                                             |
| 5200020106      | 31.08.2012   | 27.862,42                                                                              |
| 5200020392      | 01.09.2012   | -27.862,42                                                                             |
| 5200007398      | 28.02.2013   | 27.758,15                                                                              |
| 5200007731      | 01.03.2013   | -27.758,15                                                                             |
| 5200014757      | 30.06.2012   | 27.738,87                                                                              |
| 5200015047      | 01.07.2012   | -27.738,87                                                                             |
| 5000002163      | 31.12.2017   | 27.719,69                                                                              |
| 5200028606      | 30.11.2012   | 27.595,41                                                                              |
| 5200028915      | 01.12.2012   | -27.595,41                                                                             |
| 5200028720      | 30.11.2012   | 27.493,54                                                                              |
| 5200029029      | 01.12.2012   | -27.493,54                                                                             |
| 5200020544      | 31.07.2016   | 27.425,39                                                                              |
| 5200021014      | 01.08.2016   | -27.425,39                                                                             |
| 5200018237      | 30.06.2013   | 27.398,27                                                                              |
| 5200018637      | 01.07.2013   | -27.398,27                                                                             |
| 5200007510      | 28.02.2013   | 27.264,36                                                                              |
| 5200007843      | 01.03.2013   | -27.264,36                                                                             |
| 5200001420      | 31.01.2002   | 27.237,78                                                                              |
| 5200001461      | 01.02.2002   | -27.237,78                                                                             |
| 5000002163      | 31.12.2017   | 27.166,83                                                                              |
| 5200023721      | 31.08.2013   | 27.143,27                                                                              |
| 5200024074      | 01.09.2013   | -27.143,27                                                                             |
| 5200011767      | 31.10.2003   | 27.077,30                                                                              |
| 5200011791      | 01.11.2003   | -27.077,30                                                                             |
| 5200025804      | 31.10.2012   | 27.002,98                                                                              |
| 5200026109      | 01.11.2012   | -27.002,98                                                                             |
| 5200000019      | 30.04.2001   | 26.981,98                                                                              |
| 5200000046      | 01.05.2001   | -26.981,98                                                                             |
| 2708707         | 30.04.1995   | 26.864,04                                                                              |
| 2708729         | 04.05.1995   | -26.864,04                                                                             |
| 5200033848      | 31.12.2015   | 26.852,59                                                                              |
| 5200000562      | 01.01.2016   | -26.852,59                                                                             |
| 5200031224      | 31.12.2014   | 26.797,94                                                                              |
| 5200002205      | 31.01.2015   | 26.797,94                                                                              |
| 5200004496      | 28.02.2015   | 26.797,94                                                                              |
| 5200007732      | 31.03.2015   | 26.797,94                                                                              |
| 5200000551      | 01.01.2015   | -26.797,94                                                                             |
| 5200002629      | 01.02.2015   | -26.797,94                                                                             |
| 5200004927      | 01.03.2015   | -26.797,94                                                                             |
| 5200008136      | 01.04.2015   | -26.797,94                                                                             |
| 5200021037      | 31.08.2014   | 26.759,16                                                                              |
| 5200021470      | 01.09.2014   | -26.759,16                                                                             |
| 5200031970      | 30.09.2017   | 26.683,80                                                                              |
| 5200032528      | 01.10.2017   | -26.683,80                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006571      | 31.03.2012   | 26.541,86                                                                              |
| 5200006868      | 01.04.2012   | -26.541,86                                                                             |
| 5200020227      | 31.07.2015   | 26.432,56                                                                              |
| 5200020595      | 01.08.2015   | -26.432,56                                                                             |
| 5200005430      | 29.02.2016   | 26.328,05                                                                              |
| 5200005950      | 01.03.2016   | -26.328,05                                                                             |
| 5200029065      | 31.10.2015   | 26.248,71                                                                              |
| 5200029473      | 01.11.2015   | -26.248,71                                                                             |
| 5200032003      | 30.11.2015   | 26.223,77                                                                              |
| 5200032406      | 01.12.2015   | -26.223,77                                                                             |
| 5000002163      | 31.12.2017   | 26.172,30                                                                              |
| 5200022992      | 31.08.2015   | 26.172,22                                                                              |
| 5200023372      | 01.09.2015   | -26.172,22                                                                             |
| 5200015656      | 31.05.2013   | 26.114,17                                                                              |
| 5200016016      | 01.06.2013   | -26.114,17                                                                             |
| 2714370         | 01.11.1995   | 26.033,60                                                                              |
| 2714348         | 03.11.1995   | -26.033,60                                                                             |
| 5200015505      | 31.05.2013   | 25.982,72                                                                              |
| 5200021111      | 31.07.2013   | 25.982,72                                                                              |
| 5200015865      | 01.06.2013   | -25.982,72                                                                             |
| 5200021468      | 01.08.2013   | -25.982,72                                                                             |
| 5200036284      | 30.11.2001   | 25.973,39                                                                              |
| 5200036310      | 01.12.2001   | -25.973,39                                                                             |
| 5200017530      | 30.06.2015   | 25.889,58                                                                              |
| 5200017883      | 01.07.2015   | -25.889,58                                                                             |
| 5200013717      | 30.04.2017   | 25.880,58                                                                              |
| 5200014274      | 01.05.2017   | -25.880,58                                                                             |
| 5200001607      | 31.01.2016   | 25.794,30                                                                              |
| 5200002098      | 01.02.2016   | -25.794,30                                                                             |
| 5200008508      | 31.03.2016   | 25.794,09                                                                              |
| 5200010820      | 30.04.2016   | 25.794,09                                                                              |
| 5200008997      | 01.04.2016   | -25.794,09                                                                             |
| 5200011304      | 01.05.2016   | -25.794,09                                                                             |
| 5200020191      | 31.08.2012   | 25.591,92                                                                              |
| 5200020477      | 01.09.2012   | -25.591,92                                                                             |
| 5200040252      | 30.11.2017   | 25.491,00                                                                              |
| 5200040802      | 01.12.2017   | -25.491,00                                                                             |
| 5200023013      | 31.08.2015   | 25.480,79                                                                              |
| 5200023393      | 01.09.2015   | -25.480,79                                                                             |
| 5200012929      | 30.04.2013   | 25.441,55                                                                              |
| 5200013280      | 01.05.2013   | -25.441,55                                                                             |
| 5000002163      | 31.12.2017   | 25.366,00                                                                              |
| 5000002216      | 31.12.2017   | -25.366,00                                                                             |
| 2716266         | 31.12.1995   | 25.314,65                                                                              |
| 2715915         | 31.12.1995   | 25.314,65                                                                              |
| 2716466         | 06.01.1996   | 25.314,65                                                                              |
| 2716458         | 31.12.1995   | -25.314,65                                                                             |
| 2715923         | 06.01.1996   | -25.314,65                                                                             |
| 2716274         | 06.01.1996   | -25.314,65                                                                             |
| 5200020126      | 31.12.2011   | 25.218,30                                                                              |
| 5200000599      | 01.01.2012   | -25.218,30                                                                             |
| 5000002163      | 31.12.2017   | 25.050,00                                                                              |
| 5200011999      | 30.04.2015   | 24.881,87                                                                              |
| 5200012413      | 01.05.2015   | -24.881,87                                                                             |
| 5200002307      | 31.01.2015   | 24.803,46                                                                              |
| 5200002731      | 01.02.2015   | -24.803,46                                                                             |
| 5000002163      | 31.12.2017   | 24.760,32                                                                              |
| 5000002163      | 31.12.2017   | 24.666,18                                                                              |
| 5200003039      | 31.01.2013   | 24.661,82                                                                              |
| 5200003381      | 01.02.2013   | -24.661,82                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 2714374         | 01.11.1995   | 24.624,53                                                                              |
| 2714352         | 03.11.1995   | -24.624,53                                                                             |
| 5000002163      | 31.12.2017   | 24.493,31                                                                              |
| 5200020248      | 31.07.2015   | 24.445,95                                                                              |
| 5200020616      | 01.08.2015   | -24.445,95                                                                             |
| 5000002163      | 31.12.2017   | 24.304,00                                                                              |
| 5000002216      | 31.12.2017   | -24.304,00                                                                             |
| 5200017548      | 30.06.2015   | 24.080,20                                                                              |
| 5200017901      | 01.07.2015   | -24.080,20                                                                             |
| 5200009026      | 30.04.2012   | 24.049,93                                                                              |
| 5200009304      | 01.05.2012   | -24.049,93                                                                             |
| 5200002254      | 31.01.2012   | 23.864,18                                                                              |
| 5200002497      | 01.02.2012   | -23.864,18                                                                             |
| 5200028933      | 30.11.2014   | 23.827,85                                                                              |
| 5200029297      | 01.12.2014   | -23.827,85                                                                             |
| 5200004058      | 29.02.2012   | 23.708,65                                                                              |
| 5200004330      | 01.03.2012   | -23.708,65                                                                             |
| 5200022127      | 30.09.2012   | 23.633,97                                                                              |
| 5200022421      | 01.10.2012   | -23.633,97                                                                             |
| 5200020129      | 31.12.2011   | 23.608,98                                                                              |
| 5200000602      | 01.01.2012   | -23.608,98                                                                             |
| 5000002163      | 31.12.2017   | 23.562,00                                                                              |
| 5000002216      | 31.12.2017   | -23.562,00                                                                             |
| 5200020124      | 31.07.2015   | 23.550,94                                                                              |
| 5200020492      | 01.08.2015   | -23.550,94                                                                             |
| 2708697         | 30.04.1995   | 23.504,55                                                                              |
| 2708719         | 04.05.1995   | -23.504,55                                                                             |
| 5200029048      | 31.10.2015   | 23.395,94                                                                              |
| 5200029456      | 01.11.2015   | -23.395,94                                                                             |
| 2712479         | 31.08.1995   | 23.368,49                                                                              |
| 2712503         | 04.09.1995   | -23.368,49                                                                             |
| 5200002216      | 31.01.2012   | 23.125,81                                                                              |
| 5200002459      | 01.02.2012   | -23.125,81                                                                             |
| 5000002163      | 31.12.2017   | 23.100,00                                                                              |
| 5000002163      | 31.12.2017   | 23.100,00                                                                              |
| 5200004050      | 28.02.2014   | 23.080,05                                                                              |
| 5200004451      | 01.03.2014   | -23.080,05                                                                             |
| 5200031981      | 30.11.2015   | 22.976,14                                                                              |
| 5200032384      | 01.12.2015   | -22.976,14                                                                             |
| 5200026223      | 30.09.2015   | 22.922,67                                                                              |
| 5200026638      | 01.10.2015   | -22.922,67                                                                             |
| 5200033826      | 31.12.2015   | 22.900,45                                                                              |
| 5200001571      | 31.01.2016   | 22.900,45                                                                              |
| 5200000540      | 01.01.2016   | -22.900,45                                                                             |
| 5200002062      | 01.02.2016   | -22.900,45                                                                             |
| 5200005392      | 29.02.2016   | 22.862,60                                                                              |
| 5200008473      | 31.03.2016   | 22.862,60                                                                              |
| 5200010786      | 30.04.2016   | 22.862,60                                                                              |
| 5200005912      | 01.03.2016   | -22.862,60                                                                             |
| 5200008962      | 01.04.2016   | -22.862,60                                                                             |
| 5200011270      | 01.05.2016   | -22.862,60                                                                             |
| 5200014462      | 31.05.2016   | 22.841,74                                                                              |
| 5200016731      | 30.06.2016   | 22.841,74                                                                              |
| 5200020468      | 31.07.2016   | 22.841,74                                                                              |
| 5200023427      | 31.08.2016   | 22.841,74                                                                              |
| 5200026603      | 30.09.2016   | 22.841,74                                                                              |
| 5200029650      | 31.10.2016   | 22.841,74                                                                              |
| 5200014937      | 01.06.2016   | -22.841,74                                                                             |
| 5200017192      | 01.07.2016   | -22.841,74                                                                             |
| 5200020938      | 01.08.2016   | -22.841,74                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200023890      | 01.09.2016   | -22.841,74                                                                             |
| 5200027059      | 01.10.2016   | -22.841,74                                                                             |
| 5200030101      | 01.11.2016   | -22.841,74                                                                             |
| 5200001736      | 31.05.2001   | 22.830,50                                                                              |
| 5200001763      | 01.06.2001   | -22.830,50                                                                             |
| 5200031075      | 31.12.2012   | 22.763,84                                                                              |
| 5200000692      | 01.01.2013   | -22.763,84                                                                             |
| 5200003162      | 30.06.2001   | 22.725,37                                                                              |
| 5200004256      | 31.07.2001   | 22.725,37                                                                              |
| 5200003200      | 01.07.2001   | -22.725,37                                                                             |
| 5200004283      | 01.08.2001   | -22.725,37                                                                             |
| 5000002163      | 31.12.2017   | 22.725,00                                                                              |
| 5200000008      | 30.04.2001   | 22.724,05                                                                              |
| 5200000035      | 01.05.2001   | -22.724,05                                                                             |
| 5200001658      | 31.01.2016   | 22.696,02                                                                              |
| 5200002149      | 01.02.2016   | -22.696,02                                                                             |
| 5200020103      | 31.08.2012   | 22.610,46                                                                              |
| 5200020389      | 01.09.2012   | -22.610,46                                                                             |
| 5200026576      | 30.09.2016   | 22.494,47                                                                              |
| 5200027032      | 01.10.2016   | -22.494,47                                                                             |
| 5000002163      | 31.12.2017   | 22.477,84                                                                              |
| 5200004500      | 31.03.2002   | 22.421,92                                                                              |
| 5200004521      | 01.04.2002   | -22.421,92                                                                             |
| 5200004599      | 28.02.2015   | 22.408,80                                                                              |
| 5200005030      | 01.03.2015   | -22.408,80                                                                             |
| 5200010371      | 31.03.2013   | 22.311,15                                                                              |
| 5200010714      | 01.04.2013   | -22.311,15                                                                             |
| 5200028718      | 30.11.2012   | 22.253,27                                                                              |
| 5200029027      | 01.12.2012   | -22.253,27                                                                             |
| 5200034553      | 31.12.2016   | 22.180,80                                                                              |
| 5200000649      | 01.01.2017   | -22.180,80                                                                             |
| 5200028972      | 30.11.2014   | 22.179,06                                                                              |
| 5200029336      | 01.12.2014   | -22.179,06                                                                             |
| 5200031084      | 31.12.2012   | 22.148,29                                                                              |
| 5200003139      | 31.01.2013   | 22.148,29                                                                              |
| 5200000701      | 01.01.2013   | -22.148,29                                                                             |
| 5200003480      | 01.02.2013   | -22.148,29                                                                             |
| 5000001631      | 31.12.2015   | 22.000,00                                                                              |
| 2709660         | 31.05.1995   | 21.926,20                                                                              |
| 2709682         | 06.06.1995   | -21.926,20                                                                             |
| 5200017733      | 31.05.2017   | 21.904,44                                                                              |
| 5200018294      | 01.06.2017   | -21.904,44                                                                             |
| 5200021447      | 30.06.2017   | 21.841,63                                                                              |
| 5200022005      | 01.07.2017   | -21.841,63                                                                             |
| 5200009233      | 31.03.2017   | 21.742,98                                                                              |
| 5200009772      | 01.04.2017   | -21.742,98                                                                             |
| 5200029085      | 31.10.2015   | 21.688,36                                                                              |
| 5200029493      | 01.11.2015   | -21.688,36                                                                             |
| 5200013178      | 30.11.2003   | 21.575,52                                                                              |
| 5200013201      | 01.12.2003   | -21.575,52                                                                             |
| 5200036278      | 30.11.2001   | 21.562,85                                                                              |
| 5200036304      | 01.12.2001   | -21.562,85                                                                             |
| 5200011987      | 31.05.2012   | 21.500,62                                                                              |
| 5200012261      | 01.06.2012   | -21.500,62                                                                             |
| 5200021187      | 31.07.2013   | 21.489,31                                                                              |
| 5200021544      | 01.08.2013   | -21.489,31                                                                             |
| 5200011775      | 31.10.2003   | 21.434,26                                                                              |
| 5200011799      | 01.11.2003   | -21.434,26                                                                             |
| 5200022222      | 30.09.2012   | 21.380,68                                                                              |
| 5200022516      | 01.10.2012   | -21.380,68                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026269      | 30.09.2015   | 21.363,56                                                                              |
| 5200026684      | 01.10.2015   | -21.363,56                                                                             |
| 5200007400      | 28.02.2013   | 21.225,13                                                                              |
| 5200007733      | 01.03.2013   | -21.225,13                                                                             |
| 5200003011      | 31.01.2013   | 21.186,15                                                                              |
| 5200003353      | 01.02.2013   | -21.186,15                                                                             |
| 5200033869      | 31.12.2015   | 21.150,40                                                                              |
| 5200000583      | 01.01.2016   | -21.150,40                                                                             |
| 5000002163      | 31.12.2017   | 20.902,00                                                                              |
| 5200023680      | 30.09.2014   | 20.887,78                                                                              |
| 5200024005      | 01.10.2014   | -20.887,78                                                                             |
| 5200012063      | 31.05.2012   | 20.862,06                                                                              |
| 5200012337      | 01.06.2012   | -20.862,06                                                                             |
| 5000002163      | 31.12.2017   | 20.832,00                                                                              |
| 5200014113      | 30.11.2002   | 20.825,16                                                                              |
| 5200014136      | 01.12.2002   | -20.825,16                                                                             |
| 2708702         | 30.04.1995   | 20.793,93                                                                              |
| 2708724         | 04.05.1995   | -20.793,93                                                                             |
| 5200033799      | 31.12.2013   | 20.792,11                                                                              |
| 5200000493      | 01.01.2014   | -20.792,11                                                                             |
| 5200001576      | 31.01.2016   | 20.726,47                                                                              |
| 5200002067      | 01.02.2016   | -20.726,47                                                                             |
| 5200013187      | 30.11.2003   | 20.566,38                                                                              |
| 5200013210      | 01.12.2003   | -20.566,38                                                                             |
| 2534017         | 30.09.1998   | 20.525,38                                                                              |
| 2534018         | 07.10.1998   | -20.525,38                                                                             |
| 5200012270      | 31.05.2014   | 20.485,80                                                                              |
| 5200012717      | 01.06.2014   | -20.485,80                                                                             |
| 5200028616      | 30.11.2012   | 20.366,00                                                                              |
| 5200028925      | 01.12.2012   | -20.366,00                                                                             |
| 5200025809      | 31.10.2012   | 20.356,96                                                                              |
| 5200026114      | 01.11.2012   | -20.356,96                                                                             |
| 5200022141      | 30.09.2012   | 20.264,00                                                                              |
| 5200022435      | 01.10.2012   | -20.264,00                                                                             |
| 5200014710      | 30.06.2012   | 20.203,58                                                                              |
| 5200015000      | 01.07.2012   | -20.203,58                                                                             |
| 5200032025      | 30.11.2015   | 20.178,96                                                                              |
| 5200032428      | 01.12.2015   | -20.178,96                                                                             |
| 5000002216      | 31.12.2017   | -20.145,21                                                                             |
| 5200009167      | 31.03.2017   | 20.089,64                                                                              |
| 5200009706      | 01.04.2017   | -20.089,64                                                                             |
| 5200000010      | 30.04.2001   | 20.067,42                                                                              |
| 5200000037      | 01.05.2001   | -20.067,42                                                                             |
| 5200009343      | 31.07.2002   | 20.039,44                                                                              |
| 5200009367      | 01.08.2002   | -20.039,44                                                                             |
| 5200001634      | 31.01.2016   | 20.025,95                                                                              |
| 5200005456      | 29.02.2016   | 20.025,95                                                                              |
| 5200008529      | 31.03.2016   | 20.025,95                                                                              |
| 5200010842      | 30.04.2016   | 20.025,95                                                                              |
| 5200002125      | 01.02.2016   | -20.025,95                                                                             |
| 5200005976      | 01.03.2016   | -20.025,95                                                                             |
| 5200009018      | 01.04.2016   | -20.025,95                                                                             |
| 5200011326      | 01.05.2016   | -20.025,95                                                                             |
| 2713396         | 30.09.1995   | 20.022,85                                                                              |
| 2713422         | 05.10.1995   | -20.022,85                                                                             |
| 5000002163      | 31.12.2017   | 20.000,00                                                                              |
| 5200031159      | 31.12.2014   | 19.996,10                                                                              |
| 5200000486      | 01.01.2015   | -19.996,10                                                                             |
| 5200007606      | 30.06.2002   | 19.934,85                                                                              |
| 5200007629      | 01.07.2002   | -19.934,85                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200040181      | 30.11.2017   | 19.911,61                                                                              |
| 5200040731      | 01.12.2017   | -19.911,61                                                                             |
| 5200000027      | 30.04.2001   | 19.908,81                                                                              |
| 5200000054      | 01.05.2001   | -19.908,81                                                                             |
| 5200017535      | 31.07.2012   | 19.904,47                                                                              |
| 5200017821      | 01.08.2012   | -19.904,47                                                                             |
| 5200017696      | 31.05.2017   | 19.901,02                                                                              |
| 5200018257      | 01.06.2017   | -19.901,02                                                                             |
| 5200023649      | 30.09.2014   | 19.853,84                                                                              |
| 5200023974      | 01.10.2014   | -19.853,84                                                                             |
| 5200017554      | 30.06.2015   | 19.845,63                                                                              |
| 5200017907      | 01.07.2015   | -19.845,63                                                                             |
| 5200013021      | 30.04.2013   | 19.838,34                                                                              |
| 5200013372      | 01.05.2013   | -19.838,34                                                                             |
| 5200012910      | 30.04.2013   | 19.754,88                                                                              |
| 5200013261      | 01.05.2013   | -19.754,88                                                                             |
| 2711534         | 31.07.1995   | 19.704,81                                                                              |
| 2711559         | 03.08.1995   | -19.704,81                                                                             |
| 5200026171      | 31.10.2014   | 19.646,23                                                                              |
| 5200026524      | 01.11.2014   | -19.646,23                                                                             |
| 5200042564      | 31.12.2017   | 19.564,12                                                                              |
| 5200001415      | 31.01.2002   | 19.543,20                                                                              |
| 5200001454      | 01.02.2002   | -19.543,20                                                                             |
| 5200020130      | 31.08.2012   | 19.510,83                                                                              |
| 5200020416      | 01.09.2012   | -19.510,83                                                                             |
| 5000001476      | 30.11.2016   | 19.500,00                                                                              |
| 5000002157      | 31.12.2017   | 19.500,00                                                                              |
| 2708006         | 31.03.1995   | 19.493,79                                                                              |
| 2707931         | 07.04.1995   | -19.493,79                                                                             |
| 5200030983      | 31.12.2012   | 19.493,55                                                                              |
| 5200000600      | 01.01.2013   | -19.493,55                                                                             |
| 5200020131      | 31.12.2011   | 19.419,23                                                                              |
| 5200000604      | 01.01.2012   | -19.419,23                                                                             |
| 5200031690      | 30.11.2013   | 19.403,97                                                                              |
| 5200032046      | 01.12.2013   | -19.403,97                                                                             |
| 5000002163      | 31.12.2017   | 19.402,69                                                                              |
| 5000002216      | 31.12.2017   | -19.402,69                                                                             |
| 5200025768      | 31.10.2012   | 19.329,14                                                                              |
| 5200026073      | 01.11.2012   | -19.329,14                                                                             |
| 2713391         | 30.09.1995   | 19.230,58                                                                              |
| 2713417         | 05.10.1995   | -19.230,58                                                                             |
| 2708699         | 30.04.1995   | 19.224,35                                                                              |
| 2708721         | 04.05.1995   | -19.224,35                                                                             |
| 5000002163      | 31.12.2017   | 19.064,12                                                                              |
| 5200001653      | 31.01.2016   | 19.055,00                                                                              |
| 5200002144      | 01.02.2016   | -19.055,00                                                                             |
| 5000002216      | 31.12.2017   | -19.046,40                                                                             |
| 5200011957      | 30.04.2015   | 18.915,44                                                                              |
| 5200012371      | 01.05.2015   | -18.915,44                                                                             |
| 5200020078      | 31.08.2012   | 18.894,71                                                                              |
| 5200020364      | 01.09.2012   | -18.894,71                                                                             |
| 5200002784      | 31.01.2017   | 18.887,59                                                                              |
| 5200003334      | 01.02.2017   | -18.887,59                                                                             |
| 5200014842      | 31.05.2015   | 18.881,35                                                                              |
| 5200015233      | 01.06.2015   | -18.881,35                                                                             |
| 5000002163      | 31.12.2017   | 18.875,16                                                                              |
| 5200007619      | 30.06.2002   | 18.837,39                                                                              |
| 5200007642      | 01.07.2002   | -18.837,39                                                                             |
| 5200023453      | 31.08.2016   | 18.835,16                                                                              |
| 5200023916      | 01.09.2016   | -18.835,16                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200033801      | 31.12.2013   | 18.762,91                                                                              |
| 5200000495      | 01.01.2014   | -18.762,91                                                                             |
| 5000002157      | 31.12.2017   | 18.750,00                                                                              |
| 5200007764      | 31.03.2015   | 18.693,57                                                                              |
| 5200008168      | 01.04.2015   | -18.693,57                                                                             |
| 5200015323      | 30.06.2014   | 18.624,41                                                                              |
| 5200015753      | 01.07.2014   | -18.624,41                                                                             |
| 5200014628      | 30.06.2012   | 18.576,86                                                                              |
| 5200014918      | 01.07.2012   | -18.576,86                                                                             |
| 5200001423      | 31.01.2002   | 18.487,97                                                                              |
| 5200001464      | 01.02.2002   | -18.487,97                                                                             |
| 5000002163      | 31.12.2017   | 18.480,00                                                                              |
| 5200007439      | 28.02.2013   | 18.468,46                                                                              |
| 5200007772      | 01.03.2013   | -18.468,46                                                                             |
| 5200024467      | 31.07.2017   | 18.466,81                                                                              |
| 5200025016      | 01.08.2017   | -18.466,81                                                                             |
| 2714369         | 01.11.1995   | 18.458,10                                                                              |
| 2714347         | 03.11.1995   | -18.458,10                                                                             |
| 5000002163      | 31.12.2017   | 18.454,00                                                                              |
| 5000002216      | 31.12.2017   | -18.454,00                                                                             |
| 2706965         | 28.02.1995   | 18.387,97                                                                              |
| 2706986         | 07.03.1995   | -18.387,97                                                                             |
| 2710558         | 30.06.1995   | 18.347,40                                                                              |
| 2710580         | 05.07.1995   | -18.347,40                                                                             |
| 5200006641      | 31.03.2012   | 18.297,84                                                                              |
| 5200006938      | 01.04.2012   | -18.297,84                                                                             |
| 5200008995      | 30.04.2012   | 18.291,09                                                                              |
| 5200009273      | 01.05.2012   | -18.291,09                                                                             |
| 5200023554      | 30.09.2014   | 18.221,77                                                                              |
| 5200023879      | 01.10.2014   | -18.221,77                                                                             |
| 2760765         | 31.10.1998   | 18.197,31                                                                              |
| 2760772         | 04.11.1998   | -18.197,31                                                                             |
| 5200026315      | 31.10.2014   | 18.195,38                                                                              |
| 5200026668      | 01.11.2014   | -18.195,38                                                                             |
| 5200033818      | 31.12.2015   | 18.191,43                                                                              |
| 5200000532      | 01.01.2016   | -18.191,43                                                                             |
| 5000002163      | 31.12.2017   | 18.144,90                                                                              |
| 5200028876      | 30.11.2014   | 18.091,63                                                                              |
| 5200029240      | 01.12.2014   | -18.091,63                                                                             |
| 5200029115      | 31.10.2013   | 17.824,68                                                                              |
| 5200029457      | 01.11.2013   | -17.824,68                                                                             |
| 5000002163      | 31.12.2017   | 17.776,53                                                                              |
| 5000002216      | 31.12.2017   | -17.776,53                                                                             |
| 5000002163      | 31.12.2017   | 17.770,21                                                                              |
| 5200028208      | 31.08.2017   | 17.763,86                                                                              |
| 5200028770      | 01.09.2017   | -17.763,86                                                                             |
| 5000002163      | 31.12.2017   | 17.702,00                                                                              |
| 2707997         | 31.03.1995   | 17.658,25                                                                              |
| 2707922         | 07.04.1995   | -17.658,25                                                                             |
| 5200001657      | 31.01.2016   | 17.654,81                                                                              |
| 5200002148      | 01.02.2016   | -17.654,81                                                                             |
| 5200017547      | 31.07.2012   | 17.644,84                                                                              |
| 5200017833      | 01.08.2012   | -17.644,84                                                                             |
| 5200003189      | 28.02.2002   | 17.629,44                                                                              |
| 5200003217      | 01.03.2002   | -17.629,44                                                                             |
| 5000002163      | 31.12.2017   | 17.614,52                                                                              |
| 5200025794      | 31.10.2012   | 17.607,54                                                                              |
| 5200028601      | 30.11.2012   | 17.607,54                                                                              |
| 5200030979      | 31.12.2012   | 17.607,54                                                                              |
| 5200026099      | 01.11.2012   | -17.607,54                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200028910      | 01.12.2012   | -17.607,54                                                                             |
| 5200000596      | 01.01.2013   | -17.607,54                                                                             |
| 5200004060      | 29.02.2012   | 17.577,44                                                                              |
| 5200004332      | 01.03.2012   | -17.577,44                                                                             |
| 5200013780      | 30.04.2017   | 17.564,26                                                                              |
| 5200014337      | 01.05.2017   | -17.564,26                                                                             |
| 5200001414      | 31.01.2002   | 17.481,01                                                                              |
| 5200001449      | 01.02.2002   | -17.481,01                                                                             |
| 2708695         | 30.04.1995   | 17.442,82                                                                              |
| 2708717         | 04.05.1995   | -17.442,82                                                                             |
| 5200025830      | 31.10.2012   | 17.412,04                                                                              |
| 5200026135      | 01.11.2012   | -17.412,04                                                                             |
| 5200028877      | 30.11.2014   | 17.409,16                                                                              |
| 5200029241      | 01.12.2014   | -17.409,16                                                                             |
| 5200009577      | 30.04.2014   | 17.391,79                                                                              |
| 5200009999      | 01.05.2014   | -17.391,79                                                                             |
| 5000002216      | 31.12.2017   | -17.141,76                                                                             |
| 5200015238      | 30.06.2014   | 17.061,20                                                                              |
| 5200015668      | 01.07.2014   | -17.061,20                                                                             |
| 5200032606      | 30.11.2016   | 17.023,99                                                                              |
| 5200033073      | 01.12.2016   | -17.023,99                                                                             |
| 5200009604      | 30.04.2014   | 16.990,21                                                                              |
| 5200012299      | 31.05.2014   | 16.990,21                                                                              |
| 5200010026      | 01.05.2014   | -16.990,21                                                                             |
| 5200012746      | 01.06.2014   | -16.990,21                                                                             |
| 5200007800      | 31.07.2003   | 16.973,11                                                                              |
| 5200007828      | 01.08.2003   | -16.973,11                                                                             |
| 5200011770      | 31.10.2003   | 16.951,34                                                                              |
| 5200011794      | 01.11.2003   | -16.951,34                                                                             |
| 5000002163      | 31.12.2017   | 16.940,00                                                                              |
| 5200007801      | 31.03.2015   | 16.866,69                                                                              |
| 5200008205      | 01.04.2015   | -16.866,69                                                                             |
| 5200020234      | 31.07.2015   | 16.730,72                                                                              |
| 5200020602      | 01.08.2015   | -16.730,72                                                                             |
| 5200004092      | 29.02.2012   | 16.596,60                                                                              |
| 5200004364      | 01.03.2012   | -16.596,60                                                                             |
| 5200015208      | 30.06.2014   | 16.534,65                                                                              |
| 5200015638      | 01.07.2014   | -16.534,65                                                                             |
| 5200007815      | 31.07.2003   | 16.439,09                                                                              |
| 5200007843      | 01.08.2003   | -16.439,09                                                                             |
| 5200031901      | 30.09.2017   | 16.424,67                                                                              |
| 5200032459      | 01.10.2017   | -16.424,67                                                                             |
| 5200034573      | 31.12.2016   | 16.399,11                                                                              |
| 5200000669      | 01.01.2017   | -16.399,11                                                                             |
| 5200020947      | 31.08.2014   | 16.361,99                                                                              |
| 5200021380      | 01.09.2014   | -16.361,99                                                                             |
| 5200030999      | 31.12.2012   | 16.337,29                                                                              |
| 5200000616      | 01.01.2013   | -16.337,29                                                                             |
| 5200007765      | 31.03.2015   | 16.325,76                                                                              |
| 5200008169      | 01.04.2015   | -16.325,76                                                                             |
| 5200023593      | 30.09.2014   | 16.295,61                                                                              |
| 5200023918      | 01.10.2014   | -16.295,61                                                                             |
| 5200022150      | 30.09.2012   | 16.274,64                                                                              |
| 5200022444      | 01.10.2012   | -16.274,64                                                                             |
| 5200033877      | 31.12.2013   | 16.246,96                                                                              |
| 5200000571      | 01.01.2014   | -16.246,96                                                                             |
| 5200029624      | 31.10.2016   | 16.209,23                                                                              |
| 5200030075      | 01.11.2016   | -16.209,23                                                                             |
| 5200011985      | 31.05.2012   | 16.194,04                                                                              |
| 5200012259      | 01.06.2012   | -16.194,04                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200011805      | 30.04.2015   | 16.130,70                                                                              |
| 5200012219      | 01.05.2015   | -16.130,70                                                                             |
| 5200018164      | 31.07.2014   | 16.120,40                                                                              |
| 5200018587      | 01.08.2014   | -16.120,40                                                                             |
| 5000002163      | 31.12.2017   | 16.066,51                                                                              |
| 5200017557      | 30.06.2015   | 16.038,76                                                                              |
| 5200017910      | 01.07.2015   | -16.038,76                                                                             |
| 5000002163      | 31.12.2017   | 15.930,00                                                                              |
| 5000002216      | 31.12.2017   | -15.930,00                                                                             |
| 5200022099      | 30.09.2012   | 15.896,71                                                                              |
| 5200022393      | 01.10.2012   | -15.896,71                                                                             |
| 5200004161      | 28.02.2014   | 15.841,30                                                                              |
| 5200004562      | 01.03.2014   | -15.841,30                                                                             |
| 5200022156      | 30.09.2012   | 15.838,21                                                                              |
| 5200022450      | 01.10.2012   | -15.838,21                                                                             |
| 5200014851      | 31.05.2015   | 15.815,52                                                                              |
| 5200015242      | 01.06.2015   | -15.815,52                                                                             |
| 5000002163      | 31.12.2017   | 15.463,31                                                                              |
| 5000002163      | 31.12.2017   | 15.400,00                                                                              |
| 5200010862      | 30.04.2016   | 15.397,86                                                                              |
| 5200011346      | 01.05.2016   | -15.397,86                                                                             |
| 5200006113      | 30.09.2001   | 15.305,87                                                                              |
| 5200006140      | 01.10.2001   | -15.305,87                                                                             |
| 5200010268      | 31.03.2013   | 15.302,07                                                                              |
| 5200010611      | 01.04.2013   | -15.302,07                                                                             |
| 5200007804      | 31.07.2003   | 15.281,40                                                                              |
| 5200007832      | 01.08.2003   | -15.281,40                                                                             |
| 5200001437      | 31.01.2014   | 15.251,51                                                                              |
| 5200001809      | 01.02.2014   | -15.251,51                                                                             |
| 5000002163      | 31.12.2017   | 15.234,91                                                                              |
| 5200031016      | 31.12.2012   | 15.175,31                                                                              |
| 5200000633      | 01.01.2013   | -15.175,31                                                                             |
| 5200004258      | 31.07.2001   | 15.161,24                                                                              |
| 5200004285      | 01.08.2001   | -15.161,24                                                                             |
| 5000002216      | 31.12.2017   | -15.148,36                                                                             |
| 5200031572      | 30.11.2013   | 15.137,49                                                                              |
| 5200031928      | 01.12.2013   | -15.137,49                                                                             |
| 5000002163      | 31.12.2017   | 15.044,00                                                                              |
| 5200004502      | 31.03.2002   | 14.917,88                                                                              |
| 5200004523      | 01.04.2002   | -14.917,88                                                                             |
| 5200022956      | 31.08.2015   | 14.867,45                                                                              |
| 5200023336      | 01.09.2015   | -14.867,45                                                                             |
| 5200014849      | 31.05.2015   | 14.864,33                                                                              |
| 5200015240      | 01.06.2015   | -14.864,33                                                                             |
| 5200031085      | 31.12.2012   | 14.698,20                                                                              |
| 5200000702      | 01.01.2013   | -14.698,20                                                                             |
| 5200010276      | 30.09.2003   | 14.695,78                                                                              |
| 5200010302      | 01.10.2003   | -14.695,78                                                                             |
| 5200032033      | 30.11.2015   | 14.674,87                                                                              |
| 5200032436      | 01.12.2015   | -14.674,87                                                                             |
| 5200028280      | 31.08.2017   | 14.664,34                                                                              |
| 5200028842      | 01.09.2017   | -14.664,34                                                                             |
| 2708705         | 30.04.1995   | 14.649,37                                                                              |
| 2708727         | 04.05.1995   | -14.649,37                                                                             |
| 5200001341      | 31.01.2014   | 14.470,77                                                                              |
| 5200001713      | 01.02.2014   | -14.470,77                                                                             |
| 5000002163      | 31.12.2017   | 14.449,05                                                                              |
| 5200035576      | 31.10.2017   | 14.385,06                                                                              |
| 5200036132      | 01.11.2017   | -14.385,06                                                                             |
| 5200017802      | 31.05.2017   | 14.311,21                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200018363      | 01.06.2017   | -14.311,21                                                                             |
| 5200017491      | 31.07.2012   | 14.310,41                                                                              |
| 5200017777      | 01.08.2012   | -14.310,41                                                                             |
| 5200032631      | 30.11.2016   | 14.276,09                                                                              |
| 5200034577      | 31.12.2016   | 14.276,09                                                                              |
| 5200002788      | 31.01.2017   | 14.276,09                                                                              |
| 5200006035      | 28.02.2017   | 14.276,09                                                                              |
| 5200009200      | 31.03.2017   | 14.276,09                                                                              |
| 5200013748      | 30.04.2017   | 14.276,09                                                                              |
| 5200017767      | 31.05.2017   | 14.276,09                                                                              |
| 5200021480      | 30.06.2017   | 14.276,09                                                                              |
| 5200024502      | 31.07.2017   | 14.276,09                                                                              |
| 5200028244      | 31.08.2017   | 14.276,09                                                                              |
| 5200031934      | 30.09.2017   | 14.276,09                                                                              |
| 5200035611      | 31.10.2017   | 14.276,09                                                                              |
| 5200040217      | 30.11.2017   | 14.276,09                                                                              |
| 5200042530      | 31.12.2017   | 14.276,09                                                                              |
| 5200033098      | 01.12.2016   | -14.276,09                                                                             |
| 5200000673      | 01.01.2017   | -14.276,09                                                                             |
| 5200003338      | 01.02.2017   | -14.276,09                                                                             |
| 5200006578      | 01.03.2017   | -14.276,09                                                                             |
| 5200009739      | 01.04.2017   | -14.276,09                                                                             |
| 5200014305      | 01.05.2017   | -14.276,09                                                                             |
| 5200018328      | 01.06.2017   | -14.276,09                                                                             |
| 5200022038      | 01.07.2017   | -14.276,09                                                                             |
| 5200025051      | 01.08.2017   | -14.276,09                                                                             |
| 5200028806      | 01.09.2017   | -14.276,09                                                                             |
| 5200032492      | 01.10.2017   | -14.276,09                                                                             |
| 5200036167      | 01.11.2017   | -14.276,09                                                                             |
| 5200040767      | 01.12.2017   | -14.276,09                                                                             |
| 2713405         | 30.09.1995   | 14.247,28                                                                              |
| 2713431         | 05.10.1995   | -14.247,28                                                                             |
| 5200002255      | 31.01.2012   | 14.209,13                                                                              |
| 5200002498      | 01.02.2012   | -14.209,13                                                                             |
| 5200006813      | 31.03.2014   | 14.203,82                                                                              |
| 5200007219      | 01.04.2014   | -14.203,82                                                                             |
| 5200002194      | 31.01.2012   | 14.175,00                                                                              |
| 5200004032      | 29.02.2012   | 14.175,00                                                                              |
| 5200002437      | 01.02.2012   | -14.175,00                                                                             |
| 5200004304      | 01.03.2012   | -14.175,00                                                                             |
| 5200002500      | 28.02.2003   | 14.147,25                                                                              |
| 5200002527      | 01.03.2003   | -14.147,25                                                                             |
| 5200042496      | 31.12.2017   | 14.130,58                                                                              |
| 2708008         | 31.03.1995   | 14.129,43                                                                              |
| 2707933         | 07.04.1995   | -14.129,43                                                                             |
| 2711532         | 31.07.1995   | 14.108,74                                                                              |
| 2711557         | 03.08.1995   | -14.108,74                                                                             |
| 5200002249      | 31.01.2015   | 14.033,07                                                                              |
| 5200002673      | 01.02.2015   | -14.033,07                                                                             |
| 5200004245      | 31.07.2001   | 13.954,99                                                                              |
| 5200004272      | 01.08.2001   | -13.954,99                                                                             |
| 5200012427      | 31.05.2014   | 13.947,69                                                                              |
| 5200012874      | 01.06.2014   | -13.947,69                                                                             |
| 5200025833      | 31.10.2012   | 13.933,90                                                                              |
| 5200026138      | 01.11.2012   | -13.933,90                                                                             |
| 5200006067      | 28.02.2017   | 13.922,07                                                                              |
| 5200006610      | 01.03.2017   | -13.922,07                                                                             |
| 5000002163      | 31.12.2017   | 13.919,00                                                                              |
| 5000002216      | 31.12.2017   | -13.919,00                                                                             |
| 5200020292      | 31.07.2015   | 13.917,96                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200020660      | 01.08.2015   | -13.917,96                                                                             |
| 5000002163      | 31.12.2017   | 13.860,00                                                                              |
| 5000002216      | 31.12.2017   | -13.860,00                                                                             |
| 5200008929      | 30.04.2012   | 13.839,71                                                                              |
| 5200009207      | 01.05.2012   | -13.839,71                                                                             |
| 5200017459      | 31.07.2012   | 13.827,38                                                                              |
| 5200017745      | 01.08.2012   | -13.827,38                                                                             |
| 5000002163      | 31.12.2017   | 13.798,40                                                                              |
| 5200023052      | 31.08.2015   | 13.785,96                                                                              |
| 5200023432      | 01.09.2015   | -13.785,96                                                                             |
| 2769783         | 31.05.1999   | 13.700,45                                                                              |
| 2769790         | 07.06.1999   | -13.700,45                                                                             |
| 5200024529      | 31.07.2017   | 13.683,86                                                                              |
| 5200025078      | 01.08.2017   | -13.683,86                                                                             |
| 5200033896      | 31.12.2013   | 13.681,79                                                                              |
| 5200000590      | 01.01.2014   | -13.681,79                                                                             |
| 5200002879      | 31.01.2017   | 13.673,05                                                                              |
| 5200003429      | 01.02.2017   | -13.673,05                                                                             |
| 2711544         | 31.07.1995   | 13.556,83                                                                              |
| 2711569         | 03.08.1995   | -13.556,83                                                                             |
| 5000002163      | 31.12.2017   | 13.500,00                                                                              |
| 5200020085      | 31.12.2011   | 13.476,72                                                                              |
| 5200000558      | 01.01.2012   | -13.476,72                                                                             |
| 2714382         | 01.11.1995   | 13.475,91                                                                              |
| 2714360         | 03.11.1995   | -13.475,91                                                                             |
| 5200000016      | 30.04.2001   | 13.298,90                                                                              |
| 5200000043      | 01.05.2001   | -13.298,90                                                                             |
| 5200021510      | 30.06.2017   | 13.273,17                                                                              |
| 5200022068      | 01.07.2017   | -13.273,17                                                                             |
| 5200033858      | 31.12.2013   | 13.148,12                                                                              |
| 5200000552      | 01.01.2014   | -13.148,12                                                                             |
| 5200013766      | 31.10.2001   | 12.986,69                                                                              |
| 5200013804      | 01.11.2001   | -12.986,69                                                                             |
| 5200033857      | 31.12.2015   | 12.937,20                                                                              |
| 5200000571      | 01.01.2016   | -12.937,20                                                                             |
| 5200014654      | 30.06.2012   | 12.935,71                                                                              |
| 5200014944      | 01.07.2012   | -12.935,71                                                                             |
| 5200005647      | 31.08.2001   | 12.906,67                                                                              |
| 5200005673      | 01.09.2001   | -12.906,67                                                                             |
| 5200029092      | 31.10.2015   | 12.850,43                                                                              |
| 5200029500      | 01.11.2015   | -12.850,43                                                                             |
| 5200008441      | 31.03.2016   | 12.838,93                                                                              |
| 5200008930      | 01.04.2016   | -12.838,93                                                                             |
| 5200014694      | 30.06.2012   | 12.837,86                                                                              |
| 5200014984      | 01.07.2012   | -12.837,86                                                                             |
| 5200008965      | 30.04.2012   | 12.830,58                                                                              |
| 5200009243      | 01.05.2012   | -12.830,58                                                                             |
| 5200014722      | 30.06.2012   | 12.780,56                                                                              |
| 5200015012      | 01.07.2012   | -12.780,56                                                                             |
| 5200017435      | 31.07.2012   | 12.755,96                                                                              |
| 5200017721      | 01.08.2012   | -12.755,96                                                                             |
| 5000002163      | 31.12.2017   | 12.747,50                                                                              |
| 5200004127      | 29.02.2012   | 12.703,05                                                                              |
| 5200004399      | 01.03.2012   | -12.703,05                                                                             |
| 5200040245      | 30.11.2017   | 12.694,35                                                                              |
| 5200040795      | 01.12.2017   | -12.694,35                                                                             |
| 2843573         | 02.09.1996   | -12.662,83                                                                             |
| 5200034546      | 31.12.2016   | 12.622,35                                                                              |
| 5200000642      | 01.01.2017   | -12.622,35                                                                             |
| 5200026223      | 31.10.2014   | 12.618,95                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200026576      | 01.11.2014   | -12.618,95                                                                             |
| 5200023611      | 30.09.2014   | 12.613,45                                                                              |
| 5200023936      | 01.10.2014   | -12.613,45                                                                             |
| 5200000622      | 01.01.2015   | -12.566,54                                                                             |
| 5200031963      | 30.09.2017   | 12.556,59                                                                              |
| 5200032521      | 01.10.2017   | -12.556,59                                                                             |
| 5200042557      | 31.12.2017   | 12.538,81                                                                              |
| 5200001457      | 31.01.2014   | 12.527,48                                                                              |
| 5200004183      | 28.02.2014   | 12.527,48                                                                              |
| 5200006953      | 31.03.2014   | 12.527,48                                                                              |
| 5200009720      | 30.04.2014   | 12.527,48                                                                              |
| 5200001829      | 01.02.2014   | -12.527,48                                                                             |
| 5200004584      | 01.03.2014   | -12.527,48                                                                             |
| 5200007359      | 01.04.2014   | -12.527,48                                                                             |
| 5200010142      | 01.05.2014   | -12.527,48                                                                             |
| 5200026251      | 30.09.2015   | 12.500,07                                                                              |
| 5200026666      | 01.10.2015   | -12.500,07                                                                             |
| 5200008933      | 30.04.2012   | 12.490,28                                                                              |
| 5200009211      | 01.05.2012   | -12.490,28                                                                             |
| 5200012403      | 31.05.2014   | 12.468,45                                                                              |
| 5200015355      | 30.06.2014   | 12.468,45                                                                              |
| 5200018294      | 31.07.2014   | 12.468,45                                                                              |
| 5200021013      | 31.08.2014   | 12.468,45                                                                              |
| 5200012850      | 01.06.2014   | -12.468,45                                                                             |
| 5200015785      | 01.07.2014   | -12.468,45                                                                             |
| 5200018717      | 01.08.2014   | -12.468,45                                                                             |
| 5200021446      | 01.09.2014   | -12.468,45                                                                             |
| 5200035638      | 31.10.2017   | 12.467,51                                                                              |
| 5200036194      | 01.11.2017   | -12.467,51                                                                             |
| 5200028273      | 31.08.2017   | 12.465,37                                                                              |
| 5200028835      | 01.09.2017   | -12.465,37                                                                             |
| 5200029129      | 31.10.2015   | 12.458,50                                                                              |
| 5200029537      | 01.11.2015   | -12.458,50                                                                             |
| 5200017796      | 31.05.2017   | 12.423,11                                                                              |
| 5200018357      | 01.06.2017   | -12.423,11                                                                             |
| 5200028936      | 30.11.2014   | 12.408,46                                                                              |
| 5200029300      | 01.12.2014   | -12.408,46                                                                             |
| 5000002163      | 31.12.2017   | 12.406,24                                                                              |
| 5200020173      | 31.07.2015   | 12.399,20                                                                              |
| 5200020541      | 01.08.2015   | -12.399,20                                                                             |
| 5000002163      | 31.12.2017   | 12.342,48                                                                              |
| 5000002216      | 31.12.2017   | -12.342,48                                                                             |
| 5200014458      | 31.05.2016   | 12.302,44                                                                              |
| 5200014933      | 01.06.2016   | -12.302,44                                                                             |
| 5200014673      | 30.06.2012   | 12.241,01                                                                              |
| 5200014963      | 01.07.2012   | -12.241,01                                                                             |
| 5200017498      | 30.06.2015   | 12.221,62                                                                              |
| 5200020194      | 31.07.2015   | 12.221,62                                                                              |
| 5200017851      | 01.07.2015   | -12.221,62                                                                             |
| 5200020562      | 01.08.2015   | -12.221,62                                                                             |
| 5200004047      | 28.02.2014   | 12.189,48                                                                              |
| 5200004448      | 01.03.2014   | -12.189,48                                                                             |
| 5200011735      | 30.09.2002   | 12.182,94                                                                              |
| 5200012955      | 31.10.2002   | 12.182,94                                                                              |
| 5200011758      | 01.10.2002   | -12.182,94                                                                             |
| 5200012977      | 01.11.2002   | -12.182,94                                                                             |
| 5200008934      | 30.04.2012   | 12.160,38                                                                              |
| 5200009212      | 01.05.2012   | -12.160,38                                                                             |
| 5200023394      | 31.08.2016   | 12.159,87                                                                              |
| 5200023857      | 01.09.2016   | -12.159,87                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.



**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200031059      | 31.12.2012   | 12.117,21                                                                              |
| 5200000676      | 01.01.2013   | -12.117,21                                                                             |
| 5200014115      | 30.11.2002   | 12.064,84                                                                              |
| 5200014715      | 31.12.2002   | 12.064,84                                                                              |
| 5200001407      | 31.01.2003   | 12.064,84                                                                              |
| 5200002507      | 28.02.2003   | 12.064,84                                                                              |
| 5200014138      | 01.12.2002   | -12.064,84                                                                             |
| 5200000491      | 01.01.2003   | -12.064,84                                                                             |
| 5200001434      | 01.02.2003   | -12.064,84                                                                             |
| 5200002534      | 01.03.2003   | -12.064,84                                                                             |
| 5000002163      | 31.12.2017   | 12.049,58                                                                              |
| 5200017462      | 30.06.2015   | 12.048,87                                                                              |
| 5200017815      | 01.07.2015   | -12.048,87                                                                             |
| 5200002215      | 31.01.2012   | 12.036,32                                                                              |
| 5200002458      | 01.02.2012   | -12.036,32                                                                             |
| 5200026282      | 31.10.2014   | 12.012,79                                                                              |
| 5200026635      | 01.11.2014   | -12.012,79                                                                             |
| 5200009593      | 30.04.2014   | 12.008,40                                                                              |
| 5200010015      | 01.05.2014   | -12.008,40                                                                             |
| 5000002216      | 31.12.2017   | -12.007,82                                                                             |
| 5000001810      | 30.11.2017   | 12.000,00                                                                              |
| 5200007813      | 31.07.2003   | 11.967,42                                                                              |
| 5200007841      | 01.08.2003   | -11.967,42                                                                             |
| 5200026257      | 30.09.2015   | 11.952,76                                                                              |
| 5200026672      | 01.10.2015   | -11.952,76                                                                             |
| 5000002163      | 31.12.2017   | 11.935,00                                                                              |
| 5200010758      | 30.04.2016   | 11.934,68                                                                              |
| 5200014433      | 31.05.2016   | 11.934,68                                                                              |
| 5200011242      | 01.05.2016   | -11.934,68                                                                             |
| 5200014908      | 01.06.2016   | -11.934,68                                                                             |
| 5000002163      | 31.12.2017   | 11.921,00                                                                              |
| 5000002216      | 31.12.2017   | -11.921,00                                                                             |
| 5200026315      | 30.09.2015   | 11.897,51                                                                              |
| 5200026730      | 01.10.2015   | -11.897,51                                                                             |
| 5000002163      | 31.12.2017   | 11.829,97                                                                              |
| 5200002233      | 31.01.2012   | 11.821,65                                                                              |
| 5200002476      | 01.02.2012   | -11.821,65                                                                             |
| 5200004068      | 29.02.2012   | 11.821,41                                                                              |
| 5200004340      | 01.03.2012   | -11.821,41                                                                             |
| 5200014684      | 30.06.2012   | 11.814,16                                                                              |
| 5200014974      | 01.07.2012   | -11.814,16                                                                             |
| 5200009660      | 30.04.2014   | 11.807,77                                                                              |
| 5200010082      | 01.05.2014   | -11.807,77                                                                             |
| 5200017583      | 30.06.2015   | 11.802,41                                                                              |
| 5200017936      | 01.07.2015   | -11.802,41                                                                             |
| 5200020233      | 31.07.2015   | 11.766,50                                                                              |
| 5200020601      | 01.08.2015   | -11.766,50                                                                             |
| 2709657         | 31.05.1995   | 11.759,11                                                                              |
| 2709679         | 06.06.1995   | -11.759,11                                                                             |
| 5200033808      | 31.12.2015   | 11.742,98                                                                              |
| 5200000522      | 01.01.2016   | -11.742,98                                                                             |
| 5200007397      | 28.02.2013   | 11.707,69                                                                              |
| 5200007730      | 01.03.2013   | -11.707,69                                                                             |
| 5200003057      | 31.01.2013   | 11.692,18                                                                              |
| 5200003399      | 01.02.2013   | -11.692,18                                                                             |
| 5200005336      | 29.02.2016   | 11.668,87                                                                              |
| 5200005856      | 01.03.2016   | -11.668,87                                                                             |
| 5200031208      | 31.12.2014   | 11.661,59                                                                              |
| 5200000535      | 01.01.2015   | -11.661,59                                                                             |
| 5000002163      | 31.12.2017   | 11.642,40                                                                              |

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|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200033868      | 31.12.2015   | 11.610,00                                                                              |
| 5200000582      | 01.01.2016   | -11.610,00                                                                             |
| 5200026279      | 31.10.2014   | 11.602,50                                                                              |
| 5200026632      | 01.11.2014   | -11.602,50                                                                             |
| 5000002163      | 31.12.2017   | 11.599,59                                                                              |
| 5000002216      | 31.12.2017   | -11.599,59                                                                             |
| 5000002163      | 31.12.2017   | 11.598,51                                                                              |
| 5200008535      | 31.03.2016   | 11.595,66                                                                              |
| 5200009024      | 01.04.2016   | -11.595,66                                                                             |
| 5200032024      | 30.11.2015   | 11.594,10                                                                              |
| 5200032427      | 01.12.2015   | -11.594,10                                                                             |
| 5200022921      | 31.08.2015   | 11.591,51                                                                              |
| 5200023301      | 01.09.2015   | -11.591,51                                                                             |
| 5200026215      | 31.10.2014   | 11.572,58                                                                              |
| 5200028868      | 30.11.2014   | 11.572,58                                                                              |
| 5200026568      | 01.11.2014   | -11.572,58                                                                             |
| 5200029232      | 01.12.2014   | -11.572,58                                                                             |
| 5000002163      | 31.12.2017   | 11.550,00                                                                              |
| 5000002163      | 31.12.2017   | 11.550,00                                                                              |
| 5200020179      | 31.08.2012   | 11.543,73                                                                              |
| 5200020465      | 01.09.2012   | -11.543,73                                                                             |
| 5200004067      | 29.02.2012   | 11.532,05                                                                              |
| 5200004339      | 01.03.2012   | -11.532,05                                                                             |
| 5200008521      | 31.03.2016   | 11.525,19                                                                              |
| 5200009010      | 01.04.2016   | -11.525,19                                                                             |
| 5200022976      | 31.08.2015   | 11.501,80                                                                              |
| 5200023356      | 01.09.2015   | -11.501,80                                                                             |
| 5200040200      | 30.11.2017   | 11.472,71                                                                              |
| 5200040750      | 01.12.2017   | -11.472,71                                                                             |
| 5200026216      | 31.10.2014   | 11.457,92                                                                              |
| 5200026569      | 01.11.2014   | -11.457,92                                                                             |
| 5200004533      | 28.02.2015   | 11.452,68                                                                              |
| 5200004964      | 01.03.2015   | -11.452,68                                                                             |
| 5200002505      | 28.02.2003   | 11.425,90                                                                              |
| 5200002532      | 01.03.2003   | -11.425,90                                                                             |
| 5200031199      | 31.12.2014   | 11.383,59                                                                              |
| 5200000526      | 01.01.2015   | -11.383,59                                                                             |
| 5200033901      | 31.12.2015   | 11.377,17                                                                              |
| 5200000615      | 01.01.2016   | -11.377,17                                                                             |
| 5200009578      | 30.04.2014   | 11.353,41                                                                              |
| 5200010000      | 01.05.2014   | -11.353,41                                                                             |
| 5200009007      | 30.04.2012   | 11.339,11                                                                              |
| 5200009285      | 01.05.2012   | -11.339,11                                                                             |
| 5200010782      | 30.04.2016   | 11.327,82                                                                              |
| 5200011266      | 01.05.2016   | -11.327,82                                                                             |
| 2706969         | 28.02.1995   | 11.315,28                                                                              |
| 2708002         | 31.03.1995   | 11.315,28                                                                              |
| 2706990         | 07.03.1995   | -11.315,28                                                                             |
| 2707927         | 07.04.1995   | -11.315,28                                                                             |
| 5200023423      | 31.08.2016   | 11.310,51                                                                              |
| 5200023886      | 01.09.2016   | -11.310,51                                                                             |
| 5000001476      | 30.11.2016   | 11.310,00                                                                              |
| 5200007374      | 28.02.2013   | 11.277,24                                                                              |
| 5200007707      | 01.03.2013   | -11.277,24                                                                             |
| 5200002247      | 31.01.2012   | 11.274,87                                                                              |
| 5200002490      | 01.02.2012   | -11.274,87                                                                             |
| 5000002157      | 31.12.2017   | 11.250,00                                                                              |
| 5200031261      | 31.12.2014   | 11.219,49                                                                              |
| 5200000588      | 01.01.2015   | -11.219,49                                                                             |
| 5200026569      | 30.09.2016   | 11.219,47                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

**Annex 33.4.b**  
Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200027025      | 01.10.2016   | -11.219,47                                                                             |
| 5000002163      | 31.12.2017   | 11.193,64                                                                              |
| 5200006816      | 31.03.2014   | 11.186,38                                                                              |
| 5200007222      | 01.04.2014   | -11.186,38                                                                             |
| 5200022997      | 31.08.2015   | 11.181,00                                                                              |
| 5200023377      | 01.09.2015   | -11.181,00                                                                             |
| 5200033876      | 31.12.2015   | 11.150,75                                                                              |
| 5200000590      | 01.01.2016   | -11.150,75                                                                             |
| 5000002163      | 31.12.2017   | 11.149,60                                                                              |
| 5000002216      | 31.12.2017   | -11.149,60                                                                             |
| 5200012003      | 30.04.2015   | 11.140,65                                                                              |
| 5200012417      | 01.05.2015   | -11.140,65                                                                             |
| 5200042456      | 31.12.2017   | 11.135,61                                                                              |
| 5200002820      | 31.01.2017   | 11.123,89                                                                              |
| 5200003370      | 01.02.2017   | -11.123,89                                                                             |
| 5200012274      | 31.05.2014   | 11.123,10                                                                              |
| 5200012721      | 01.06.2014   | -11.123,10                                                                             |
| 5200032627      | 30.11.2016   | 11.117,31                                                                              |
| 5200033094      | 01.12.2016   | -11.117,31                                                                             |
| 2709649         | 31.05.1995   | 11.100,21                                                                              |
| 2709671         | 06.06.1995   | -11.100,21                                                                             |
| 5200020209      | 31.07.2015   | 11.098,35                                                                              |
| 5200020577      | 01.08.2015   | -11.098,35                                                                             |
| 5200008568      | 31.03.2016   | 11.081,07                                                                              |
| 5200009057      | 01.04.2016   | -11.081,07                                                                             |
| 5200010223      | 31.03.2013   | 11.077,24                                                                              |
| 5200015492      | 31.05.2013   | 11.077,24                                                                              |
| 5200018224      | 30.06.2013   | 11.077,24                                                                              |
| 5200010566      | 01.04.2013   | -11.077,24                                                                             |
| 5200015852      | 01.06.2013   | -11.077,24                                                                             |
| 5200018624      | 01.07.2013   | -11.077,24                                                                             |
| 5200031644      | 30.11.2013   | 11.051,67                                                                              |
| 5200032000      | 01.12.2013   | -11.051,67                                                                             |
| 5200001668      | 31.01.2016   | 11.042,77                                                                              |
| 5200002159      | 01.02.2016   | -11.042,77                                                                             |
| 5200010879      | 30.04.2016   | 11.033,72                                                                              |
| 5200011363      | 01.05.2016   | -11.033,72                                                                             |
| 5200029617      | 31.10.2016   | 11.030,32                                                                              |
| 5200030068      | 01.11.2016   | -11.030,32                                                                             |
| 2705203         | 31.12.1994   | 11.019,91                                                                              |
| 2705223         | 02.01.1995   | -11.019,91                                                                             |
| 5200033802      | 31.12.2013   | 11.005,92                                                                              |
| 5200000496      | 01.01.2014   | -11.005,92                                                                             |
| 5200005496      | 29.02.2016   | 10.982,50                                                                              |
| 5200006016      | 01.03.2016   | -10.982,50                                                                             |
| 5200020885      | 31.08.2014   | 10.980,24                                                                              |
| 5200021318      | 01.09.2014   | -10.980,24                                                                             |
| 5200011998      | 31.05.2012   | 10.960,30                                                                              |
| 5200012272      | 01.06.2012   | -10.960,30                                                                             |
| 5200032061      | 30.11.2015   | 10.960,28                                                                              |
| 5200032464      | 01.12.2015   | -10.960,28                                                                             |
| 5000002163      | 31.12.2017   | 10.952,48                                                                              |
| 2705999         | 31.01.1995   | 10.941,87                                                                              |
| 2706013         | 07.02.1995   | -10.941,87                                                                             |
| 5200021097      | 31.07.2013   | 10.908,19                                                                              |
| 5200023707      | 31.08.2013   | 10.908,19                                                                              |
| 5200026430      | 30.09.2013   | 10.908,19                                                                              |
| 5200021454      | 01.08.2013   | -10.908,19                                                                             |
| 5200024060      | 01.09.2013   | -10.908,19                                                                             |
| 5200026799      | 01.10.2013   | -10.908,19                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200010269      | 30.09.2003   | 10.904,27                                                                              |
| 5200010295      | 01.10.2003   | -10.904,27                                                                             |
| 5200014510      | 31.05.2016   | 10.883,30                                                                              |
| 5200014985      | 01.06.2016   | -10.883,30                                                                             |
| 5200028884      | 30.11.2014   | 10.876,30                                                                              |
| 5200029248      | 01.12.2014   | -10.876,30                                                                             |
| 5200021159      | 31.07.2013   | 10.850,16                                                                              |
| 5200023769      | 31.08.2013   | 10.850,16                                                                              |
| 5200026485      | 30.09.2013   | 10.850,16                                                                              |
| 5200021516      | 01.08.2013   | -10.850,16                                                                             |
| 5200024122      | 01.09.2013   | -10.850,16                                                                             |
| 5200026854      | 01.10.2013   | -10.850,16                                                                             |
| 5200012004      | 31.05.2012   | 10.847,34                                                                              |
| 5200012278      | 01.06.2012   | -10.847,34                                                                             |
| 5000002163      | 31.12.2017   | 10.837,00                                                                              |
| 5200010772      | 30.04.2016   | 10.813,83                                                                              |
| 5200011256      | 01.05.2016   | -10.813,83                                                                             |
| 5200023563      | 30.09.2014   | 10.786,11                                                                              |
| 5200023888      | 01.10.2014   | -10.786,11                                                                             |
| 5200014541      | 31.05.2016   | 10.785,37                                                                              |
| 5200015016      | 01.06.2016   | -10.785,37                                                                             |
| 5200012350      | 31.05.2014   | 10.753,11                                                                              |
| 5200012797      | 01.06.2014   | -10.753,11                                                                             |
| 5200032599      | 30.11.2016   | 10.745,02                                                                              |
| 5200033066      | 01.12.2016   | -10.745,02                                                                             |
| 5200031961      | 30.11.2015   | 10.711,56                                                                              |
| 5200032364      | 01.12.2015   | -10.711,56                                                                             |
| 5200004128      | 28.02.2014   | 10.707,97                                                                              |
| 5200004529      | 01.03.2014   | -10.707,97                                                                             |
| 5200016697      | 30.06.2016   | 10.695,99                                                                              |
| 5200017158      | 01.07.2016   | -10.695,99                                                                             |
| 5200008905      | 30.04.2012   | 10.694,34                                                                              |
| 5200009183      | 01.05.2012   | -10.694,34                                                                             |
| 5200013184      | 30.11.2003   | 10.690,32                                                                              |
| 5200013207      | 01.12.2003   | -10.690,32                                                                             |
| 5200020140      | 31.12.2011   | 10.683,58                                                                              |
| 5200000613      | 01.01.2012   | -10.683,58                                                                             |
| 5200031661      | 30.11.2013   | 10.646,88                                                                              |
| 5200032017      | 01.12.2013   | -10.646,88                                                                             |
| 5200006060      | 28.02.2017   | 10.645,79                                                                              |
| 5200006603      | 01.03.2017   | -10.645,79                                                                             |
| 5200015515      | 31.05.2013   | 10.643,71                                                                              |
| 5200015875      | 01.06.2013   | -10.643,71                                                                             |
| 2771249         | 30.06.1999   | 10.616,00                                                                              |
| 2771256         | 05.07.1999   | -10.616,00                                                                             |
| 5200020130      | 31.12.2011   | 10.585,40                                                                              |
| 5200000603      | 01.01.2012   | -10.585,40                                                                             |
| 5200026181      | 31.10.2014   | 10.543,89                                                                              |
| 5200026534      | 01.11.2014   | -10.543,89                                                                             |
| 5200008935      | 31.08.2003   | 10.538,05                                                                              |
| 5200008961      | 01.09.2003   | -10.538,05                                                                             |
| 5200003038      | 31.01.2013   | 10.525,70                                                                              |
| 5200003380      | 01.02.2013   | -10.525,70                                                                             |
| 5200006775      | 30.06.2003   | 10.492,78                                                                              |
| 5200006801      | 01.07.2003   | -10.492,78                                                                             |
| 5200029132      | 31.10.2013   | 10.484,06                                                                              |
| 5200029474      | 01.11.2013   | -10.484,06                                                                             |
| 5000002163      | 31.12.2017   | 10.466,15                                                                              |
| 5200022202      | 30.09.2012   | 10.461,37                                                                              |
| 5200022496      | 01.10.2012   | -10.461,37                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## Annex 33.4.b

## Uncertain Liabilities Performance Materials

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200006975      | 31.05.2002   | 10.455,32                                                                              |
| 5200006989      | 01.06.2002   | -10.455,32                                                                             |
| 5000002163      | 31.12.2017   | 10.446,00                                                                              |
| 5000002163      | 31.12.2017   | 10.446,00                                                                              |
| 5000002216      | 31.12.2017   | -10.446,00                                                                             |
| 5000002216      | 31.12.2017   | -10.446,00                                                                             |
| 5200029068      | 31.10.2015   | 10.434,58                                                                              |
| 5200029476      | 01.11.2015   | -10.434,58                                                                             |
| 5200020958      | 31.08.2014   | 10.431,09                                                                              |
| 5200021391      | 01.09.2014   | -10.431,09                                                                             |
| 5200002747      | 31.01.2017   | 10.398,12                                                                              |
| 5200005991      | 28.02.2017   | 10.398,12                                                                              |
| 5200009160      | 31.03.2017   | 10.398,12                                                                              |
| 5200013710      | 30.04.2017   | 10.398,12                                                                              |
| 5200017726      | 31.05.2017   | 10.398,12                                                                              |
| 5200003297      | 01.02.2017   | -10.398,12                                                                             |
| 5200006534      | 01.03.2017   | -10.398,12                                                                             |
| 5200009699      | 01.04.2017   | -10.398,12                                                                             |
| 5200014267      | 01.05.2017   | -10.398,12                                                                             |
| 5200018287      | 01.06.2017   | -10.398,12                                                                             |
| 5200018298      | 30.06.2013   | 10.365,63                                                                              |
| 5200018698      | 01.07.2013   | -10.365,63                                                                             |
| 5200034648      | 31.12.2016   | 10.361,20                                                                              |
| 5200000744      | 01.01.2017   | -10.361,20                                                                             |
| 5200014878      | 31.05.2015   | 10.336,66                                                                              |
| 5200015269      | 01.06.2015   | -10.336,66                                                                             |
| 2709650         | 31.05.1995   | 10.323,47                                                                              |
| 2709672         | 06.06.1995   | -10.323,47                                                                             |
| 5200001417      | 31.01.2014   | 10.318,56                                                                              |
| 5200001789      | 01.02.2014   | -10.318,56                                                                             |
| 5200004186      | 28.02.2014   | 10.286,29                                                                              |
| 5200004587      | 01.03.2014   | -10.286,29                                                                             |
| 5200018316      | 30.06.2013   | 10.272,10                                                                              |
| 5200018716      | 01.07.2013   | -10.272,10                                                                             |
| 5200017469      | 30.06.2015   | 10.269,59                                                                              |
| 5200017822      | 01.07.2015   | -10.269,59                                                                             |
| 5200017510      | 30.06.2015   | 10.257,40                                                                              |
| 5200017863      | 01.07.2015   | -10.257,40                                                                             |
| 5200014846      | 31.05.2015   | 10.237,31                                                                              |
| 5200015237      | 01.06.2015   | -10.237,31                                                                             |
| 2711531         | 31.07.1995   | 10.223,48                                                                              |
| 2711556         | 03.08.1995   | -10.223,48                                                                             |
| 5200020433      | 31.07.2016   | 10.213,30                                                                              |
| 5200020903      | 01.08.2016   | -10.213,30                                                                             |
| 5200006598      | 31.03.2012   | 10.182,11                                                                              |
| 5200006895      | 01.04.2012   | -10.182,11                                                                             |
| 5200011776      | 31.10.2003   | 10.147,99                                                                              |
| 5200013179      | 30.11.2003   | 10.147,99                                                                              |
| 5200014288      | 31.12.2003   | 10.147,99                                                                              |
| 5200011800      | 01.11.2003   | -10.147,99                                                                             |
| 5200013202      | 01.12.2003   | -10.147,99                                                                             |
| 5200000384      | 01.01.2004   | -10.147,99                                                                             |
| 5200020140      | 31.08.2012   | 10.118,49                                                                              |
| 5200020426      | 01.09.2012   | -10.118,49                                                                             |
| 5200011978      | 30.04.2015   | 10.098,27                                                                              |
| 5200012392      | 01.05.2015   | -10.098,27                                                                             |
| 5200004098      | 29.02.2012   | 10.052,94                                                                              |
| 5200004370      | 01.03.2012   | -10.052,94                                                                             |
| 5200006614      | 31.03.2012   | 10.052,53                                                                              |
| 5200008968      | 30.04.2012   | 10.052,53                                                                              |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200012023      | 31.05.2012   | 10.052,53                                                                              |
| 5200006911      | 01.04.2012   | -10.052,53                                                                             |
| 5200009246      | 01.05.2012   | -10.052,53                                                                             |
| 5200012297      | 01.06.2012   | -10.052,53                                                                             |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## V. Other provisions

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5000002392      | 31.12.2017   | -32.800.000,00                                                                         |
| 5000001883      | 31.12.2014   | 31.826.033,00                                                                          |
| 5000001608      | 31.12.2016   | -19.073.582,00                                                                         |
| 5000001883      | 31.12.2014   | 18.426.000,00                                                                          |
| 5000000851      | 01.07.2016   | 10.577.282,00                                                                          |
| 5000001651      | 31.12.2015   | 5.223.516,00                                                                           |
| 5000000956      | 31.07.2015   | 4.859.000,00                                                                           |
| 5000001044      | 31.08.2015   | 4.659.000,00                                                                           |
| 5000000479      | 30.04.2015   | 4.633.000,00                                                                           |
| 5000000775      | 30.06.2015   | 4.349.000,00                                                                           |
| 5000000326      | 31.03.2015   | 4.138.000,00                                                                           |
| 5000000576      | 31.05.2015   | 4.121.000,00                                                                           |
| 5000001319      | 31.10.2015   | 4.074.408,00                                                                           |
| 5000000185      | 28.02.2015   | 4.014.102,00                                                                           |
| 5000001464      | 30.11.2015   | 3.832.525,00                                                                           |
| 5000000071      | 31.01.2015   | 3.501.362,00                                                                           |
| 5000000091      | 31.01.2016   | 3.129.500,00                                                                           |
| 5000001149      | 29.09.2015   | 2.917.000,00                                                                           |
| 5000000308      | 31.03.2016   | 2.875.728,00                                                                           |
| 5000000189      | 29.02.2016   | 2.491.072,00                                                                           |
| 5000001883      | 31.12.2014   | 2.396.739,00                                                                           |
| 5000002002      | 31.12.2016   | 2.000.000,00                                                                           |
| 5000001984      | 31.12.2016   | -1.967.650,00                                                                          |
| 5000001585      | 30.11.2013   | 1.363.000,00                                                                           |
| 5000001841      | 31.12.2013   | 1.363.000,00                                                                           |
| 5000001766      | 01.10.2010   | 993.632,95                                                                             |
| 5000000950      | 31.07.2015   | -852.600,00                                                                            |
| 5000000846      | 30.06.2014   | 638.000,00                                                                             |
| 4300209699      | 31.08.2017   | -394.646,46                                                                            |
| 4300234320      | 18.10.2017   | -394.646,46                                                                            |
| 5000002371      | 31.12.2017   | 340.812,20                                                                             |
| 5000001578      | 31.12.2014   | -336.400,00                                                                            |
| 5000001502      | 30.09.2012   | 313.000,00                                                                             |
| 5000001608      | 31.12.2016   | -246.418,00                                                                            |
| 5000001375      | 08.09.2017   | -213.000,00                                                                            |
| 5000000358      | 31.03.2017   | 198.650,00                                                                             |
| 5000000409      | 31.03.2013   | 173.218,09                                                                             |
| 5800000206      | 30.04.2016   | 166.823,78                                                                             |
| 5800000755      | 31.12.2017   | 165.988,00                                                                             |
| 5800000616      | 31.10.2017   | 164.623,24                                                                             |
| 5800000548      | 30.09.2017   | 162.454,53                                                                             |
| 5800000678      | 30.11.2017   | 161.235,62                                                                             |
| 5800000216      | 30.04.2017   | 160.784,97                                                                             |
| 5800000484      | 31.08.2017   | 159.456,91                                                                             |
| 5800000415      | 31.07.2017   | 158.218,87                                                                             |
| 5800000338      | 30.06.2017   | 157.707,05                                                                             |
| 5800000279      | 31.05.2017   | 156.587,70                                                                             |
| 5800000035      | 31.01.2017   | 150.424,33                                                                             |
| 5800000089      | 28.02.2017   | 150.372,04                                                                             |
| 5000002523      | 31.12.2017   | 116.000,00                                                                             |
| 5000001885      | 31.12.2016   | -76.573,35                                                                             |
| 5200001488      | 25.03.2010   | -76.178,56                                                                             |
| 5200002257      | 25.03.2011   | -76.178,56                                                                             |
| 5200003340      | 25.03.2012   | -76.178,56                                                                             |
| 5200005914      | 25.03.2013   | -76.178,56                                                                             |
| 5200003410      | 25.03.2014   | -76.178,56                                                                             |
| 5200002876      | 25.03.2015   | -76.178,56                                                                             |
| 5200003717      | 25.03.2016   | -76.178,56                                                                             |

| Document number | Posting date | Nominal value of the document item in Euro (pro rata, as the case may be) <sup>1</sup> |
|-----------------|--------------|----------------------------------------------------------------------------------------|
| 5200004662      | 25.03.2017   | -76.178,56                                                                             |
| 5000002505      | 31.12.2017   | 63.417,85                                                                              |
| 5000002523      | 31.12.2017   | 58.000,00                                                                              |
| 5200001488      | 25.03.2010   | -34.225,15                                                                             |
| 5200002257      | 25.03.2011   | -34.225,15                                                                             |
| 5200003340      | 25.03.2012   | -34.225,15                                                                             |
| 5200005914      | 25.03.2013   | -34.225,15                                                                             |
| 5200003410      | 25.03.2014   | -34.225,15                                                                             |
| 5200002876      | 25.03.2015   | -34.225,15                                                                             |
| 5200003717      | 25.03.2016   | -34.225,15                                                                             |
| 5200004662      | 25.03.2017   | -34.225,15                                                                             |
| 5000001728      | 31.12.2014   | 31.737,35                                                                              |
| 5000001879      | 31.12.2013   | -31.609,61                                                                             |
| 5000001853      | 31.12.2014   | 23.031,09                                                                              |
| 5000001728      | 31.12.2014   | -21.130,45                                                                             |
| 5000001800      | 31.12.2015   | 20.814,04                                                                              |
| 5000001771      | 01.10.2010   | 12.917,23                                                                              |
| 5000000386      | 31.03.2014   | 12.609,42                                                                              |
| 5000001879      | 31.12.2013   | -12.609,42                                                                             |
| 5000000509      | 31.03.2011   | 12.110,18                                                                              |
| 5000002220      | 31.12.2010   | 11.954,77                                                                              |
| 5000001885      | 31.12.2016   | 11.951,17                                                                              |
| 5000001771      | 01.10.2010   | 11.801,35                                                                              |
| 5000001771      | 01.10.2010   | 11.649,90                                                                              |
| 5000000538      | 31.03.2012   | 11.260,35                                                                              |
| 5000002885      | 31.12.2011   | 11.115,84                                                                              |
| 5000001831      | 30.09.2011   | 10.973,19                                                                              |
| 5000001185      | 30.06.2011   | 10.832,37                                                                              |
| 5000001821      | 31.12.2015   | 10.595,89                                                                              |
| 5000000379      | 31.03.2013   | 10.365,45                                                                              |
| 5000001934      | 31.12.2012   | 10.232,42                                                                              |
| 5000001423      | 30.09.2012   | 10.101,11                                                                              |

<sup>1</sup> Debit-side items (negative values) can occur due to the recording of business transactions to the accounts. This does not change the classification of the position as a provision.

## **Annex 34.2**

### **Contractual relationships Performance Materials**

**I. The contracts of KGaA that are recorded in the Legal Document Management System (LDMS) (naming the respective LDMS number)<sup>1</sup>**

**1. Distribution Agreements**

LCM-132453      LCM-220025      LCM-222738      LCM-224881

**2. Intercompany Agreements**

LCM-243786

**3. IP License Agreements**

LCM-116431      LCM-132140      LCM-134387      LCM-134388      LCM-198877      LCM-215981  
 LCM-221804      LCM-221902      LCM-221903      LCM-232771      LCM-234540      LCM-238043  
 LCM-98702

**4. IT**

LCM-236250

**5. Letter of Intent**

LCM-227888

**6. Material Transfer Agreements – MTA**

LCM-119195      LCM-126598      LCM-132943      LCM-137072      LCM-139650      LCM-197659  
 LCM-197961      LCM-200935      LCM-203976      LCM-206221      LCM-206926      LCM-208704  
 LCM-208749      LCM-209950      LCM-209960      LCM-209962      LCM-210644      LCM-211539  
 LCM-211845      LCM-212325      LCM-212450      LCM-212452      LCM-213008      LCM-213009  
 LCM-213108      LCM-213462      LCM-213930      LCM-215051      LCM-215053      LCM-215234  
 LCM-215310      LCM-215934      LCM-217344      LCM-217405      LCM-218202      LCM-219151  
 LCM-219287      LCM-219679      LCM-222039      LCM-222834      LCM-223092      LCM-225590  
 LCM-225699      LCM-226233      LCM-226247      LCM-226757      LCM-227695      LCM-227882  
 LCM-228127      LCM-229919      LCM-230027      LCM-230676      LCM-230998      LCM-231177  
 LCM-231719      LCM-231724      LCM-231812      LCM-231815      LCM-232122      LCM-233239  
 LCM-234175      LCM-234309      LCM-235264      LCM-239253      LCM-241204      LCM-68454  
 LCM-99144      LCM-99146

**7. Other Agreements**

LCM-107061      LCM-107163      LCM-107389      LCM-107493      LCM-107497      LCM-107510  
 LCM-107654      LCM-117504      LCM-117540      LCM-117541      LCM-117542      LCM-117543  
 LCM-117544      LCM-117545      LCM-117546      LCM-117548      LCM-117549      LCM-118176  
 LCM-118533      LCM-118914      LCM-119166      LCM-119452      LCM-119671      LCM-120378  
 LCM-120580      LCM-121003      LCM-121138      LCM-122607      LCM-122876      LCM-123581  
 LCM-124438      LCM-124587      LCM-124593      LCM-124646      LCM-125216      LCM-125217  
 LCM-125513      LCM-125515      LCM-125516      LCM-125518      LCM-126197      LCM-127747  
 LCM-127898      LCM-128659      LCM-128686      LCM-128853      LCM-129668      LCM-129688  
 LCM-129869      LCM-130432      LCM-130791      LCM-130986      LCM-131582      LCM-132345

<sup>1</sup> Listed under I. of the annex are contracts with their respective contract number, both being registered in the contract database "Legal Document Management System" of Merck KGaA, Darmstadt, Deutschland.

**Annex 34.2****Contractual Relationships Performance Materials**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-132999 | LCM-133000 | LCM-133061 | LCM-133234 | LCM-133488 | LCM-133513 |
| LCM-133694 | LCM-134202 | LCM-134390 | LCM-136503 | LCM-136890 | LCM-137603 |
| LCM-139200 | LCM-139387 | LCM-139388 | LCM-139562 | LCM-140503 | LCM-140505 |
| LCM-140997 | LCM-141127 | LCM-141243 | LCM-141565 | LCM-141787 | LCM-141788 |
| LCM-141825 | LCM-142239 | LCM-142260 | LCM-142617 | LCM-193982 | LCM-193984 |
| LCM-193985 | LCM-193987 | LCM-195810 | LCM-196928 | LCM-197336 | LCM-198407 |
| LCM-198408 | LCM-198683 | LCM-201098 | LCM-201159 | LCM-202465 | LCM-202474 |
| LCM-202769 | LCM-203445 | LCM-204155 | LCM-204306 | LCM-204454 | LCM-204534 |
| LCM-204559 | LCM-204896 | LCM-204914 | LCM-205484 | LCM-206069 | LCM-208048 |
| LCM-208695 | LCM-210071 | LCM-210072 | LCM-210158 | LCM-211893 | LCM-212399 |
| LCM-212474 | LCM-213100 | LCM-214367 | LCM-214936 | LCM-215850 | LCM-216177 |
| LCM-216376 | LCM-216623 | LCM-216896 | LCM-217636 | LCM-218014 | LCM-218356 |
| LCM-218506 | LCM-218940 | LCM-219147 | LCM-220009 | LCM-220026 | LCM-220059 |
| LCM-220905 | LCM-221211 | LCM-221344 | LCM-222478 | LCM-222528 | LCM-223707 |
| LCM-224796 | LCM-224880 | LCM-224985 | LCM-225420 | LCM-225942 | LCM-226252 |
| LCM-227244 | LCM-228089 | LCM-228187 | LCM-228402 | LCM-229233 | LCM-229234 |
| LCM-229698 | LCM-230555 | LCM-231233 | LCM-231245 | LCM-231359 | LCM-232207 |
| LCM-232215 | LCM-233131 | LCM-233898 | LCM-234840 | LCM-235136 | LCM-235434 |
| LCM-236836 | LCM-236846 | LCM-238333 | LCM-238961 | LCM-239932 | LCM-240784 |
| LCM-240814 | LCM-242017 | LCM-242614 | LCM-242912 | LCM-243254 | LCM-243703 |
| LCM-67354  | LCM-68307  | LCM-94723  | LCM-95267  | LCM-95513  | LCM-95660  |
| LCM-95905  | LCM-95919  | LCM-96821  | LCM-98719  | LCM-99493  | LCM-99808  |
| LCM-241605 | LCM-53224  | LCM-60154  | LCM-63630  | LCM-64120  | LCM-65124  |
| LCM-66298  | LCM-67307  | LCM-67743  | LCM-68149  | LCM-68152  | LCM-68297  |
| LCM-68322  | LCM-69505  | LCM-87279  | LCM-90133  | LCM-90398  | LCM-247292 |

**8. Procurement Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-100743 | LCM-100808 | LCM-131972 | LCM-142289 | LCM-228173 | LCM-233000 |
| LCM-242824 | LCM-96023  |            |            |            |            |

**9. Product Development Agreement**

LCM-205762

**10. Quality Assurance Agreements**

LCM-196024      LCM-200601

**11. Research and Development Agreements**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-118555 | LCM-118556 | LCM-119009 | LCM-131354 | LCM-132155 | LCM-133825 |
| LCM-141546 | LCM-142593 | LCM-200400 | LCM-203107 | LCM-203788 | LCM-204121 |
| LCM-204196 | LCM-205959 | LCM-213530 | LCM-214601 | LCM-214635 | LCM-216547 |
| LCM-217000 | LCM-217638 | LCM-218051 | LCM-222818 | LCM-222918 | LCM-223286 |
| LCM-224056 | LCM-224683 | LCM-224882 | LCM-225299 | LCM-226399 | LCM-227150 |
| LCM-227488 | LCM-227985 | LCM-228306 | LCM-230447 | LCM-232756 | LCM-233795 |
| LCM-234308 | LCM-234837 | LCM-236293 | LCM-39504  | LCM-99713  |            |

**12. Sales Agreements-Out direct**

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| LCM-114763 | LCM-123472 | LCM-125514 | LCM-125556 | LCM-139209 | LCM-226785 |
|------------|------------|------------|------------|------------|------------|

**13. Service Agreements**

LCM-121052      LCM-194855      LCM-227073      LCM-229840      LCM-230979      LCM-99791  
LCM-247293

**14. Sponsoring and Donation Agreements**

LCM-194781      LCM-200472      LCM-204891      LCM-207366

**15. Reach Agreement**

LCM-143434



**II. Trademark agreements (including the respective contract number)<sup>2</sup>****1. License agreements with respect to trademark rights**

|           |            |           |           |           |           |
|-----------|------------|-----------|-----------|-----------|-----------|
| A1400WW00 | A6118EU00  | A6115EU00 | A6084WW01 | A6084RU00 | A6084EU01 |
| A6040EU00 | A5997RU00  | A5967WW00 | A5449RU00 | A5136WW00 | A4970US00 |
| A4961WW00 | A4959WW00  | A3680WW00 | A4640WW00 | A3814US00 | A3765WW00 |
| A4859TH00 | A4970WW02  | A4970WW01 | A3711WW00 | A3535DE00 | A3506EU00 |
| A5023WW00 | A3495EU00  | A3494WW00 | A3452WW00 | A3451WW00 | A4970BR01 |
| A5167BE00 | A25525KR00 | A4970BR00 | A6040EU01 | A6050WW00 | A6057AR00 |
| A6084EU02 | A6084WW02  | A1548PL00 | A6143EU00 | A1479US00 | A1387BR00 |
| A1384WW00 | A3300WW00  | A4059WW00 | A3954FR00 | A4136WW00 | A4173WW00 |
| A4333WW00 | A4309WW00  |           |           |           |           |

**2. Other agreements with respect to trademark rights**

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| A3330ZA00 | A1960DE00 | A1961DE00 | A1250WW00 | A1119DE00 | A2202WW00 |
| A2201DE00 | A3792RU00 | A7535CN01 | A6179CN00 | A1089MY00 | A4520WW00 |
| A1313NO00 | A1541RO00 | A1710MX00 | A3716WO00 | A5672DZ00 | A3583DZ00 |
| A3870SG00 | A3794MY00 | A3759RU00 | A3677TW00 | A3586BR00 | A5646RU00 |
| A5819GB00 | A1739WW00 | A1723WW00 | A1402WW00 | A1323WW00 | A1321WW00 |
| A1493WW00 | A1540WW00 | A1621DE00 | A5959CA00 | A1665DE00 | A6228EU00 |
| A1740WW00 | A1185BR00 | A1177DE00 | A1155DE00 | A1072DE00 | A1035DE00 |
| A3936CO00 | A3797WW00 | A3796WW00 | A3795WW00 | A3703EU00 | A3700WW00 |
| A3616WW00 | A3582WW00 | A3581WW00 | A3379DE00 | A3378DE00 | A3361WW00 |
| A3321WW00 | A3287DE00 | A3286DE00 | A3241WW00 | A3170WW00 | A3086JP00 |
| A3600DE00 | A3699FR00 | A5183EU00 | A5603WW00 | A2198EU00 | A2168WW00 |
| A2167WW00 | A2166WW00 | A2164WW00 | A2162DE00 | A2160WW00 | A2161WW00 |
| A2163WW00 | A2165WW00 | A2056WW00 | A2021DE00 | A4419WW00 | A1251DE00 |
| A2150ES00 | A2147SE00 | A2149ES00 | A2127TW00 | A2129DE00 | A1257ES00 |
| A2145NO00 | A5943IN00 | A5943CN00 | A6030WW00 | A5609WW00 | A1345DE00 |
| A6026DE00 | A6031WW00 | A5519EU00 | A1694AR00 | A1223BR00 | A1031WW00 |
| A3559WW00 | A3558EU00 | A3492WW00 | A3405DE00 | A3329WW00 | A3715WW00 |
| A4856EU00 | A2144IN00 | A2143EU00 | A2135DE00 | A2132DE00 | A2126DE00 |
| A2125DE00 | A2124DE00 | A2131DE00 | A2142DE00 | A2146NO00 | A2148PT00 |
| A2141DE00 | A2140DE00 | A5923EU00 | A6029WW00 | A6032WW00 | A6033WW00 |
| A3299WW00 | A1326DE00 | A4612WW00 |           |           |           |

<sup>2</sup> Listed in the Annex under II are the trademark agreements with their respective contract numbers, both being registered in the database "Patricia" of Merck KGaA, Darmstadt, Germany.

**III. Patent agreements (including the respective contract number)<sup>3</sup>****1. License agreements with respect to patent rights**

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| CNT-00022 | CNT-00026 | CNT-00034 | CNT-00070 | CNT-00072 | CNT-00074 |
| CNT-00090 | CNT-00092 | CNT-00096 | CNT-00103 | CNT-00139 | CNT-00146 |
| CNT-00148 | CNT-00149 | CNT-00154 | CNT-00177 | CNT-00179 | CNT-00220 |
| CNT-00259 | CNT-00272 | CNT-00284 | CNT-00296 | CNT-00303 | CNT-00312 |
| CNT-00411 | CNT-00443 | CNT-00444 | CNT-00530 | CNT-00532 | CNT-00547 |
| CNT-00548 | CNT-00559 | CNT-00593 | CNT-00607 | CNT-00608 | CNT-00623 |
| CNT-00425 |           |           |           |           |           |

**2. Other agreements with respect to patent rights**

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| CNT-00017 | CNT-00018 | CNT-00023 | CNT-00024 | CNT-00025 | CNT-00027 |
| CNT-00033 | CNT-00035 | CNT-00038 | CNT-00039 | CNT-00043 | CNT-00044 |
| CNT-00045 | CNT-00046 | CNT-00049 | CNT-00052 | CNT-00053 | CNT-00054 |
| CNT-00055 | CNT-00056 | CNT-00057 | CNT-00058 | CNT-00059 | CNT-00061 |
| CNT-00064 | CNT-00065 | CNT-00066 | CNT-00067 | CNT-00068 | CNT-00069 |
| CNT-00071 | CNT-00073 | CNT-00075 | CNT-00076 | CNT-00077 | CNT-00078 |
| CNT-00079 | CNT-00080 | CNT-00081 | CNT-00082 | CNT-00083 | CNT-00084 |
| CNT-00086 | CNT-00087 | CNT-00088 | CNT-00089 | CNT-00091 | CNT-00093 |
| CNT-00094 | CNT-00095 | CNT-00097 | CNT-00100 | CNT-00106 | CNT-00107 |
| CNT-00108 | CNT-00109 | CNT-00110 | CNT-00111 | CNT-00112 | CNT-00113 |
| CNT-00114 | CNT-00115 | CNT-00116 | CNT-00117 | CNT-00118 | CNT-00119 |
| CNT-00120 | CNT-00121 | CNT-00122 | CNT-00123 | CNT-00124 | CNT-00125 |
| CNT-00127 | CNT-00128 | CNT-00130 | CNT-00132 | CNT-00133 | CNT-00134 |
| CNT-00135 | CNT-00136 | CNT-00137 | CNT-00140 | CNT-00141 | CNT-00142 |
| CNT-00143 | CNT-00144 | CNT-00145 | CNT-00151 | CNT-00153 | CNT-00155 |
| CNT-00156 | CNT-00157 | CNT-00158 | CNT-00159 | CNT-00161 | CNT-00162 |
| CNT-00163 | CNT-00164 | CNT-00165 | CNT-00166 | CNT-00167 | CNT-00169 |
| CNT-00171 | CNT-00172 | CNT-00174 | CNT-00176 | CNT-00180 | CNT-00181 |
| CNT-00182 | CNT-00185 | CNT-00186 | CNT-00188 | CNT-00191 | CNT-00192 |
| CNT-00193 | CNT-00194 | CNT-00195 | CNT-00196 | CNT-00198 | CNT-00199 |
| CNT-00200 | CNT-00201 | CNT-00202 | CNT-00203 | CNT-00204 | CNT-00205 |
| CNT-00208 | CNT-00210 | CNT-00212 | CNT-00215 | CNT-00217 | CNT-00218 |
| CNT-00219 | CNT-00221 | CNT-00224 | CNT-00228 | CNT-00233 | CNT-00234 |
| CNT-00242 | CNT-00243 | CNT-00244 | CNT-00245 | CNT-00247 | CNT-00249 |
| CNT-00253 | CNT-00254 | CNT-00255 | CNT-00256 | CNT-00262 | CNT-00263 |
| CNT-00264 | CNT-00265 | CNT-00280 | CNT-00281 | CNT-00282 | CNT-00286 |
| CNT-00289 | CNT-00295 | CNT-00297 | CNT-00298 | CNT-00299 | CNT-00300 |
| CNT-00301 | CNT-00305 | CNT-00306 | CNT-00309 | CNT-00310 | CNT-00311 |
| CNT-00313 | CNT-00314 | CNT-00320 | CNT-00321 | CNT-00322 | CNT-00325 |
| CNT-00326 | CNT-00336 | CNT-00337 | CNT-00352 | CNT-00353 | CNT-00354 |
| CNT-00355 | CNT-00356 | CNT-00358 | CNT-00361 | CNT-00362 | CNT-00363 |
| CNT-00365 | CNT-00366 | CNT-00367 | CNT-00370 | CNT-00373 | CNT-00374 |
| CNT-00375 | CNT-00377 | CNT-00378 | CNT-00379 | CNT-00380 | CNT-00381 |
| CNT-00382 | CNT-00386 | CNT-00387 | CNT-00388 | CNT-00391 | CNT-00392 |
| CNT-00394 | CNT-00395 | CNT-00396 | CNT-00399 | CNT-00401 | CNT-00403 |

<sup>3</sup> Listed in the Annex under III are the trademark agreements with their respective contract numbers, both being registered in the database “Patricia” of Merck KGaA, Darmstadt, Germany.

**Annex 34.2****Contractual Relationships Performance Materials**

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| CNT-00404 | CNT-00405 | CNT-00406 | CNT-00407 | CNT-00408 | CNT-00409 |
| CNT-00410 | CNT-00412 | CNT-00414 | CNT-00417 | CNT-00418 | CNT-00419 |
| CNT-00428 | CNT-00429 | CNT-00430 | CNT-00431 | CNT-00439 | CNT-00441 |
| CNT-00442 | CNT-00445 | CNT-00447 | CNT-00448 | CNT-00456 | CNT-00465 |
| CNT-00470 | CNT-00479 | CNT-00480 | CNT-00481 | CNT-00482 | CNT-00483 |
| CNT-00485 | CNT-00486 | CNT-00487 | CNT-00488 | CNT-00489 | CNT-00490 |
| CNT-00491 | CNT-00492 | CNT-00493 | CNT-00494 | CNT-00500 | CNT-00501 |
| CNT-00502 | CNT-00503 | CNT-00505 | CNT-00508 | CNT-00510 | CNT-00511 |
| CNT-00512 | CNT-00516 | CNT-00522 | CNT-00524 | CNT-00528 | CNT-00538 |
| CNT-00539 | CNT-00541 | CNT-00542 | CNT-00546 | CNT-00549 | CNT-00550 |
| CNT-00553 | CNT-00555 | CNT-00556 | CNT-00557 | CNT-00560 | CNT-00561 |
| CNT-00562 | CNT-00567 | CNT-00568 | CNT-00569 | CNT-00570 | CNT-00575 |
| CNT-00576 | CNT-00577 | CNT-00581 | CNT-00588 | CNT-00594 | CNT-00596 |
| CNT-00597 | CNT-00598 | CNT-00599 | CNT-00601 | CNT-00602 | CNT-00603 |
| CNT-00604 | CNT-00606 | CNT-00610 | CNT-00611 | CNT-00615 | CNT-00621 |
| CNT-00624 | CNT-00626 | CNT-00631 | CNT-00632 | CNT-00634 | CNT-00652 |
| CNT-00655 | CNT-00656 | CNT-00657 | CNT-00659 | CNT-00661 | CNT-00662 |
| CNT-00663 | CNT-00664 | CNT-00665 | CNT-00667 | CNT-00668 | CNT-00670 |

## **Annex 35.1**

### Employment relationships Performance Materials

**Position keys of employees according to the personnel administration system, allocated to the Operating Units "KGaA Performance Materials Darmstadt" and "KGaA Performance Materials Gernsheim" at the Closing Balance Effective Date**

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
| 77262110 | 70043674 | 70040078 | 77265040 | 77045270 | 77201010 | 76335020 |
| 77169070 | 72262072 | 76350110 | 77204260 | 77235080 | 76083020 | 76043040 |
| 72169300 | 77039240 | 70104224 | 70284925 | 77258180 | 76406050 | 76100030 |
| 77045140 | 77036130 | 70041212 | 76351050 | 77257050 | 76159131 | 70310301 |
| 70096182 | 77268010 | 70063797 | 77204250 | 77185030 | 76387040 | 70017906 |
| 70223365 | 74243220 | 70284603 | 77204160 | 70174900 | 76101040 | 70018204 |
| 76408020 | 70050974 | 70006958 | 77262090 | 77268070 | 76281050 | 70059542 |
| 72171030 | 70313756 | 76346020 | 77262070 | 70087847 | 76396030 | 70286028 |
| 77153090 | 77213370 | 70093687 | 77204170 | 77046190 | 76320080 | 72295100 |
| 76331020 | 70274338 | 77157240 | 70274433 | 70049885 | 70007041 | 77236010 |
| 70008302 | 77258110 | 70135314 | 70048141 | 77041020 | 76018030 | 70065327 |
| 70048136 | 77235240 | 70058389 | 76351060 | 70100601 | 77062200 | 70220543 |
| 74687090 | 70308679 | 70024227 | 77025130 | 77204040 | 76363040 | 76407060 |
| 77236080 | 70309236 | 70038971 | 74644030 | 77046110 | 70041439 | 70137487 |
| 70062468 | 77201420 | 77204230 | 72165080 | 70296074 | 74699070 | 70248304 |
| 70309240 | 77262050 | 70263335 | 76101110 | 70019711 | 70016140 | 70006974 |
| 70296983 | 77234070 | 77268050 | 70307775 | 70051907 | 70208490 | 76290040 |
| 70007633 | 76313020 | 70037255 | 70107742 | 70061412 | 76035160 | 70113361 |
| 77058100 | 77158160 | 74499080 | 70039339 | 70093424 | 76398040 | 70018603 |
| 77258170 | 76406020 | 70057076 | 77045250 | 70050968 | 70048137 | 70311036 |
| 77238040 | 70253175 | 77039300 | 77204280 | 77201430 | 70006976 | 72262190 |
| 74693330 | 77062020 | 77059030 | 77227080 | 70243147 | 76035040 | 70054789 |
| 70014807 | 70100280 | 77157050 | 70032757 | 77227480 | 70085765 | 70218980 |
| 74500360 | 70099640 | 70050954 | 74499040 | 77154130 | 76318010 | 72169160 |
| 70052293 | 76252050 | 70032763 | 70012003 | 70112944 | 74622010 | 70313440 |
| 70263907 | 70116021 | 70308700 | 70308701 | 70262014 | 76318020 | 70292178 |
| 77039040 | 76018180 | 70308728 | 77213220 | 70049727 | 70220318 | 70100282 |
| 77204110 | 70050961 | 77227210 | 77236220 | 77268030 | 76159010 | 70028426 |
| 77050130 | 70008095 | 77258210 | 70058387 | 70289233 | 76306070 | 70214615 |
| 70055268 | 77036080 | 70309230 | 77258350 | 77046180 | 70304713 | 70304109 |
| 77238030 | 70309225 | 70098782 | 70309071 | 77154270 | 70100030 | 76396020 |
| 76356070 | 77167450 | 74500050 | 7087846  | 70298126 | 77051060 | 72170020 |
| 77238020 | 70093686 | 77157080 | 74687080 | 77038050 | 70299715 | 70070453 |
| 70299239 | 77167310 | 70048139 | 77046030 | 70310302 | 76159120 | 74561020 |
| 76400020 | 77234080 | 77166390 | 70046076 | 70035479 | 70035951 | 70082712 |
| 70013378 | 70032758 | 70045083 | 70050963 | 70311669 | 72299020 | 70079788 |
| 72173031 | 77038040 | 77238060 | 70127391 | 70085544 | 70006977 | 76104102 |
| 70007984 | 70077230 | 77167410 | 70032756 | 70309235 | 70006235 | 70276089 |
| 74251060 | 70069824 | 70082023 | 77213360 | 77258260 | 70522010 | 70303583 |
| 70178329 | 70071656 | 70092915 | 77157060 | 70309234 | 70280838 | 76406080 |
| 70084164 | 70309243 | 70042835 | 77169100 | 70298657 | 74699050 | 76158160 |
| 77046150 | 70027157 | 77201470 | 70057079 | 70026700 | 76239080 | 74675050 |
| 70205146 | 77040040 | 70175368 | 74587020 | 70020953 | 72171040 | 76104101 |
| 70221115 | 70271391 | 74500280 | 70218858 | 70091653 | 70103407 | 74669060 |
| 70007171 | 77204270 | 77235050 | 70041658 | 77166420 | 70306927 | 76363060 |
| 74243190 | 77123020 | 70053406 | 76193060 | 70091594 | 70006251 | 70055120 |
| 70312738 | 77227090 | 70050960 | 70043645 | 70243694 | 76125050 | 76290050 |
| 70082734 | 77236060 | 76027040 | 77060230 | 77060190 | 72059080 | 70025087 |
| 70308703 | 77236240 | 70312922 | 70079893 | 70044763 | 76201100 | 70050602 |
| 70114571 | 76351040 | 72197070 | 77062140 | 77238140 | 70043256 | 76193050 |
| 77036150 | 70148606 | 76321080 | 77060210 | 70108002 | 74621020 | 70189817 |
| 70303384 | 77054270 | 70107743 | 70006254 | 70082336 | 70040657 | 70047799 |
| 76406120 | 77045230 | 70310518 | 77039110 | 70013853 | 70308707 | 76023050 |
| 70006252 | 77148100 | 70053676 | 74676050 | 70061413 | 70082758 | 70046791 |
| 76023090 | 77238110 | 77060220 | 70053409 | 76320060 | 74603030 | 76159151 |
| 76407030 | 70287017 | 70245846 | 76203060 | 70039646 | 76407050 | 70305775 |
| 70083523 | 70299237 | 77157040 | 77258220 | 70006865 | 70116103 | 70125600 |
| 70089931 | 70042331 | 77040090 | 77213050 | 70082053 | 70138112 | 70303356 |
| 70273185 | 70042403 | 70050958 | 77257040 | 70020840 | 70032754 | 74598030 |
| 77262030 | 77227180 | 77166080 | 70035634 | 70309868 | 70017680 | 70304902 |
| 77235140 | 70084163 | 70299234 | 77201330 | 76335030 | 70033852 | 70302640 |
| 70158439 | 72165070 | 77258440 | 77258250 | 70032761 | 76193040 | 70053842 |
| 70297154 | 70040085 | 70308702 | 70310298 | 77227290 | 76320090 | 70307432 |
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## Employment Relationships Performance Materials

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
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## Employment Relationships Performance Materials

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
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## Employment Relationships Performance Materials

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|----------|----------|----------|----------|----------|----------|----------|
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| 76306110 | 70030757 | 70272742 | 70302359 | 70298576 | 70297904 | 70300280 |
| 70114980 | 70312559 | 70308744 | 70282476 | 70290986 | 70298164 | 70298981 |
| 70303239 | 70096176 | 70242187 | 70290805 | 70292603 | 70302416 | 70311589 |



## Employment Relationships Performance Materials

|          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|
| 70302122 | 70302154 | 70307450 | 70299152 | 70303108 | 70312053 | 70311977 |
| 70300261 | 70308846 | 70288858 | 70310381 | 70303128 | 70306423 | 70311983 |
| 70298118 | 70304029 | 70288848 | 70307780 | 70307592 | 70306488 | 70312015 |
| 70298359 | 70302153 | 70288841 | 70299867 | 70303103 | 70306481 | 70312050 |
| 70303152 | 70256632 | 70288851 | 70299834 | 70303102 | 70310371 | 70312150 |
| 70300279 | 70304497 | 70288839 | 70299890 | 70303026 | 70306625 | 70312186 |
| 70307838 | 70312717 | 70288844 | 70300127 | 70303107 | 70312513 | 70312215 |
| 70245610 | 70305705 | 70288857 | 70300206 | 70302932 | 70306624 | 70312280 |
| 70302854 | 70303521 | 70288850 | 70300260 | 70303045 | 70306601 | 70312278 |
| 70299075 | 70298345 | 70288853 | 70313284 | 70303229 | 70306847 | 70312240 |
| 70303481 | 70303537 | 70282673 | 70300259 | 70312129 | 70306982 | 70312244 |
| 70302852 | 70298800 | 70303450 | 70300394 | 70303241 | 70307004 | 70312583 |
| 70298124 | 70265128 | 70303454 | 70302846 | 70303207 | 70307003 | 70312344 |
| 70295514 | 70302206 | 70305861 | 70314662 | 70303279 | 70307079 | 70312346 |
| 70277453 | 70303228 | 70306325 | 70300479 | 70303034 | 70307217 | 70312376 |
| 70243691 | 70307143 | 70288842 | 70300962 | 70303353 | 70307267 | 70312505 |
| 70240398 | 70311667 | 70306372 | 70301084 | 70303349 | 70307333 | 70312510 |
| 70295229 | 70303125 | 70307706 | 70309559 | 70312021 | 70307398 | 70312532 |
| 70196960 | 70312310 | 70289686 | 70301058 | 70303286 | 70307629 | 70312545 |
| 70304752 | 70305706 | 70275917 | 70301205 | 70303048 | 70313128 | 70312588 |
| 70300477 | 70287069 | 70291743 | 70301129 | 70303400 | 70307787 | 70312637 |
| 70300003 | 70303625 | 70312016 | 70301293 | 70306925 | 70307851 | 70312739 |
| 70303501 | 70271041 | 70287626 | 70301292 | 70303372 | 70307853 | 70312721 |
| 70301485 | 70271043 | 70305132 | 70301283 | 70303457 | 70307839 | 70312904 |
| 70240383 | 70271037 | 70294267 | 70301286 | 70303406 | 70308713 | 70312911 |
| 70301506 | 70271042 | 70085763 | 70301280 | 70303460 | 70308842 | 70312941 |
| 70300868 | 70305909 | 70298880 | 70301363 | 70303209 | 70308859 | 70313003 |
| 70265799 | 70302901 | 70294679 | 70311937 | 70303473 | 70308865 | 70313010 |
| 70303288 | 70271047 | 70295006 | 70301467 | 70303596 | 70308871 | 70312990 |
| 70307409 | 70271049 | 70295005 | 70301522 | 70303027 | 70308958 | 70312993 |
| 70301827 | 70271571 | 70310827 | 70313403 | 70307118 | 70308982 | 70313067 |
| 70302208 | 70271048 | 70309339 | 70301401 | 70303362 | 70309059 | 70313072 |
| 70104181 | 70271051 | 70296099 | 70301495 | 70313222 | 70309060 | 70313108 |
| 70313611 | 70271046 | 70314082 | 70303876 | 70303047 | 70309453 | 70313124 |
| 70306475 | 70271572 | 70306119 | 70301620 | 70303727 | 70309473 | 70313228 |
| 70241204 | 70278686 | 70309471 | 70301653 | 70303726 | 70309532 | 70313210 |
| 70287804 | 70304602 | 70297250 | 70301654 | 70311666 | 70309565 | 70313257 |
| 70247526 | 70307441 | 70311408 | 70301663 | 70303787 | 70309614 | 70313202 |
| 70313422 | 70306371 | 70306500 | 70301674 | 70306361 | 70312826 | 70313420 |
| 70306735 | 70306254 | 70297346 | 70301742 | 70303903 | 70309899 | 70313455 |
| 70306738 | 70307905 | 70311602 | 70301758 | 70304116 | 70310050 | 70313579 |
| 70298150 | 70306255 | 70304719 | 70301725 | 70304195 | 70310285 | 70313383 |
| 70249354 | 70044780 | 70297814 | 70301726 | 70303456 | 70310332 | 70313526 |
| 70286149 | 70312511 | 70302784 | 70305131 | 70307620 | 70310374 | 70313650 |
| 70094751 | 70309350 | 70311791 | 70302835 | 70310503 | 70310403 | 70313907 |
| 70298380 | 70304523 | 70309782 | 70301920 | 70303333 | 70310482 |          |
| 70268980 | 70306533 | 70312019 | 70313385 | 70303834 | 70310600 |          |
| 70301161 | 70307904 | 70312743 | 70310308 | 70303408 | 70310801 |          |
| 70303700 | 70304827 | 70306326 | 70312811 | 70304650 | 70310852 |          |
| 70313243 | 70306517 | 70297962 | 70302195 | 70304657 | 70310881 |          |
| 70300994 | 70303885 | 70300853 | 70302234 | 70304649 | 70310861 |          |
| 70301629 | 70307346 | 70298050 | 70302284 | 70304520 | 70310702 |          |
| 70298750 | 70309283 | 70313915 | 70302156 | 70304774 | 70310910 |          |
| 70302977 | 70092744 | 70308956 | 70302296 | 70305320 | 70310951 |          |
| 70311299 | 70303155 | 70307219 | 70302390 | 70305050 | 70311227 |          |
| 70303106 | 70302999 | 70306953 | 70302930 | 70305036 | 70311301 |          |
| 70302858 | 70313407 | 70300425 | 70302433 | 70305108 | 70311307 |          |
| 70302476 | 70304850 | 70298232 | 70305517 | 70305040 | 70311323 |          |
| 70302837 | 70276549 | 70298238 | 70302487 | 70305375 | 70311386 |          |
| 70310396 | 70311729 | 70306441 | 70302494 | 70305321 | 70311384 |          |
| 70307404 | 70307344 | 70298408 | 70302467 | 70305283 | 70311438 |          |
| 70303886 | 70278183 | 70302414 | 70302377 | 70305422 | 70311443 |          |
| 70305597 | 70306467 | 70312801 | 70302557 | 70305403 | 70311445 |          |
| 70300630 | 70274700 | 70298382 | 70305107 | 70305505 | 70311702 |          |
| 70301826 | 70306766 | 70298454 | 70302608 | 70307237 | 70311781 |          |
| 70301829 | 70305076 | 70298780 | 70313061 | 70304851 | 70311786 |          |
| 70307412 | 70286384 | 70298782 | 70302777 | 70305317 | 70311792 |          |
| 70301900 | 70112225 | 70298825 | 70302787 | 70305404 | 70311797 |          |
| 70306854 | 70288835 | 70298900 | 70306512 | 70313075 | 70311803 |          |
| 70307078 | 70288856 | 70312228 | 70302906 | 70305849 | 70311826 |          |
| 70302095 | 70288854 | 70309252 | 70304011 | 70305931 | 70311752 |          |
| 70305910 | 70298858 | 70307552 | 70302979 | 70305942 | 70311814 |          |
| 70305293 | 70288840 | 70299026 | 70302993 | 70305995 | 70311870 |          |
| 70311633 | 70288845 | 70299002 | 70303037 | 70309893 | 70314150 |          |
| 70314660 | 70303284 | 70300150 | 70303032 | 70306250 | 70312001 |          |

## **Annex 35.9**

Trust Agreement on transferring the legal position of KGaA as regards  
Pension Commitments vis-à-vis Transitioning Performance Materials  
Employees to PM OpCo

**Regulatory Content of the Trust Agreement  
with regard to pension commitments by way of  
direct insurance and the pension fund  
according to Sec. 35.9 of the  
Hive-Down and Transfer Agreement<sup>1</sup> between  
KGaA and PM OpCo**

**§ 1 Trust Agreement**

- 1.1 KGaA undertakes, as of the Legal Effective Date within the meaning of the Hive-Down Agreement between KGaA and PM OpCo and with economic effect as of Economic Effective Date, to perform the legal positions required for pension commitments in the form of direct insurance commitments and pension fund commitments and that KGaA holds relating to Transferring Employees of the Performance Materials sectors within the meaning of Sec. 35.1 of the Hive-Down Agreement (hereinafter referred to as ***legal positions from the external means of implementation***), specifically to maintain the policyholder position with regard to direct insurance and the position as a member firm of the pension fund, as per the legal regulations exclusive in trust for PM OpCo and in their interest (hereinafter ***Trust Agreement***). In particular, KGaA shall not have the right to transfer, assign, pledge, encumber or surrender the legal positions from the external execution channels without the prior consent of PM OpCo.
- 1.2 PM OpCo is entitled to extend the fiduciary relationship established under this Trust Agreement at any time by instructing the KGaA to include additional legal positions from external means of implementation. This applies in particular to legal positions from external means of implementation, insofar as they relate to employees who are hired after the Economic Effective Date and receive a direct insurance commitment or pension fund commitment. All such additional legal positions from external channels of execution shall be deemed to be legal positions from external means of implementation within the meaning of this Trust Agreement as from the time of instruction by PM OpCo.
- 1.3 The parties agree that during the fiduciary administration by KGaA, PM OpCo, as holder of the legal positions from the external execution channels, shall have the same economic rights as an owner with full legal rights regarding the legal positions from the external execution channels. Furthermore, the fiduciary administration is not intended for KGaA to wholly or partly hold the economic ownership to the legal positions from the external execution channels.

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<sup>1</sup> The definitions of the Hive-Down and Transfer Agreement apply accordingly unless otherwise provided below.

## **§ 2 Rights and Obligations of KGaA**

- 2.1 KGaA is obligated to follow all instructions of PM OpCo in connection with the legal positions from the external execution channels. Moreover, it is obligated to perform all duties under this Trust Agreement with the greatest possible care.
- 2.2 KGaA undertakes to fulfill all legal and contractual obligations towards the beneficiaries and the pension providers based on the direct insurance commitments and pension fund commitments within the scope of this Agreement. In particular, KGaA undertakes to make timely payments of insurance premiums and contributions for direct insurance commitments and pension fund commitments and to act vis-à-vis external pension providers in a manner that is in the best interest of PM OpCo, to make the best economic use of the legal position from external execution channels.
- 2.3 KGaA is only obligated and entitled to enforce the legal positions from the external execution channels if PM OpCo gives it explicit instruction to do so. The express instruction can also be given on an overall basis. If it receives such instructions, it shall execute the legal positions from the external execution channels in the best interests of PM OpCo and according to their instructions, while keeping PM OpCo informed of all key aspects of the proceedings. Should KGaA consider a particular measure to enforce the legal positions from the external execution channels to be of benefit, it shall provide PM OpCo with all information that justifies its assessment and request the issuance of instructions by PM OpCo.
- 2.4 Any payments which the KGaA receives in connection with its activities under this Trust Agreement and which are not due to the employees mentioned in section 1.1, but to the KGaA economically due to its position as policyholder of direct insurance or as a member firm of the pension fund, are exclusively due to the PM OpCo in relation between the KGaA and the PM OpCo.

## **§ 3 Rights and Obligations of PM OpCo**

- 3.1 PM OpCo shall have the exclusive right to use the legal positions from the external execution channels in any way and to exploit them as needed.
- 3.2 PM OpCo shall have the right to issue instructions to KGaA from the external execution channels at any time with regard to the legal positions. In doing so, it shall act in accordance with the statutory provisions.
- 3.3 PM OpCo is obliged to assist KGaA in the fulfillment of all legal or contractual obligations under the direct insurance commitments and pension fund commitments to the beneficiaries and the pension providers.
- 3.4 PM OpCo shall at any time be entitled to demand from KGaA the termination of any activities of KGaA with respect to the legal positions from the external execution channels and/or to arrange the re-establishment / transfer of the legal positions from the external execution channels. PM OpCo shall operate in accordance with the legal regulations.

#### § 4 Costs and Accounting

- 4.1 All costs and expenses incurred by KGaA in connection with the fulfillment of obligations under this Trust Agreement shall be borne by PM OpCo. KGaA shall bill all costs incurred as a result of the fulfillment of the obligations under this Trust Agreement within reasonable regular intervals, at least once a year to PM OpCo.
- 4.2 The costs substantiated and invoiced in accordance with sec. 4.1 **Error! Reference source not found.** shall be paid by PM OpCo to KGaA within 60 days of receipt of the invoice.

#### § 5 Term and Termination

- 5.1 This Trust Agreement shall become effective upon registration of the hive-down in the Commercial Register and with retroactive effect from the Economic Effective Date as of January 1, 2018, at midnight, and shall be entered into for an indefinite period of time.
- 5.2 PM OpCo and KGaA may each terminate the Trust Agreement at any time without providing any reason, giving notice of 2 months as per the end of the month,.
- 5.3 The right of both Parties to terminate this Trust Agreement for due cause or for mutually agreed annulment and amendment shall remain unaffected.
- 5.4 Upon termination of this Trust Agreement, all rights of the Parties under this Trust Agreement shall elapse unless expressly specified otherwise. At the time of termination, the legal positions from the external means of implementation are transferred to PM OpCo, where appropriate. KGaA and PM OpCo will carry out the necessary steps for the transfer. If the transfer requires the approval of the external pension provider or an agreement with the external pension provider, the KGaA and PM OpCo will obtain or conclude such an agreement. Insofar as such consent is refused or such an agreement with the external pension provider is not reached, the KGaA will ensure that PM OpCo will be provided as if a corresponding agreement had been concluded, in particular by working towards obtaining a policyholder position with regard to the direct insurances and obtaining a status of a member firm of PKDW.

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### **Annex 36.3**

Procedural law relationships Performance Materials

**I. Procedural law relationships trademarks**

| <b>Case number</b> | <b>Country</b>     |
|--------------------|--------------------|
| L1364TR00          | Turkey             |
| L7130US00          | United States      |
| L2001FR00          | France             |
| L4970BR00          | Brazil             |
| L25525KR00         | Republic of Korea  |
| L4970US00          | United States      |
| L1862RU00          | Russian Federation |
| L2011BR00          | Brazil             |

**II. Objection proceedings trademarks**

| <b>Case number</b> | <b>Country</b>                   |
|--------------------|----------------------------------|
| OT9019VN00         | Vietnam                          |
| OT11008MX00        | Mexico                           |
| OT11035MY00        | Malaysia                         |
| OT11486VE00        | Bolivarian Republic of Venezuela |
| OT11487VE00        | Bolivarian Republic of Venezuela |
| OT11951BR00        | Brazil                           |
| OT12107IT00        | Italy                            |
| OT4780FR00         | France                           |
| OT26045DE00        | Germany                          |
| OT12541CN00        | China                            |
| OT12095CN02        | China                            |
| OT11975VN00        | Vietnam                          |
| OT26240TR00        | Turkey                           |

### **Annex 39.1.n**

Public-law agreements and agreements on environmental matters, as well as obligations resulting from orders issued by official authorities that are not part of the Operational Assets to be Transferred



Public-law and environmental-related contracts not included in the Assets to be transferred

**I. Contracts registered in the internal database "Legal Document Management System" (LDMS) from the KGaA (indicating the respective LDMS-Number)<sup>1</sup>**

| <b>LDMS-Number</b> | <b>Type of contract</b> |
|--------------------|-------------------------|
| LCM-128389         | Public law contracts    |
| LCM-60657          | Public law contracts    |
| LCM-143234         | Public law contracts    |
| LCM-68325          | Public law contracts    |
| LCM-196500         | Public law contracts    |
| LCM-84130          | Enviromental contracts  |
| LCM-54485          | Enviromental contracts  |
| LCM-230469         | Enviromental contracts  |
| LCM-85303          | Enviromental contracts  |
| LCM-245150         | Enviromental contracts  |
| LCM-211253         | Enviromental contracts  |

**II. Orders issued by official authorities**

- RP Darmstadt (Az. V 39 d-79n 08.03(1))
- RP Darmstadt (Az. V 39 c 433 004 020 003 A)

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<sup>1</sup> The numbers listed in the Annex under I. correspond to the identification assigned to the respective contract in the LDMS System.

**Annex 44.1.a**

Draft of the Business Lease Agreement between KGaA and HC OpCo

**Business Lease Agreement**

between

**Merck Healthcare Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany,**

as the lessor

and

**Merck KGaA, Darmstadt, Germany**

as the lessee

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Draft of the Business Lease Agreement between KGaA and HC OpCo

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| CTA.....                                                | § 21.3       |
| Enterprise Resource Planning Systems, ERP Systems ..... | Preamble (4) |
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| Goodwill .....                                          | § 16.1       |
| Group .....                                             | Preamble (1) |
| HC OpCo .....                                           | Preamble (2) |
| Hive-down Balance Sheet Healthcare .....                | § 3.2        |
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| Leased Items .....                                      | § 3.1        |
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| Legal Effective Date .....                              | § 2          |
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| Secured Direct Commitments .....                        | § 21.3       |
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### Preamble

- (1) Merck Kommanditgesellschaft auf Aktien, Darmstadt, Germany, headquartered in Darmstadt, Germany, registered in the commercial register of the Darmstadt local court under HRB 6164 (**KGaA** or **Merck KGaA, Darmstadt, Germany**) is, together with its German and foreign subsidiaries (**Group**), a globally operating science and technology company and divided into the three group-wide Business Sectors Healthcare, Life Science, and Performance Materials.
- (2) KGaA is the sole shareholder of Merck Healthcare Holding GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, headquartered in Darmstadt, registered in the commercial register of the Darmstadt local court under HRB 97141, and of Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, headquartered in Darmstadt, registered in the commercial register of the Darmstadt local court under HRB 96240 (**HC OpCo**). KGaA as the controlling company and HC OpCo as the controlled company have entered into a domination and profit and loss transfer agreement within the meaning of Sec. 291 (1) s. 1 German Stock Corporations Act (*Aktiengesetz – AktG*). KGaA and HC OpCo are hereinafter also individually referred to as **Party** and collectively as **Parties**.
- (3) The operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim along with the associated assets and liabilities (hereinafter the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and/or the **Operating Unit KGaA Performance Materials** and, regardless of the Business Sector, an **Operating Unit** or collectively **Operating Units**), shall be, in accordance with Sec. 20 of the German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*), hived down to three separate subsidiaries via a hive down by absorption pursuant to Sec. 123 (3) (1) German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal legal succession, as well as in part by measures transferring or granting beneficial ownership (the **Operational Hive-down**; and the Agreement in Part A of this notarial deed entered into for its implementation, the **Operational Hive-down Agreement**). The Operating Unit KGaA Healthcare shall be hived down to HC OpCo. Immediately after the completion of the Operational Hive-down, all company shares in HC OpCo held by KGaA shall be hived down by way of a hive-down for the purpose of transfer to Merck Healthcare Holding GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany (the **Holding Hive-down**; the Agreement entered into for its implementation in Part B of this notarial deed, the **Holding Hive-down Agreement**). The Opera-

tional Hive-down and the Holding Hive-down shall each take place with economic effect as of January 1, 2018.

- (4) The Operational Hive-down and the related separation of the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim to three subsidiaries support the introduction of global, Business Sector-specific company management systems (**Enterprise Resource Planning systems** or **ERP systems**) for the German business. At the same time, the business activities of the Operating Units thus far operated within KGaA can be integrated more efficiently into the management of the global Business Sectors. In addition, the Operational Hive-Down, in conjunction with the subsequent Holding Hive-Down, serves to align the structure of the German business, which is currently managed within KGaA as “operational parent company” (*Stammhauskonzern*), with the globally applicable structural principles of the Group. These strengthen the Group’s ability to respond quickly and flexibly to available strategic development options as well as the adaptability of the Business Sectors to changes in the market environment. The Group’s global innovation and growth strategy is in this way also implemented in Germany.
- (5) The remaining German and foreign subsidiaries of KGaA – and thus the majority of its assets – will not be subject to the hive-down measures. The hive-down measures also do not aim at establishing “global sub-groups” under separate Business Sector holdings. The strategic management of the global Business Sectors Healthcare, Life Science, and Performance Materials shall continue to be carried out directly by KGaA.
- (6) Since the technical requirements for introducing the ERP systems at HC OpCo currently do not exist, the business operation of the Operating Unit KGaA Healthcare shall be leased back temporarily from HC OpCo to KGaA immediately after the legal effective date of the Operational Hive-down until the introduction of the ERP system, planned to take place in the beginning of 2019. This temporary lease(back) of the operation is subject to this Business Lease Agreement pursuant to Sec. 292 (1) (3) German Stock Corporations Act (the **Business Lease Agreement**). Corresponding Business Lease Agreements shall also be concluded by Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, (collectively with HC OpCo, regardless of the Business Sector, the **OpCos**, and each individually an **OpCo**) with KGaA. The overall management of the Operating Units by KGaA in its own name and for its own account, accompanied by the leaseback of operations by the OpCos, makes the separate operational control as well as mapping of the operational income and expenses for the OpCos in separate ERP



systems temporarily obsolete. Upon introduction of the ERP system at HC OpCo, the Business Lease as it relates to the Leased Operation Healthcare shall be terminated. The OpCos shall then conduct their business activity in their own name and for their own account.

- (7) The measures described above are part of a joint entrepreneurial concept and shall be presented to the Annual General Meeting of KGaA as a single transaction on April 27, 2018 for its approval. When registering the measures with the commercial register, the Parties will work to ensure that this Business Lease Agreement and the Holding Hive-down will be registered in the commercial register only after the Operational Hive-down has become effective.
- (8) If and to the extent that the Parties refer to the Operational Hive-down Agreement or its annexes (Annex A to this notarial deed) in this Business Lease Agreement, the content of the provisions to which reference is made and the annexes shall become an integral part of this Business Lease Agreement. The terms defined in the Operational Hive-down Agreement are used in the same meaning in this Business Lease Agreement.

NOW THEREFORE, the Parties conclude the following Business Lease Agreement:

### **A. Agreeing on the Business Lease**

#### **§ 1**

#### **Leased Operation**

- 1.1 HC OpCo shall lease, according to the stipulations of this Agreement, the entire operations of its company to KGaA (**Leased Operation**). KGaA shall manage the Leased Operation during the term of this Agreement in its own name and for its own account. Unless otherwise governed herein, the provisions of Sec. 581 et seq. German Civil Code (**BGB**) shall apply.
- 1.2 The domination and profit and loss transfer agreement existing between HC OpCo and KGaA shall remain unaffected by this Business Lease Agreement.

#### **§ 2**

#### **Legal Effective Date, Beginning Of The Lease**

The Agreement shall become effective upon registration in the commercial register of HC OpCo (**Legal Effective Date**). Notwithstanding the aforesaid, the lease shall become effective with retroactive economic effect as of January 1, 2018, 0:00 hours (**Beginning Of The Lease**). Hence, the Parties shall deem themselves in such position internally – in particular as regards the

payment of the rent and the usufruct from the Leased Operation – as if the lease was already in effect at this time.

## B. Subject Of The Lease

### § 3

#### Description of the Leased Items, general principles, granting possession

- 3.1 As described in more detail or referenced in § 3 to § 14 of the Operational Hive-down Agreement and in § 48 to § 51 of the Operational Hive-down Agreement, the subject of the lease includes all items and legal relationships of the assets and legal relationships of HC OpCo required to manage the Leased Operation. Excluded from the Lease shall be the receivables and legal relationships of the assets and liabilities of HC OpCo that shall be sold and transferred by HC OpCo to KGaA at the Beginning Of The Lease and sold back by KGaA to HC OpCo at the Lease End. Receivables from and liabilities to employees assigned to the Leased Operation shall be subject to § 20 and § 21. The items of the lease and legal relationships are referred to as **Leased Items** and the items and legal relationships transferred to KGaA are referred to as **Transferred Items**.
- 3.2 If the Leased Items and the Transferred Items can be recognized in the balance sheet, they are included in the segment balance sheet of the Operating Unit KGaA Healthcare as of January 1, 2018, 0:00 hours, derived from the audited financial statements of KGaA as of December 31, 2017, 24:00 hours, which is attached to the Operational Hive-down Agreement as Annex 3.3 (**Healthcare Hive-down Balance Sheet**). The subject of the lease and transfer also includes – subject to the special provisions of this Agreement, and if not excluded from the lease or the transfer – all items that are not required to be recorded in the balance sheet, that cannot be disclosed in the balance sheet, or that are actually not disclosed in the balance sheet attributable to the Leased Operation.
- 3.3 The additions and disposals of Leased Items and Transferred Items as well as other rights and obligations (including surrogates *in rem* or under the law of obligations of a Leased Item) during the period between the Beginning Of The Lease and the Legal Effective Date shall be taken into account for the lease or transfer according to the provisions below.
  - a) HC OpCo shall lease or transfer to KGaA the Assets and Liabilities Items in the broadest sense attributable to the Leased Operation which arise during the period from the Beginning Of The Lease to the Legal

Effective Date or were generated during said period and still exist at the Legal Effective Date.

- b) The Assets and Liabilities Items attributable in the broadest sense in terms of origin and intended purpose to the Leased Operation which were terminated, sold, or otherwise transferred during the period from the Beginning Of The Lease to the Legal Effective Date or that no longer exist on the Legal Effective Date shall not be leased or transferred to KGaA. Instead, they shall be substituted by the surrogates in rem or under the law of obligations existing as at the Legal Effective Date.
- 3.4 HC OpCo shall grant KGaA, at the Legal Effective Date, possession and/or physical control of the Leased Items and the Transferred Items and ensure that KGaA can obtain the benefits from the Leased Items in its own name and for its own account. Thus, KGaA shall obtain the agency implied in fact (*Schlüsselgewalt*) over the Leased Items.
- 3.5 If for individual Leased Items a lease is not legally permissible or is not feasible for any other reasons, HC OpCo shall exercise its rights arising from these Leased Items only as per the instructions of KGaA in its capacity as the lessee, and apart from that treat KGaA internally as a lessee of these Leased Items.

## § 4

### Intangible assets and know-how

- 4.1 HC OpCo shall lease to KGaA all Transferred Patent Rights Healthcare and Transferred Rights Of Use Healthcare described in detail in § 4.2 of the Operational Hive-down Agreement attributable to the Leased Operation and all know-how attributable only to the Healthcare Business Sector within the meaning of § 5 of the Operational Hive-down Agreement (collectively, the **Leased IP**), in particular the intangible assets listed in Annex 4.2.a and Annex 4.2.b to the Operational Hive-down Agreement.
- 4.2 Unless otherwise governed in § 4.3 and § 4.6, the lease of the Leased IP shall be carried out in accordance with the following licensing terms:
- a) HC OpCo shall grant KGaA a non-exclusive, worldwide, non-transferrable license restricted to the term of this Business Lease Agreement to use the Leased IP only within the scope of ordinary business operations of the Leased Operation.

- b) KGaA shall be authorized to grant sub-licenses for the Rights Of Use granted to it pursuant to § 4.2 lit. a) only within the scope of ordinary business operations of the Leased Operation.
  - c) The license granted pursuant to § 4.2 lit. a) shall lapse when the Business Lease Agreement is terminated. It can apart from that only be terminated insofar as the right of termination cannot be waived under the applicable laws.
  - d) The Rights Of Use granted pursuant to § 4.2 lit. a) shall lapse upon termination of the Business Lease Agreement. In this case, KGaA is obligated to immediately cease use of the licensed Leased IP pursuant to § 4.2 lit. a).
  - e) The Rights Of Use granted pursuant to § 4.2 lit. a) shall always apply only to the extent to which HC OpCo is authorized to dispose of them at the Legal Effective Date. The Rights Of Use granted pursuant to § 4.2 lit. a) shall have no impact on the licenses granted under the Leased IP to third parties and the rights and obligations of third parties or of HC OpCo governed therein.
  - f) § 17 of this Business Lease Agreement shall remain unaffected.
- 4.3 During the term of the business lease, KGaA shall be entitled to the trustor's rights and obligations resulting from the Trust Agreement (including the rights of use governed therein) established in § 4.3 lit. b) of the Operational Hive-down Agreement between KGaA and HC OpCo in respect of registered property rights, and shall fulfill these rights and obligations.
- 4.4 The Parties agree that, during the term of the business lease, the obligation of HC OpCo to cover the costs and to indemnify KGaA pursuant to § 4.6 and § 4.7 of the Operational Hive-down Agreement shall not apply.
- 4.5 The Parties agree that the Transferred Rights Of Use Healthcare as well as the Trust Agreements transferred as per § 4.3 lit. a) of the Operational Hive-down Agreement shall be transferred to KGaA for the term of the business lease by transferring the relevant contracts pursuant to § 9.
- 4.6 As far as HC OpCo has been granted rights of use in Shared IP Healthcare in accordance with § 4.4 of the Hive-down Agreement and know-how attributable not exclusively to the Healthcare Business Sector in accordance with § 5.2 of the Hive-down Agreement, KGaA shall exercise such rights for the duration of the business lease in its own right.

## § 5

### Tangible assets

- 5.1 HC OpCo shall lease to KGaA all tangible assets described in detail in § 6.1 to § 6.3 of the Operational Hive-down Agreement attributable to the Leased Operation and those tangible assets described in Annex 6.1 to the Operational Hive-down Agreement, including the low-value assets. This shall also apply if third-party title of ownership in the assets is reserved or HC OpCo has assigned such title to third parties as collateral.
- 5.2 As regards tangible assets of KGaA for which an intercompany service agreement pursuant to § 6.5 of the Operational Hive-down Agreement was concluded between HC OpCo and KGaA or another OpCo, KGaA shall be entitled to any and all rights arising from this service agreement during the term of the business lease.

## § 6

### Receivables

- 6.1 HC OpCo shall sell to KGaA all receivables attributed to the Leased Operation at the Beginning Of The Lease and described in § 7 of the Operational Hive-down Agreement, specifically those listed in Annex 7.2 to the Operational Hive-down Agreement, and shall assign them to KGaA. KGaA hereby accepts the sale and assignment. The sale of the receivables shall take economic effect at the Beginning Of The Lease at the carrying amounts disclosed in the commercial-law Healthcare Hive-down Balance Sheet for the overall item “Receivables and other assets.” The purchase price shall be due within four weeks of the Legal Effective Date of the business lease.
- 6.2 If an assignment of the receivables is not permissible or feasible, HC OpCo shall herewith grant KGaA the power to collect the relevant receivables, and the Parties shall be treated internally as if the relevant receivable had been effectively assigned (Trust Agreement as set out in § 1.4 of the Operational Hive-down Agreement).
- 6.3 After the termination of this Business Lease Agreement, KGaA shall be authorized and, at the request of HC OpCo, obligated, with effect from the termination of the agreement (**Lease End**), to sell to HC OpCo the receivables existing at the Lease End that are attributable to the Leased Operation in a corresponding application of the above stipulations, at the effective carrying amount at Lease End (to be determined according to the same principles as relate to sale under § 6.1). The purchase price shall be due within four weeks of the Lease End.

- 6.4 Any prepaid expenses existing at the Beginning Of The Lease or at the Lease End shall be settled upon payment of the purchase prices pursuant to § 6.1 and § 6.3 on the basis of the respective carrying amount.
- 6.5 In deviation from § 6.1, the provisions in § 20 and § 21 shall apply to employees' receivables.

## § 7

### Inventories

- 7.1 HC OpCo shall sell to KGaA all inventories and other current assets attributable in full or on a prorated basis to the Leased Operation, in particular raw materials, consumables and supplies, work in process and finished products and merchandise, irrespective of whether they are at sites, in transit or on consignment, particularly those described in detail in § 8 of the Operational Hive-down Agreement, and specifically those listed in Annex 8.3 to the Operational Hive-down Agreement. Inventories shall be sold on the Legal Effective Date with retroactive economic effect as of the Beginning Of The Lease at the carrying amounts disclosed in the commercial-law Healthcare Hive-down Balance Sheet for the overall item "Inventories." The purchase price shall be due within four weeks of the Legal Effective Date of the business lease.
- 7.2 The Parties agree that the title, possession, and all other rights to the inventory items sold in accordance with § 7.1 shall be transferred to KGaA at the Legal Effective Date. As far as, at the time of the transfer of the inventory items, third parties have rights reserved in these items or these items are transferred as collateral to third parties, HC OpCo shall transfer to KGaA at the Legal Effective Date the entitlement right in these items, its claims for surrender, if such claim exists, and all other claims to which it is entitled in this context.
- 7.3 If certain inventory items are in the possession of third parties at the Legal Effective Date, HC OpCo shall assign to KGaA its respective repossession rights.
- 7.4 If additional actions or declarations are required for the transfer of title or for granting possession, the Parties shall immediately arrange for what is necessary or required.
- 7.5 After the termination of this Business Lease Agreement, KGaA shall be authorized and, at the request of HC OpCo, obligated, with effect as of the Lease End, to sell to HC OpCo the inventories existing at the Lease End that are attributable to the Leased Operation in a corresponding application of the above stipulations, at the carrying amount then applicable (to be determined according to the same principles as relate to sale under § 7.1). The purchase price

shall be due within four weeks of the Lease End. HC OpCo shall have the right to limit the sale to such quantities as are necessary to continue the Leased Operation. Items from inventories whose resale HC OpCo has waived may be used or exploited by KGaA at the Lease End at its own discretion.

- 7.6 Both the inventories to be sold hereunder and the inventories to be sold back upon termination of this Business Lease Agreement shall be sold in each case in the condition in which they are at the time of sale to the respective other Party, without any warranty for defects. Warranty claims, regardless of their nature and regardless of the legal basis, shall herewith be excluded to the extent legally permissible.

## § 8

### Liabilities and provisions

- 8.1 KGaA shall take over from HC OpCo, with economic effect as of the Beginning Of The Lease, all liabilities and/or contingent and uncertain liabilities that are attributable to the Leased Operation and that are described in detail in § 9 of the Operational Hive-down Agreement, specifically those listed in detail in Annex 9.4.a and Annex 9.4.b to the Operational Hive-down Agreement.
- 8.2 Such assignment pursuant to § 8.1 excludes liabilities or contingent and uncertain liabilities that would be subject to prohibitions, restrictions, or assessment restrictions on the disclosure of certain items in the financial statements as set forth in Sec. 4f (1) s. 1 German Income Tax Code (*Einkommensteuergesetz - EStG*). If the legal ground on which such a liability is based is transferred to KGaA on the basis of a provision in this Agreement or by law, HC OpCo hereby, with economic effect as of the Beginning Of The Lease, enters into the liability according to the criteria established by the Federal Fiscal Court (*Bundesfinanzhof*) (decision dated April 25, 2012 - Case No. IV R 43/09, Federal Tax Gazette (*BStBl.*) II 2017, 1228) and the tax administration (German Federal Ministry of Finance (*BMF*) on November 30, 2017 - Case No. IV C 6-S 2133/14/10001, *BStBl.* I 2017, 1619) and takes over the fulfilment thereof in the internal relationship with KGaA (Sec. 329 *BGB*).
- 8.3 For the liabilities to be assigned to and accepted by KGaA pursuant to § 8.1, taking § 8.2 into account, HC OpCo shall pay to KGaA a compensation that corresponds to the commercial-law carrying amounts disclosed in the Healthcare Hive-down Balance Sheet for these overall items (*negative purchase price*). The negative purchase price is due within four weeks of the Legal Effective Date of the business lease.
- 8.4 After the termination of this Business Lease Agreement, KGaA shall be authorized and, at the request of HC OpCo, obligated, with effect as of the Lease

End, to sell to HC OpCo the liabilities existing at the Lease End that are attributable to the Leased Operation under § 8.1 and § 8.2, in a corresponding application of the above stipulations (with determination of the effective carrying amount according to the same principles as relate to sale under § 8.3). The negative purchase price falls due within four weeks of the Lease End.

- 8.5 Any deferred income existing at the Beginning Of The Lease or at the Lease End shall be settled upon payment of the purchase prices pursuant to § 8.3 and § 8.4 on the basis of the respective carrying amount.
- 8.6 In deviation from § 8.1, the provisions in § 20 and § 21 shall apply to liabilities due to employees.

## § 9

### Entering into contracts and contract offers

- 9.1 Within the scope of the business lease, KGaA shall assume all Transferred Contractual Relationships Healthcare attributable to the Leased Operation and described in more detail in § 10 of the Operational Hive-down Agreement, in particular those listed in Annex 10.2 to the Operational Hive-down Agreement, by way of assumption of contract with discharging effect. The assumption of contract takes place with economic effect as of the Beginning Of The Lease, but in each case in the form and with the content of the contractual relationships existing at the Legal Effective Date. The retransfer of the contractual relationships attributable to the Leased Operation at the Lease End shall take place in accordance with § 9.5 of this Agreement.
- 9.2 Contractual relationships that are not attributable to the Leased Operation, particularly partnership agreements, domination and profit and loss transfer agreements, or agreements about silent partnerships shall not be transferred.
- 9.3 To the extent that the transfer of the contractual relationships requires the consent of a third party, in particular the respective contractual partner in the transferred contracts, HC OpCo and KGaA shall make their best efforts to obtain such consent immediately.
- 9.4 If and to the extent that a transfer of the contracts, contract offers, entitlements, or similar legal matters with discharging effect is not feasible or is not feasible in such manner that it becomes effective at the Beginning Of The Lease, KGaA shall assume any and all obligations resulting from such contracts, contract offers, entitlements, or similar legal matters. HC OpCo shall assign all claims and rights resulting from these contracts, contract offers, entitlements, or similar matters to KGaA. In addition, the Parties shall treat each other internally as if the assumption with discharging effect of the contracts,



contract offers, entitlements, and similar legal matters had occurred externally with effect as of the Beginning Of The Lease; in particular, risks, benefits, and obligations are considered transferred as of the Beginning Of The Lease. If and to the extent required, HC OpCo shall continue the relevant contractual relationship on a trust basis in its own name for the account of KGaA and, as far as legally possible, assign to KGaA the contractual relationship or the benefit resulting from the contractual relationship during the term of the business lease. In addition, HC OpCo is obligated, as far as legally possible, to grant to KGaA the power of attorney to exercise rights as they relate to the respective contractual relationship or to assign the corresponding rights to KGaA for exercise. Insofar as KGaA cannot exert a legal position effectively in external relationships, HC OpCo shall act as agent and trustee for KGaA (***Trust Agreement***).

- 9.5 Upon termination of this Business Lease Agreement, HC OpCo shall assume from KGaA, with economic effect as of the Lease End, the contractual relationships existing at the Lease End that can be functionally assigned to the Leased Operation, within the scope legally permissible. § 9.3 and § 9.4 shall apply accordingly.
- 9.6 When obtaining consent pursuant to § 9.3, the Parties shall endeavor, to the extent appropriate, to obtain consent for the retransfer of the contract to HC OpCo upon termination of the business lease pursuant to § 9.5 at the same time. In addition, KGaA shall, for all contracts newly concluded during the business lease, to the extent appropriate, undertake to obtain consent from the contractual partner for the transfer of the contract to HC OpCo upon termination of the business lease pursuant to § 9.5.
- 9.7 During the term of the business lease, KGaA shall be entitled to the trustor's rights and obligations resulting from the Trust Agreement between KGaA and HC OpCo in the meaning of § 49.2 of the Operational Hive-down Agreement ("Shared Agreements").

## § 10

### Litigation and legal proceedings

- 10.1 To the extent that the Leased Items or Transferred Items under this Agreement relate to litigation and legal proceedings specified in § 12.1 to § 12.4 of the Operational Hive-down Agreement, listed in particular in Annex 12.3 to the Operational Hive-down Agreement, are transferred to HC OpCo in the course of the hive-down, HC OpCo shall retransfer such litigation and legal proceedings to KGaA for the duration of the business lease.

- 10.2 With the litigation and other legal proceedings subject to § 10.1, the advisory and contractual relationships with third parties related thereto shall also be transferred to KGaA.
- 10.3 To the extent that, according to the provisions of the applicable procedural rules, the transfer of party status from HC OpCo to KGaA in full depends on other circumstances, such as the consent of the other participant(s) in the proceedings, the Parties shall work towards these steps being taken and towards KGaA replacing HC OpCo as a party in the litigation and other procedural legal relationships subject to this provision.
- 10.4 If no change of party pursuant to § 10.1 or § 10.3 occurs, HC OpCo shall continue the proceedings as the institution of legal standing. Proceedings shall be conducted for the account of KGaA. Internally, the ongoing management of proceedings shall be assumed by KGaA. HC OpCo shall thus not conduct any procedural acts (in particular agree on any settlement, waiver, acknowledgement, confession, withdrawal, or amendment of actions) without the prior consent of KGaA. KGaA shall indemnify HC OpCo with regard to any liabilities and costs resulting from any litigation and other procedural legal relationships that are subject to this provision. HC OpCo shall support KGaA in such proceedings with the objective of minimizing the economic damage resulting from the proceedings.
- 10.5 KGaA hereby undertakes already to transfer the litigation and legal proceedings assigned to the Operating Unit KGaA Healthcare pursuant to § 10.1 and such litigation and legal proceedings in the meaning of § 10.1 that are re-established until the Lease End to HC OpCo with effect as of the termination date of this Business Lease Agreement. § 10.2 to 10.4 shall apply *mutatis mutandis* to the rescission of the Lease.

## § 11

### Memberships

- 11.1 HC OpCo shall transfer to KGaA any memberships that are transferred to HC OpCo as part of the Operational Hive-down as set out in § 13 of the Operational Hive-down Agreement, taking into account any terminations or re-establishments during the period between the Beginning Of The Lease and the Legal Effective Date.
- 11.2 Insofar as a membership to be transferred (in part) to HC OpCo under § 13 of the Operational Hive-down Agreement has not been assigned or transferred to HC OpCo in the course of the hive-down, it shall remain with KGaA for the term of the business lease and shall be transferred to HC OpCo upon termination of the business lease. If a transfer of such memberships is not possible

even after termination of the business lease, KGaA shall support HC OpCo in re-applying for these memberships, assuming that such a membership is required and desired.

## § 12

### **Permits and approvals required under public law, operator responsibility**

- 12.1 As part of the Operational Hive-down, KGaA and HC OpCo have entered into a Trust Agreement in the meaning of § 1.4 of the Operational Hive-down Agreement with respect to the permits relating to the operations of HC OpCo and specified in Annex 48.2 of the Operational Hive-down Agreement, under which KGaA holds the permits as a trustee exclusively for or also for the HC OpCo. KGaA shall be entitled to the trustor's rights and obligations resulting from this Trust Agreement during the term of this Business Lease Agreement.
- 12.2 During the term of the business lease, KGaA shall remain the operator and owner of the permits for the facilities, land, and equipment of the Leased Operations with all associated rights and obligations, and shall exercise in its previous scope unrestricted physical control and right of disposal over all facilities, land, and equipment of the Leased Operation. During the term of the business lease, KGaA shall be responsible for complying with all environmental and public law provisions and requirements of the respective approvals that are associated with its position as operator (including such requirements as are relevant for supplying leased plants or for removing waste water and waste and, if relevant, legal requirements regarding incidents). KGaA shall also continue to be the sole contact in this context for the competent authorities and third parties and to conduct proceedings and consultations under environmental and approval-related law with authorities and third parties as the responsible party and in its own name. KGaA remains during the term of the business lease the legal owner of all permits under product law in the meaning of § 48.7 of the Operational Hive-down Agreement. KGaA shall continue to fulfill all obligations associated with these permits and shall ensure quality management.
- 12.3 The transfer or re-application for approvals after the termination of the business lease shall be based on the provisions in § 48.8 and § 48.9 of the Operational Hive-down Agreement.

### **C. Legal position of KGaA**

#### **§ 13**

#### **General rights and obligations of KGaA**

- 13.1 KGaA shall have the right and obligation to continue to manage and operate the Leased Operation according to the detailed provisions of this Agreement from the Legal Effective Date in its own name and for its own account. KGaA shall be entitled to all products from the Leased Operation and may dispose of them freely. KGaA shall be responsible for procuring all media necessary to operate the Leased Items at its own expense.
- 13.2 KGaA shall be solely responsible for managing and operating the Leased Operation with the due diligence of a responsible and prudent manager. KGaA shall in so doing comply with and take into account in particular the statutory provisions, the official permits, including the requirements and conditions contained therein, as well as codes of practice. As far as impairments of third parties originate from the Leased Operation, KGaA shall indemnify HC OpCo from all claims brought forward against it. If other licenses, permits, approvals, or permissions are required under public law, KGaA shall obtain such documents in coordination with HC OpCo unless otherwise agreed; HC OpCo shall make their best efforts to support KGaA in doing so.
- 13.3 KGaA shall be responsible for all measures necessary to ensure the legal obligation to maintain safety and all other obligations associated with the possession of the Leased Operation as regards public traffic. KGaA shall also indemnify HC OpCo in this respect from all claims of third parties. Administrative orders shall be satisfied by KGaA promptly. § 12.2 and § 12.3 of this Agreement shall remain unaffected.
- 13.4 All non-recurring or recurring public law or private law charges, levies, and dues arising from the Leased Operation shall be borne by KGaA for the term of this Agreement.
- 13.5 The shareholder rights arising from financial assets transferred from KGaA to HC OpCo pursuant to § 7.1 and § 7.2 of the Operational Hive-down Agreement will be exercised by HC OpCo on instructions from KGaA during the term of the business lease.
- 13.6 The Leased Operation may only be sublet with the prior written consent of HC OpCo.

**§ 14****Maintenance and repair, alterations**

- 14.1 KGaA is obligated to treat the leased items with due care, to service, maintain, and repair them at their own expense.
- 14.2 KGaA may only modify the leased items if such modifications are in compliance with the principles of proper management. In particular, it may take, within the scope of the purpose of this Agreement, all measures necessary for rationalization. Within the scope of proper management, KGaA shall be authorized to decommission or dismantle individual Leased Items.
- 14.3 HC OpCo shall authorize KGaA to undertake legal dispositions relating to the leased items for use that are within the scope of proper management, taking into account the purpose of this Agreement.
- 14.4 Measures of material economic significance that are taken in accordance with § 14.2 and § 14.3, such as the demolition or not only temporary decommissioning of plants or major changes in the business structure of the Leased Operation, shall require the consent of HC OpCo.
- 14.5 With regard to the other provisions and uncertain liabilities that are transferred from HC OpCo to KGaA pursuant to § 8, the Parties agree that, in case of unscheduled and considerable changes in the value of the legal positions or circumstances on which they are based, an equalization should be effected between the Parties. A claim for equalization exists if, (i) according to the applicable provisions set forth in the German Commercial Code (*Handelsgesetzbuch - HGB*), the amount of the other provisions and uncertain liabilities shall be corrected in an individual case by at least EUR 100,000.00 compared to the respective value on which it was based at the Beginning Of The Lease, and, (ii) when netting all value changes as per the preceding clause (i) in a financial year in favor of one of the contractual parties, a positive balance totaling EUR 2,000,000.00 or more results. The party that is the beneficiary of the other contractual party is obligated to pay a compensation (equalization) in the amount of this positive balance. The settlement for each lease year shall take place by March 31<sup>st</sup> of the following year.
- 14.6 § 17 of this Agreement shall prevail in respect of changes during the term of the lease as regards the Leased IP.

**§ 15****Investments**

- 15.1 Investments in terms of the provisions below include any and all expenses which, in consideration of the accounting principles of HC OpCo, constitute acquisition costs or costs of production to be capitalized as set forth in Sec. 255 (1) or (2) *HGB* with regard to the fixed assets of HC OpCo. KGaA shall be authorized, as specified in the provisions below, to make investments (replacement and expansion investments) for HC OpCo for the account of HC OpCo.
- 15.2 Replacement investments shall be made according to the principles of proper management. The decision on expansion investments shall be made at the reasonable discretion of KGaA subject to the sentence below. Major expansion investments shall require the consent of HC OpCo.
- 15.3 The Parties agree that the title of ownership in the items acquired by way of replacement and expansion investments for the account of HC OpCo as specified above shall appertain to HC OpCo (and they thus, at the same time, become a surrogated or new integral part of the Leased Item as specified in this Business Lease Agreement). If HC OpCo does not directly obtain the title of ownership in the investment objects, the Parties agree that ownership passes to HC OpCo at the time of acquisition/production (agreeing on anticipated constructive possession and proxy purchase by way of an anticipated in rem agreement). For the purpose of such transfer of title, KGaA shall document the investment and record the acquired items in a list format, taking into account the principle of legal certainty under property law.
- 15.4 The rent shall increase accordingly by the depreciation amounts determined in accordance with the *HGB* calculated on a monthly basis at HC OpCo resulting from the capitalization of the newly capitalized and, as scheduled, cumulatively depreciated replacement and expansion investments and the depreciation on low-value items.
- 15.5 If further explanations or actions are required to make the investments described above, the Parties shall undertake to obtain and do what is necessary without any undue delay. As a purely precautionary measure, HC OpCo hereby revocably authorizes KGaA to represent it when making replacement or expansion investments, as is necessary or appropriate for any direct transfer of the title of ownership in the acquired items to HC OpCo.

## § 16

### Goodwill

- 16.1 The Parties make clear that HC OpCo shall at all times remain the sole beneficial owner of any goodwill attributable to the Leased Operation (**Goodwill**) in its individual form during the entire term of the lease and even after termination of the lease, and is leased for use to KGaA as part of the Leased Item for the term of the lease only for a limited period of time. This shall apply in particular even if the existing goodwill increases in full or in part or is replaced by new goodwill during the term of the lease as a result of activities or outlays by KGaA.
- 16.2 Even if the amount of the goodwill was affected by the activities of KGaA during the term of the lease, the Parties agree – in accordance with the statutory fundamental classification of the lease as a lease of use for a limited period of time – that KGaA, upon termination of the lease, shall not be required to pay any compensation whatsoever for any increases in value of the Leased Items, including goodwill, and HC OpCo may utilize the Leased Items including goodwill immediately and without any restrictions, in particular, without any obligation to pay any compensation (cf. also Federal Court of Justice (*BGH*) dated May 12, 1986 – Case No. II ZR 11/86; Federal Fiscal Court (*BFH*) dated January 30, 2002 – Case No. X R 56/99).

## § 17

### IP rights

- 17.1 The Parties make clear that HC OpCo shall at all times remain the sole beneficial owner of the entire Leased IP during the entire term of the lease and even after its termination and that the Leased IP is leased for use to KGaA as part of the Leased Operation for the term of the lease only for a limited period of time.
- 17.2 KGaA shall be authorized and obligated to maintain, manage, monitor, defend, and enforce against any infringers the Leased IP during the term of the lease at its own expense within the scope of proper management. It may also commission third parties for this purpose (e.g., Merck Patent GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany). A sale or pledging, encumbrance or renunciation of Leased IP shall only be admissible with the prior written consent of HC OpCo. KGaA shall be responsible during the term of the lease for the periodic review of the countries in which Leased IP is registered or maintained; KGaA shall manage the Leased IP in such manner that the business is protected in an economically reasonable and appropriate manner. In the event of contradictions between the Trust Agreement

HC OpCo and KGaA entered into and this Agreement in respect of certain items of the Leased IP, the provisions in this Agreement shall prevail.

- 17.3 All findings, inventions, materials, items, procedures, software codes or programs, data, know-how, or other development results that arise or are created during the term of the lease within the scope of the Leased Operation, including all existing rights therein, particularly all intellectual property (hereinafter **Foreground IP**), are subject to the sole beneficial ownership of HC OpCo as of emergence, during the entire term of the lease, and also after termination of the lease, and become part of the Leased IP without KGaA having to pay any compensation during or after the termination of the lease (cf. also *BGH* dated May 12, 1986 – Case No. II ZR 11/86; *BGH* dated March 4, 1964 – Case No. VIII ZR 155/62). For Foreground IP that, at the same time, meet the prerequisites of a replacement or expansion investment as defined in § 15.1 and that require capitalization pursuant to Sec. 246 (1) s. 1 and 2, Sec. 248 (2) s. 1, Sec. 255 *HGB* at HC OpCo if the replacement or expansion investment was made by HC OpCo itself (particularly, the acquisition of Foreground IP for consideration), § 15 shall apply accordingly. The rent shall increase accordingly by the depreciation amounts determined in accordance with the *HGB* calculated on a monthly basis at HC OpCo resulting from the capitalization of the newly capitalized and, as scheduled, cumulatively depreciated replacement and expansion investments.
- 17.4 The Parties agree that sole beneficial ownership of inventions as specified in the German Employee Invention Act (*Gesetz über Arbeitnehmererfindungen - ArbNErfG*) that are used during the term of the lease within the scope of the Leased Operation pursuant to Sec. 6 *ArbNErfG* appertains to HC OpCo (and that such inventions thus become part of the Foreground IP as well). The provision in § 17.3 regarding employee inventions shall apply accordingly.
- 17.5 Trademarks and brands that arise or are created during the term of the lease within the scope of the Leased Operation and that are used exclusively within that scope shall also appertain to HC OpCo for sole beneficial ownership from its emergence during the entire term of the lease and also after the termination of the lease and become part of the Leased IP, without KGaA having to pay any compensation during or after the termination of the lease. The provisions in § 17.3 shall apply accordingly.
- 17.6 KGaA shall take all actions necessary in order that HC OpCo or a trustee appointed by HC OpCo is able to exercise the legal ownership rights in the Foreground IP and the trademarks and brands designated in § 17.5 and, in particular, conduct registration of any industrial property rights. § 17.2 applies accordingly.



## § 18

### Insurance policies

- 18.1 During the term of the lease, KGaA shall bear the costs incurred for insurance coverage for HC OpCo and the Leased Operation pursuant to § 14 of the Operational Hive-down Agreement. KGaA is obligated to maintain the insurance coverage during the entire term of the Agreement to the extent economically corresponding to the amount of coverage of the insurance policies at the Beginning Of The Lease. If circumstances arise during the term of the Agreement that result in an increase in the insurance coverage, e.g., due to any changes in risks or increases in value of the Leased Items, the insurance policies shall be modified accordingly.
- 18.2 As for direct insurance policies and obligations to pension schemes, the provisions in § 21 shall apply.

## § 19

### Warranties and liability

KGaA is aware of the condition of the Leased Operation and the items attributable to it. It shall assume the Leased Operation, Leased Items, and Transferred Items (§ 3.1) in the condition in which they are at the Legal Effective Date. Warranty claims, regardless of their nature and regardless of the legal basis, shall be excluded, to the extent legally permissible. This shall also apply in particular to any claims under pre-contractual breaches of duty, violations of contractual duties, and/or breaches of contractual, pre-contractual or statutory obligations. Any rights of revocation shall be excluded as well.

## D. Employment relationships and pension obligations

## § 20

### Transfer of the employment relationships

- 20.1 With economic effect as of the Beginning Of The Lease, the employment relationship of the employees transferred to HC OpCo pursuant to § 11.1 s. 1 of the Operational Hive-down Agreement shall be retransferred to KGaA as set out in Sec. 613a *BGB* with all rights and obligations (**Transitioning Employees**).
- 20.2 KGaA is responsible vis-à-vis HC OpCo for indemnifying HC OpCo from any obligations entered into before the Beginning Of The Lease or obligations arising during the lease from the employment relationships of the Transitioning Employees, unless expressly governed otherwise in this Agreement. If Transi-

tioning Employees bring forward any claims against HC OpCo created before the Beginning Of The Lease and/or during the lease, KGaA shall indemnify HC OpCo against such claims.

- 20.3 HC OpCo shall reimburse KGaA for any obligations transferred to KGaA resulting from the Transitioning Employees' employment relationships that arose before the Beginning Of The Lease in accordance with § 8, unless otherwise set forth in the provisions below. If the transferred obligations resulting from the Transitioning Employees' employment relationships do not arise until after the Beginning Of The Lease, yet relate to a time period in part before and in part after the Beginning Of The Lease, reimbursement shall relate to the assessment period prior to the Beginning Of The Lease. As regards the financial compensation for assuming the pension commitments, time accounts and HR-related provisions (specifically, for anniversary bonus payments and vacation provisions) due to the Transitioning Employees, the provisions in § 21 shall prevail.
- 20.4 Upon termination of this Business Lease Agreement, the employment relationships of the employees who at the effective date of the termination of the agreement are assigned to the Leased Operations shall transfer with all rights and obligations to HC OpCo as detailed in Sec. 613a *BGB*. As regards the compensation for the obligations to be assumed by HC OpCo resulting from the employment relationships transferring pursuant to Sec. 613a *BGB*, the reimbursement mechanism set forth in § 20.2 and § 20.3 shall apply accordingly.

## § 21

### **Pension obligations, time account agreements, and Assumption of Joint Liability**

- 21.1 Upon KGaA's assuming the employment contracts of the Transitioning Employees in accordance with § 20.1, all rights and obligations arising from the pension commitments into which HC OpCo entered (***Pension Commitments***), as defined in the German Company Pension Act (*Betriebsrentengesetz*), shall be transferred to KGaA. Not included in the transition to KGaA are the pension commitments from terminated employment relationships pursuant to § 11.2 of the Operational Hive-down Agreement, which remain with HC OpCo even during the existence of the Business Lease Agreement.
- 21.2 For the Pension Commitments assumed from HC OpCo which arise from the Transitioning Employees' employment relationships that were agreed upon before the Beginning Of The Lease, KGaA shall receive compensation according to the following provisions.

- 21.3 HC OpCo hereby declares an assumption of joint liability (*Schuldbeitritt*) in respect of all direct commitments to the Transitioning Employees (**Secured Direct Commitments**) in accordance with the agreement on the assumption of joint liability in **Annex 21.3** with the full obligation to perform internally (**Assumption Of Joint Liability Healthcare**) with economic effect as of the Beginning Of The Lease according to the criteria established by the *Bundesfinanzhof* (decision dated April 25, 2012 – Case No. IV R 43/09 *BStBl. II* 2017, 1228) and the tax administration (German Federal Ministry of Finance (*BMF*) on November 30, 2017 - Case No. IV C 6-S 2133/14/10001, *BStBl. I* 2017, 1619). The Secured Direct Commitments shall be secured by way of a Contractual Trust Arrangement (**CTA**) of HC OpCo. The CTA Trust Agreement is attached as Annex 11.8.a to the Operational Hive-down Agreement. The rights and obligations arising from the Assumption Of Joint Liability Healthcare and the CTA shall be governed exclusively by the assumption of joint liability agreement and the CTA trust agreement.
- 21.4 As a consequence of the Assumption Of Joint Liability Healthcare, the Secured Direct Commitments shall remain the sole financial responsibility of HC OpCo even after the Beginning Of The Lease, and shall continue to be recorded there and secured by way of the CTA of HC OpCo. Given these facts, no assignment or reclassification of trust assets arising from the CTA of HC OpCo to the CTA of KGaA shall be made and no compensation payments shall be due payable to KGaA by HC OpCo. As a result of the joint and several liability of HC OpCo externally arising from the Assumption Of Joint Liability Healthcare and the indemnification of KGaA by HC OpCo as relates to the obligation to perform internally, the financial compensation between the Parties is deemed settled in full.
- 21.5 As regards the pension commitments that are handled by an external pension provider (**External Pension Entitlements**), no financial resources shall be transferred upon KGaA assuming the Transitioning Employees' employment relationships pursuant to § 20.1. Instead, KGaA and HC OpCo entered into a trust agreement within the meaning of § 1 (4) of the Operational Hive-down Agreement regarding the legal positions in respect of the external pension providers in accordance with Annex 11.9 of the Operational Hive-down Agreement, according to which KGaA holds the legal positions vis-à-vis the external pension providers in trust for HC OpCo. The Transitioning Employees shall remain beneficiaries or employees entitled to pension benefits by the external pension provider, respectively. During the term of the business lease, KGaA shall be entitled to the trustor's rights and obligations (including the rights of use governed there) resulting from the collective Trust Agreement established in § 11.9 of the Operational Hive-down Agreement between KGaA and HC OpCo in respect of the External Pension Entitlements, and shall fulfill these rights and obligations. The Parties agree that, during the term of the business

lease, the obligation of HC OpCo to cover the costs and to indemnify KGaA pursuant to the Trust Agreement shall not apply.

- 21.6 Upon termination of the Business Lease Agreement, HC OpCo shall continue the External Pension Entitlement for the employees transferring to HC OpCo according to § 20.4. For this purpose, upon consent of the external pension provider, it shall take the further steps necessary. Insofar as legal positions vis-à-vis external pension providers transition to HC OpCo in this context that are the subject of the Trust Agreement referred to in § 21.5, KGaA and HC OpCo shall terminate the Trust Agreement in accordance with the stipulations in the Trust Agreement and transfer the legal positions to HC OpCo - subject to consent of the respective external pension provider. § 5 of the Trust Agreement referred to in § 21.5 shall remain unaffected. As far as such an agreement is not reached with the external pension provider, KGaA shall ensure that HC OpCo is placed in a position as if such an agreement had been concluded, namely by providing a position as insured party towards the direct insurance companies and providing a status as treasury entity (*Kassenfirma*) at the Pension Fund for German Business (*Pensionskasse für die Deutsche Wirtschaft VVaG, PKDW*).
- 21.7 Liabilities and funds for financing Pension Commitments relating to active or former employees of HC OpCo who are not Transitioning Employees shall remain with HC OpCo unless expressly agreed otherwise in this Agreement, and no payment, compensation, or indemnification of any kind shall be made.
- 21.8 The provisions of this § 21 shall apply accordingly to employees who were hired by KGaA after the Legal Effective Date, who are assigned to the Leased Operation, and who have been granted a Pension Commitment, in particular a Direct Commitment within the meaning of § 21.3 of this Business Lease Agreement. If the employees in the meaning of s. 1 receive a Pension Commitment that is performed by an external pension provider, the associated legal positions shall be included in the Trust Agreement in the meaning of § 11.9 of the Operational Hive-down Agreement. The instruction in the meaning of § 1.2 of the Trust Agreement is hereby granted by HC OpCo.
- 21.9 In respect of the obligations from time accounts, HC OpCo also declares an Assumption Of Joint Liability together with an obligation to perform according to the provisions of **Annex 21.3**, which is thus covered by the Assumption Of Joint Liability Healthcare. These obligations from time accounts are also secured against insolvency via a CTA of HC OpCo. There shall be no further compensation for the obligations from time accounts. Apart from that, the provisions regarding the Assumption Of Joint Liability Healthcare in this § 21 shall apply *mutatis mutandis* to securing the time accounts.

- 21.10 In addition, HC OpCo declares an assumption of joint liability with an obligation to perform for other personnel-related provisions (in particular, anniversary bonus payments and vacation provisions) according to the provisions in Annex 21.3, which are thus also covered by the Assumption Of Joint Liability Healthcare. The provisions regarding this Assumption Of Joint Liability Healthcare shall also apply accordingly to safeguard these other personnel-related provisions, however, with the particularity that there is currently no CTA guarantee for these obligations and there is also no obligation to initiate such a CTA guarantee.

## E. Consideration and term

### § 22

#### Rent

- 22.1 KGaA shall pay HC OpCo an annual rent for the lease of the Leased Items; this rent is made up of
- a) the total of the depreciation of the Leased Items for the corresponding year of lease pursuant to the *HGB*;
  - b) plus interest on the average bound equity on the commercial balance sheet of HC OpCo (i.e., equity at the beginning of the year plus equity at the end of the year, divided by two) totaling 7% p.a.; and
  - c) as far as legally owed, the value-added tax due on this rent.
- 22.2 The provisions in this Business Lease Agreement regarding the assumptions of joint liability or obligations to perform (e.g., pension provisions) and adjustment of the rent for investments shall remain unaffected by the provision in § 22.1.
- 22.3 KGaA shall pay monthly advance payments on the 15<sup>th</sup> of each following month. The final settlement for each lease year shall be determined by March 31<sup>st</sup> of the following year. The amount of the installments shall be determined *pro rata temporis* based on the amount of the last agreed annual fee. During the period until the advance payments are calculated in accordance with sentence 3 above, the monthly advance payments shall be jointly determined by the Parties using a forecast based on the comparative 2017 values or the prognostic estimate for 2018.

**§ 23****Effective date of the Agreement**

- 23.1 The Business Lease Agreement shall become effective upon registration in the commercial register of HC OpCo. The Parties to this Agreement shall ensure that this Agreement becomes effective in direct time proximity to but only after the Operational Hive-down. The contract is also subject to the condition precedent of the Operational Hive-down becoming effective by way of registration in the commercial register of KGaA.
- 23.2 Each Party may revoke this Agreement effective immediately if the Business Lease Agreement has not come into effect by the end of the day on February 28, 2019 by way of registration in the commercial register of HC OpCo.

**§ 24****Term of contract and termination**

- 24.1 The Business Lease Agreement is concluded indefinitely. The Business Lease Agreement may be terminated by each Party in writing giving two-month notice as per the end of the month.
- 24.2 This Agreement may be also terminated by each Party without prior notice for cause. A termination without notice must also be in writing. Cause with regard to the termination without prior notice by HC OpCo shall be given, in particular, if
- a) KGaA sustainably exceeds its right of use pursuant to § 13,
  - b) KGaA is three months in arrears with a payment to be made pursuant to § 22, or
  - c) insolvency proceedings are opened in respect to the assets of KGaA.

**§ 25****Consequences of termination of the Agreement, unwinding**

- 25.1 Upon termination of this Business Lease Agreement, KGaA shall transfer to HC OpCo the Leased Operation together with the Leased Items attributable to it at the time of the Lease End, including Leased Items acquired or created by way of maintenance, replacement, and expansion investments, in such condition that corresponds to the condition under proper management continued until the Lease End. In addition, KGaA shall transfer the Leased Items to HC OpCo in functional condition. HC OpCo shall, upon termination of the Busi-

ness Lease Agreement, assume operational management of the Leased Operation and from then on exercise such power in its own name.

- 25.2 The assumption of the contracts and contract offers by HC OpCo upon termination of this agreement shall be subject to § 9.5 and § 9.6; the transfer or re-application for permits and approvals under public law to or for HC OpCo shall be governed by § 12.3. Any resale of the inventories to HC OpCo shall be subject to § 7.5 and § 7.6; the resale of the liabilities and assets (including uncertain liabilities, regardless of whether provisions were recorded for them or not) shall be subject to § 6.3 and § 8.4. As for Goodwill and the Foreground IP, the provisions in § 16 and § 17 shall apply. § 10.5 shall apply to litigation and legal proceedings. The transfer of the employment relationships from KGaA to HC OpCo associated with the termination of the Business Lease Agreement attributable to the Leased Operation upon termination of the Business Lease Agreement shall be governed by § 20.4.
- 25.3 For the purpose of unwinding the business lease, including settlement of rent in line with the duration of the lease, KGaA and HC OpCo shall compile closing accounts of HC OpCo and a pro forma balance sheet for the Leased Operation as at the Lease End.
- 25.4 Moreover, the provisions of this agreement regarding the implementation of the lease shall apply *mutatis mutandis* to its unwinding. The Parties shall support each other in implementing the necessary steps for the unwinding of this Agreement.

## **F. Final provisions**

### **§ 26**

#### **Third-party notifications, collaboration, and support**

- 26.1 HC OpCo and KGaA shall notify third parties, in particular customers and suppliers of HC OpCo, as far as it has not already done so, about the lease of the operation of HC OpCo to KGaA and the changed service relationships in an appropriate manner.
- 26.2 HC OpCo and KGaA shall collaborate in ensuring transfer of the Leased Items without interrupting operations and, in particular, shall submit any necessary or reasonable notifications to third parties and authorities.
- 26.3 HC OpCo shall make available to KGaA any documents, deeds, and evidence necessary for operating the Leased Items in physical or electronic form. Trade and operating secrets, as well as any other statutory requirements, in particular

the provisions of the German data protection and privacy law, shall be adhered to.

- 26.4 KGaA shall inform HC OpCo promptly about business transactions or events materially affecting the Leased Operation. This includes, *inter alia*, entering into and ending litigation materially affecting the Leased Operation, or the revocation or imminent revocation of product approvals.

## § 27

### Severability; scope of contract

- 27.1 If individual provisions in this Agreement are ineffective or unenforceable, the effectiveness of the remaining provisions shall remain unaffected. The ineffective or unenforceable provision shall be replaced by such provision which the Parties mutually agree on coming closest to the economic purpose pursued with the ineffective or unenforceable provision. The same shall apply in regard to any omissions in this Agreement.
- 27.2 If circumstances arise after concluding this Agreement as a result of which the purpose of the Agreement cannot be achieved to a substantial and sustainable extent, in particular if new statutory provisions render it permanently impossible to execute the Agreement, the Parties shall make all efforts to find another solution which serves to achieve the purpose of the Agreement.
- 27.3 The preamble and the annexes shall be integral parts of this Agreement.

## § 28

### Loyalty Clause

- 28.1 Upon conclusion of this Agreement, not all factual and legal aspects that may arise, in particular from future technical and economic developments, from any changes in statutory regulations, or other circumstances essential for the contractual relationship can be predicted and covered exhaustively. The Parties agree that the principles of commercial loyalty shall apply to their collaboration. They mutually represent to fulfill the contractual agreements in this spirit and to take into account accordingly any changes in the situation that may become necessary in the future.
- 28.2 If there are doubts regarding the allocation of the Leased Items as regards their attribution in individual cases, such situation shall be resolved based on the purpose of the Agreement.
- 28.3 In the event that in executing this Agreement under the conditions mentioned above undue hardship occurs for one Party or the other, both Parties shall



bring about an amicable understanding that takes into account the economic purpose of this Agreement according to the principles of reason and fairness.

## **§ 29**

### **Obligations to cooperate**

HC OpCo and KGaA shall make all declarations, execute all deeds, and perform any other acts that may be necessary or appropriate in connection with the lease of the Leased Operation described in this Agreement.

## **§ 30**

### **Written form requirement**

Any modifications to or amendments of this Business Lease Agreement, including the waiver of this written form requirement, shall be in writing, except where a stricter form is required.

## **§ 31**

### **Costs**

The costs of preparing, notarizing, and implementing this Business Lease Agreement shall be borne by KGaA. The costs of the meeting of shareholders of HC OpCo as well as the costs of applying for registration and registration of this Business Lease Agreement in the commercial register shall be borne by HC OpCo.

## **§ 32**

### **Applicable law; jurisdiction**

- 32.1 This Business Lease Agreement is governed by German law.
- 32.2 The place of jurisdiction for all disputes arising from this Business Lease Agreement is Darmstadt.

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### **Annex 21.3**

#### **Terms of the Debt Assumption and Indemnification Agreement**

**Annex 21.3**

Terms of the Debt Assumption and Indemnification Agreement

**Terms of the Debt Assumption and Indemnification Agreement  
according to Sec. 21.3.  
of the Business Lease Agreement between  
KGaA and HC OpCo**

**Preamble**

- (1) Upon the hive-down of the Healthcare sectors becoming effective, KGaA, pursuant to sec. 11.1 of the hive-down and transfer agreement between KGaA, HC OpCo, PM OpCo and LS OpCo (***Hive Down and Transfer Agreement***), inter alia transfers the employment relationships of the employees who,
- in accordance with the „Gauss HR“ system were allocated to the divisions „KGaA Healthcare Darmstadt“ on the Closing Balance Effective Date within the meaning of the Hive Down and Transfer Agreement (except for employees who were already in the passive phase of partial retirement at that time) (***Employees of Healthcare***) provided that they were also allocated on the Legal Effective Date within the meaning of the Hive Down and Transfer Agreement to the divisions „KGaA Healthcare Darmstadt“ and those who,
  - in the period between the Closing Balance Effective Date within the meaning of the Hive Down and Transfer Agreement and the Legal Effective Date within the meaning of the Hive Down and Transfer Agreement, establish an employment relationship with the KGaA in the division „KGaA Healthcare Darmstadt“ or have been assigned or have been allocated to this part of the business according to the „Gauss HR“ system, provided that they are still assigned to the business division „KGaA Healthcare Darmstadt“ on the Legal Effective Date (***Newly Entering Employees Healthcare***)
- (hereinafter together referred to as ***Transferring Employees Healthcare***).
- (2) The transfer of the Transferring Employees Healthcare also includes all rights and obligations arising from pension provisions within the meaning of the German Company Pensions Act [*Betriebsrentengesetz*], which KGaA has granted to the Transferring Employees Healthcare or into which it has entered. The pension provisions entered into by KGaA as direct commitments are also secured by a Contractual Trust Arrangement (hereinafter referred to as ***CTA***) with plan assets. To the extent that the plan assets relate to the direct commitments that will be transferred as part of the hive-down of the Healthcare sector, the pro rata plan assets will be allocated to a CTA of the HC OpCo. The same applies to claims arising from agreements on value account credit balances,

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

which will also be transferred to HC OpCo when the hive-down of the Healthcare sector becomes effective and is secured via a CTA using plan assets.

- (3) Upon the hive down becoming effective, the employment relationships of Transferring Employees Healthcare are retransferred to KGaA with all rights and obligations in accordance with section 613a BGB. This does not only include the claims arising from the employment relationship, but also claims arising from agreements on time value account balances (hereinafter referred to as **Time Account Entitlements**), all rights and obligations arising from the Pension Commitments as defined by the German Company Pensions Act (hereinafter referred to as **Pension Commitments**). In principle, this also applies to the pension provisions that are made by way of a direct commitment.
- (4) For the purposes set out in para. II of this Agreement
- Direct commitments (hereinafter referred to as **Secured Direct Commitments**),
  - Time Account Entitlements and
  - any other personnel-related commitments, consisting in particular of
    - o claims regarding freelancers to the extent such freelancers have to be qualified either as Employees of Healthcare or as Newly Entering Employees Healthcare
    - o Long Term Incentive Plans (**LTIP**) (*langfristige Incentivierungspläne*)
    - o payments for a default liability pursuant to section 1 (1) sentence 3 BetrAVG
    - o death benefits,
    - o benefits for the Demography Fund,
    - o benefits for deferred compensation,
    - o benefits for vacation and flexitime,
    - o benefits for old-age part-time programs, and
    - o anniversary bonuses,

to the extent however, that that aforementioned other personnel-related commitments are not already secured as Secured Direct Commitments or Time Account Entitlements (hereafter referred to as **Other Personnel-related Obligations**), this Agreement is intended to declare a debt assumption and entire obligation to perform by HC OpCo in accordance with the criteria laid down by the Federal Fiscal Court (judgment of 25 April 2012 – file number IV R 43/09, Federal Statistical Gazette II 2017,1228) and the criteria laid down by the tax authorities (BMF circular of 30 November 2017 – file number IV C 6-S 2133/14/10001, Federal Statistical Gazette I 2017,1619) whereby the aforementioned

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

obligations are the sole economic responsibility of HC OpCo. Accession to the debt together with acceptance of performance serves the purpose to passivate the pension obligations, Time Account Entitlements, and any Other Personnel-related Obligations previously transferred to HC OpCo after the Legal Effective and with economic effect as of the Beginning of the Lease as set out in the Business Lease Agreement as liabilities of HC OpCo as of the Transfer Date for Tax Purposes (sec. 2.1 of the Hive Down and Transfer Agreement), irrespective of the transfer of the employment relationships.

Given these facts, the Parties agree on the following Debt Assumption and Indemnification Agreement:

**I.****Beneficiaries**

- (1) Beneficiaries as set forth in this Agreement are Transferring Employees Healthcare with Time Account Entitlements, claims arising from Other Personnel-related Obligations or secured direct commitments whose employment relationship is transferred from HC OpCo to KGaA on the Legal Effective Date as set forth in the Business Lease and their survivors, to the extent that a survivor's pension is also granted as part of the secured direct commitments, and any persons entitled to compensation with rights deriving from the transferring employees in the context of pension compensation (hereinafter referred to as **Beneficiaries**). The Employees of Healthcare within the meaning of the Hive-Down and Transfer Agreement assigned to the Healthcare sector of KGaA as of the Closing Balance Effective Date within the meaning of the Hive-Down and Transfer Agreement are listed in Annex 11.1 of the Hive-down and Transfer Agreement.
- (2) The provisions of this Agreement shall apply *mutatis mutandis* to employees who are recruited directly by KGaA after the Legal Effective Date set forth in the Business Lease, were granted a commitment according to Clause II of this Agreement, or any other form of direct pension commitment and are assigned to the Healthcare sector.

**II.****Secured Obligations**

- (1) The following direct commitments within the meaning of the Company Pensions Act (BetrAVG) of the Transferring Employees Healthcare are recognized as secured direct commitments as a result of debt accession, which are transferred from HC OpCo to Merck KGaA on the Beginning of the Lease within the meaning of the operating lease agreement. These include in particular:

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

- Merck Pension Plan 2005,
  - Company Pension Scheme 1985,
  - Company Pension Directive 1976,
  - Operating Agreement on pensions for former Biotest employees.
- (2) The debt assumption also includes Time Account Entitlements and Other Personnel-related Obligations within the meaning of paragraph 4 of the preamble.
- (3) This shall apply irrespective of whether the transfer of commitments and claims occurs as a result of a transfer of the respective employment relationship based on an individual contract agreement or in accordance with sec. 613a BGB.
- (4) The extent of the security is determined in accordance with Clauses III and IV of this Agreement.

**III.****Debt Assumption**

- (1) HC OpCo hereby assumes the secured direct commitments, time account claims, and Other Personnel-related Obligations upon the Business Lease Agreement becoming effective as of the Legal Effective Date within the meaning of the Business Lease Agreement and with economic effect from the Beginning of the Lease within the meaning of the Business Lease Agreement at midnight (hereafter referred to as **Secured Claims**) in such manner that, in accordance with the principles of a contract in favor of third parties, the beneficiaries may assert a full direct claim against HC OpCo for the fulfillment of their secured claims within the existence of this debt accession and indemnity agreement. This debt assumption shall not only apply to the secured claims already accrued until the Beginning of the Lease as set forth in the Business Lease Agreement, but also to the secured claims still accrued after the Beginning of the Lease set forth in the Business Lease Agreement for the duration of the Business Lease, including such secured claims which are only established after the Beginning of the Lease (e. g. LTIP or benefits for vacation and flexitime from financial years commencing after the Beginning of the Lease) (hereinafter referred to as **Secured Claims To Be Earned**).
- (2) If KGaA is obliged to adjust existing pensions from secured direct commitments based on an adjustment audit in accordance with section 16 BetrAVG, debt assumption shall also include the adjustment amount.

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

- (3) PSV premiums payable by KGaA to the Pension Assurance Association (*Pensions-sicherungsverein – PSV*) for the secured direct commitments shall also be borne by HC OpCo either by direct payment or by way of reimbursement.
- (4) The KGaA must compensate HC OpCo for the Secured Claims To Be Earned. This is to be measured on the basis of the annual allocations to provisions and liabilities in the commercial balance sheet of HC OpCo in connection with the secured claims insofar as the allocations relate to the secured claims still to be earned; in the case of retirement benefit obligations or comparable long-term obligations due in Section 246 (2) sentence 2 of the German Commercial Code (HGB) is based on the value which results without offsetting in accordance with Section 246 (2) sentences 2,3 of the German Commercial Code (HGB). HC OpCo will determine the compensation amount annually on the respective balance sheet date of HC OpCo (December 31) as part of the preparation of the annual financial statements in accordance with German commercial law and communicate this amount to the KGaA. The settlement amount is due four weeks after the preparation of the annual financial statements of HC OpCo in accordance with commercial law and notification to the KGaA.
- (5) If there is an obligation with regard to a secured claim (such as because of a (partial) operation transfer within the meaning of section 613a BGB, a single contractual transfer of the employment relationship, measures according to the German Reorganization Act [*UmwG*], shall be transferred pursuant to section 4 BetrAVG, etc.) by individual contract, by law or universal succession from KGaA to another debtor, the securing rights from the debt assumption expire with effect from the time of the transfer. In the event of a possible continuing joint and several liability of the KGaA, the assumption of liability shall continue to apply with respect to the liability debt to the extent and for the duration of the joint and several liability.

**IV.****Indemnification / Fulfillment / Refund**

- (1) KGaA as well as HC OpCo assume that KGaA directly fulfills the secured claims upon occurrence of the respective benefit claim. In this case, HC OpCo of KGaA shall reimburse all benefits upon submission of the corresponding supporting evidence, as well as the debt assumption according to Clause III of this Agreement. KGaA shall have the right to demand reasonable advance payments at its reasonable discretion; in particular, the costs and expenses expected to be incurred by KGaA in the respective year are determined based on the annual payment budgets, for which HC OpCo shall make advance payments to KGaA upon request. In each of the aforementioned cases, a claim



**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

for compensation of KGaA against HC OpCo with regard to and in the amount of the advance already paid shall be excluded.

- (2) Payments by KGaA or by third parties to fulfill the secured claims owed to the beneficiaries shall reduce the obligation arising from this debt assumption to the corresponding extent.
- (3) Clause III paragraph 5 shall apply accordingly to the indemnification and reimbursement.
- (4) Insofar as claims are brought forward against HC OpCo by beneficiaries directly based on the debt assumption agreed on in Clause III, the payments shall be made by HC OpCo, to the extent described in Clause III of this Agreement. This also applies to the secured claims. In such a case, KGaA shall provide HC OpCo with all necessary documents and data in compliance with data protection regulations.
- (5) In the amount attributable to the Secured Claims, KGaA will transfer to HC OpCo the economic ownership of the trust assets held by Merck Pensionstreuhand e.V. and the Metzler Trust e. V. (the **Trustees**) based on respective agreements with the respective Trustees. Within the scope of these trust arrangements, HC OpCo may also make funding contributions with regard to the Secured Claims To Be Earned. An obligation to make an endowment for these claims only exists if there is a legal obligation to do so.

**V.****Term, Termination, and Other Provisions**

- (1) The ordinary termination of this Debt Assumption and Indemnity Agreement shall be excluded during the duration and scope of the Business Lease. The amicable cancellation and sec. V paragraph 2 of this Agreement shall remain unaffected.
- (2) This Debt Assumption and Indemnification Agreement shall be terminated to the extent that the HC OpCo becomes the direct debtor of the secured claims, especially in the case of a (partial) operation transfer to HC OpCo according to section 613a BGB. This shall also apply in the event of a full or partial termination of the Business Lease insofar as such termination results in a (partial) transfer to HC OpCo with regard to the beneficiaries concerned or if other employment relationships are transferred from Merck KGaA to HC OpCo. This partial or complete termination of the Business Lease results in the expiration of the claims of KGaA and the beneficiaries from this Debt Assumption and Indemnification Agreement with effect for the future without a separate notice to the beneficiaries being required, so that from that date payments may no longer be required from HC OpCo after the termination date of this Agreement.

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

- (3) Moreover, both Parties may terminate this Debt Assumption and Indemnification Agreement either after the Business Lease has expired by mutual consent or unilaterally, giving notice of 6 months as per the end of the calendar year. Otherwise, the right to terminate the Agreement for due cause shall remain unaffected.
- (4) In the event of a mutual termination of the Debt Assumption and Indemnification Agreement pursuant to sec. V. paragraph 1 or a termination pursuant to sec. V paragraph 3, the Parties shall agree to compensate the adverse economic effects for KGaA arising from the termination of the Debt Assumption and Indemnification Agreement as compared to the continuation of the Debt Assumption and Indemnification Agreement to the extent that KGaA has to bear economic burdens from the secured claims as a result of terminating this Agreement. Such compensation shall be made with regard to the secured claims to the extent that they have already been fully earned by the Beneficiaries by the termination of the Debt Assumption and Indemnification Agreement. When assessing these adverse economic effects and the necessary compensation, the accepted actuarial principles and recognized accounting principles of German GAAP must be taken into account. Insofar as the termination of the debt assumption results in the collateral via the CTA of HC OpCo for the beneficiaries being cancelled, KGaA undertakes to again ensure the security with regard to the secured direct commitments and the Time Account Entitlements of the beneficiaries via their CTA. Pro rata trust assets, which are again made available to KGaA in this context, must be taken into account when determining the compensation of the adverse economic effects on KGaA pursuant to this paragraph 4. The conclusion of an agreement to compensate for the adverse effects arising from the termination shall be prerequisite for the effectiveness of the termination of the Debt Assumption and Indemnification Agreement.
- (5) The parties also reserve the right to make adjustments to the existing agreement. This applies in particular in the case of a change of the procedure for the implementation of the secured direct commitments. Neither any notification nor consent of the beneficiaries is required in this regard.
- (6) As far as employment relationships of the Transferring Employees Healthcare should not transfer to HC OpCo as part of the hive down of the sector KGaA Healthcare, the deposit of the Secured Claims within the meaning of § 20 UmwStG is performed by way of an debt assumption and indemnification, effective as of the Closing Balance Effective Date (sec. 2.2 of the Hive Down and Transfer Agreement).
- (7) To the extent that currently or in the future, contrary to expectations, there should be obstacles to the transfer of the economic ownership to HC OpCo as stipulated in sec. IV.5 or in the event that KGaA would have continue to provide for the endowment concerning the Secured Claims or the Secured Claims to Be Earned, sec. 56.3 of the Hive Down and Transfer Agreement shall apply accordingly.

**Annex 21.3**

**Terms of the Debt Assumption and Indemnification Agreement**

- (8) Should one or more provisions of this Agreement be or become invalid, either as a whole or in part, the remaining provisions of this Agreement shall remain unaffected. KGaA as well as HC OpCo agree to replace the ineffective provision with an effective provision that comes as close as possible to the purpose pursued by the ineffective provisions. The same applies to any omissions in the Agreement. In the event of void or invalid provisions relating to deadlines or periods, those deadlines or time periods shall be deemed to be agreed which, depending on the will of the Parties of this Agreement, shall be at least or at most compatible with mandatory law.
- (9) This Agreement shall be governed by German law.

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**Annex 44.1.b**

Draft of the Business Lease Agreement between KGaA and LS OpCo

## **Business Lease Agreement**

between

**Merck Life Science Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany,**

as the lessor

and

**Merck KGaA, Darmstadt, Germany**

as the lessee

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### Preamble

- (1) Merck Kommanditgesellschaft auf Aktien, Darmstadt, Germany, headquartered in Darmstadt, Germany, registered in the commercial register of the Darmstadt local court under HRB 6164 (**KGaA** or **Merck KGaA, Darmstadt, Germany**) is, together with its German and foreign subsidiaries (**Group**), a globally operating science and technology company and divided into the three group-wide Business Sectors Healthcare, Life Science, and Performance Materials.
- (2) KGaA is the sole shareholder of Merck Life Science Holding GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, headquartered in Darmstadt, registered in the commercial register of the Darmstadt local court under HRB 97051, and of Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, headquartered in Darmstadt, registered in the commercial register of the Darmstadt local court under HRB 93771 (**LS OpCo**). KGaA as the controlling company and LS OpCo as the controlled company have entered into a domination and profit and loss transfer agreement within the meaning of Sec. 291 (1) s. 1 German Stock Corporations Act (*Aktiengesetz – AktG*). KGaA and LS OpCo are hereinafter also individually referred to as **Party** and collectively as **Parties**.
- (3) The operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim along with the associated assets and liabilities (hereinafter the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and/or the **Operating Unit KGaA Performance Materials** and, regardless of the Business Sector, an **Operating Unit** or collectively **Operating Units**), shall be, in accordance with Sec. 20 of the German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*), hived down to three separate subsidiaries via a hive down by absorption pursuant to Sec. 123 (3) (1) German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal legal succession, as well as in part by measures transferring or granting beneficial ownership (the **Operational Hive-down**; and the Agreement in Part A of this notarial deed entered into for its implementation, the **Operational Hive-down Agreement**). The Operating Unit KGaA Life Science shall be hived down to LS OpCo. Immediately after the completion of the Operational Hive-down, all company shares in LS OpCo held by KGaA shall be hived down by way of a hive-down for the purpose of transfer to Merck Life Science Holding GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany (the **Holding Hive-down**; the Agreement entered into for its implementation in Part B of this notarial deed, the **Holding Hive-down Agreement**).

The Operational Hive-down and the Holding Hive-down shall each take place with economic effect as of January 1, 2018.

- (4) The Operational Hive-down and the related separation of the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim to three subsidiaries support the introduction of global, Business Sector-specific company management systems (**Enterprise Resource Planning systems** or **ERP systems**) for the German business. At the same time, the business activities of the Operating Units thus far operated within KGaA can be integrated more efficiently into the management of the global Business Sectors. In addition, the Operational Hive-Down, in conjunction with the subsequent Holding Hive-Down, serves to align the structure of the German business, which is currently managed within KGaA as “operational parent company” (*Stammhauskonzern*), with the globally applicable structural principles of the Group. These strengthen the Group’s ability to respond quickly and flexibly to available strategic development options as well as the adaptability of the Business Sectors to changes in the market environment. The Group’s global innovation and growth strategy is in this way also implemented in Germany.
- (5) The remaining German and foreign subsidiaries of KGaA – and thus the majority of its assets – will not be subject to the hive-down measures. The hive-down measures also do not aim at establishing “global sub-groups” under separate Business Sector holdings. The strategic management of the global Business Sectors Healthcare, Life Science, and Performance Materials shall continue to be carried out directly by KGaA.
- (6) Since the technical requirements for introducing the ERP systems at LS OpCo currently do not exist, the business operation of the Operating Unit KGaA Life Science shall be leased back temporarily from LS OpCo to KGaA immediately after the legal effective date of the Operational Hive-down until the introduction of the ERP system, planned to take place in the course of 2020. This temporary lease(back) of the operation is subject to this Business Lease Agreement pursuant to Sec. 292 (1) (3) German Stock Corporations Act (the **Business Lease Agreement**). Corresponding Business Lease Agreements shall also be concluded by Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, and Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, (collectively with LS OpCo, regardless of the Business Sector, the **OpCos**, and each individually an **OpCo**) with KGaA. The overall management of the Operating Units by KGaA in its own name and for its own account, accompanied by the leaseback of operations by the OpCos, makes the separate operational control as well as mapping of the operational income and expenses for the OpCos in separate ERP sys-

tems temporarily obsolete. Upon introduction of the ERP system at LS OpCo, the Business Lease as it relates to the Leased Operation Life Science shall be terminated. The OpCos shall then conduct their business activity in their own name and for their own account.

- (7) The measures described above are part of a joint entrepreneurial concept and shall be presented to the Annual General Meeting of KGaA as a single transaction on April 27, 2018 for its approval. When registering the measures with the commercial register, the Parties will work to ensure that this Business Lease Agreement and the Holding Hive-down will be registered in the commercial register only after the Operational Hive-down has become effective.
- (8) If and to the extent that the Parties refer to the Operational Hive-down Agreement or its annexes (Annex A to this notarial deed) in this Business Lease Agreement, the content of the provisions to which reference is made and the annexes shall become an integral part of this Business Lease Agreement. The terms defined in the Operational Hive-down Agreement are used in the same meaning in this Business Lease Agreement.

NOW THEREFORE, the Parties conclude the following Business Lease Agreement:

### **A. Agreeing on the Business Lease**

#### **§ 1**

##### **Leased Operation**

- 1.1 LS OpCo shall lease, according to the stipulations of this Agreement, the entire operations of its company to KGaA (**Leased Operation**). KGaA shall manage the Leased Operation during the term of this Agreement in its own name and for its own account. Unless otherwise governed herein, the provisions of Sec. 581 et seq. German Civil Code (**BGB**) shall apply.
- 1.2 The domination and profit and loss transfer agreement existing between LS OpCo and KGaA shall remain unaffected by this Business Lease Agreement.

#### **§ 2**

##### **Legal Effective Date, Beginning Of The Lease**

The Agreement shall become effective upon registration in the commercial register of LS OpCo (**Legal Effective Date**). Notwithstanding the aforesaid, the lease shall become effective with retroactive economic effect as of January 1, 2018, 0:00 hours (**Beginning Of The Lease**). Hence, the Parties shall deem themselves in such position internally – in particular as regards the

payment of the rent and the usufruct from the Leased Operation – as if the lease was already in effect at this time.

## B. Subject Of The Lease

### § 3

#### Description of the Leased Items, general principles, granting possession

- 3.1 As described in more detail or referenced in § 15 to § 26 of the Operational Hive-down Agreement and in § 48 to § 51 of the Operational Hive-down Agreement, the subject of the lease includes all items and legal relationships of the assets and legal relationships of LS OpCo required to manage the Leased Operation. Excluded from the Lease shall be the receivables and legal relationships of the assets and liabilities of LS OpCo that shall be sold and transferred by LS OpCo to KGaA at the Beginning Of The Lease and sold back by KGaA to LS OpCo at the Lease End. Receivables from and liabilities to employees assigned to the Leased Operation shall be subject to § 20 and § 21. The items of the lease and legal relationships are referred to as **Leased Items** and the items and legal relationships transferred to KGaA are referred to as **Transferred Items**.
- 3.2 If the Leased Items and the Transferred Items can be recognized in the balance sheet, they are included in the segment balance sheet of the Operating Unit KGaA Life Science as of January 1, 2018, 0:00 hours, derived from the audited financial statements of KGaA as of December 31, 2017, 24:00 hours, which is attached to the Operational Hive-down Agreement as Annex 15.3 (**Life Science Hive-down Balance Sheet**). The subject of the lease and transfer also includes – subject to the special provisions of this Agreement, and if not excluded from the lease or the transfer – all items that are not required to be recorded in the balance sheet, that cannot be disclosed in the balance sheet, or that are actually not disclosed in the balance sheet attributable to the Leased Operation.
- 3.3 The additions and disposals of Leased Items and Transferred Items as well as other rights and obligations (including surrogates *in rem* or under the law of obligations of a Leased Item) during the period between the Beginning Of The Lease and the Legal Effective Date shall be taken into account for the lease or transfer according to the provisions below.
  - a) LS OpCo shall lease or transfer to KGaA the Assets and Liabilities Items in the broadest sense attributable to the Leased Operation which arise during the period from the Beginning Of The Lease to the Legal

Effective Date or were generated during said period and still exist at the Legal Effective Date.

- b) The Assets and Liabilities Items attributable in the broadest sense in terms of origin and intended purpose to the Leased Operation which were terminated, sold, or otherwise transferred during the period from the Beginning Of The Lease to the Legal Effective Date or that no longer exist on the Legal Effective Date shall not be leased or transferred to KGaA. Instead, they shall be substituted by the surrogates in rem or under the law of obligations existing as at the Legal Effective Date.
- 3.4 LS OpCo shall grant KGaA, at the Legal Effective Date, possession and/or physical control of the Leased Items and the Transferred Items and ensure that KGaA can obtain the benefits from the Leased Items in its own name and for its own account. Thus, KGaA shall obtain the agency implied in fact (*Schlüsselgewalt*) over the Leased Items.
- 3.5 If for individual Leased Items a lease is not legally permissible or is not feasible for any other reasons, LS OpCo shall exercise its rights arising from these Leased Items only as per the instructions of KGaA in its capacity as the lessee, and apart from that treat KGaA internally as a lessee of these Leased Items.

## § 4

### Intangible assets and know-how

- 4.1 LS OpCo shall lease to KGaA all Transferred Patent Rights Life Science and Transferred Rights Of Use Life Science described in detail in § 16.2 of the Operational Hive-down Agreement attributable to the Leased Operation and all know-how attributable only to the Life Science Business Sector within the meaning of § 17 of the Operational Hive-down Agreement (collectively, the **Leased IP**), in particular the intangible assets listed in Annex 16.2.a and Annex 16.2.b to the Operational Hive-down Agreement.
- 4.2 Unless otherwise governed in § 4.3 and § 4.6, the lease of the Leased IP shall be carried out in accordance with the following licensing terms:
- a) LS OpCo shall grant KGaA a non-exclusive, worldwide, non-transferrable license restricted to the term of this Business Lease Agreement to use the Leased IP only within the scope of ordinary business operations of the Leased Operation.

- b) KGaA shall be authorized to grant sub-licenses for the Rights Of Use granted to it pursuant to § 4.2 lit. a) only within the scope of ordinary business operations of the Leased Operation.
  - c) The license granted pursuant to § 4.2 lit. a) shall lapse when the Business Lease Agreement is terminated. It can apart from that only be terminated insofar as the right of termination cannot be waived under the applicable laws.
  - d) The Rights Of Use granted pursuant to § 4.2 lit. a) shall lapse upon termination of the Business Lease Agreement. In this case, KGaA is obligated to immediately cease use of the licensed Leased IP pursuant to § 4.2 lit. a).
  - e) The Rights Of Use granted pursuant to § 4.2 lit. a) shall always apply only to the extent to which LS OpCo is authorized to dispose of them at the Legal Effective Date. The Rights Of Use granted pursuant to § 4.2 lit. a) shall have no impact on the licenses granted under the Leased IP to third parties and the rights and obligations of third parties or of LS OpCo governed therein.
  - f) § 17 of this Business Lease Agreement shall remain unaffected.
- 4.3 During the term of the business lease, KGaA shall be entitled to the trustor's rights and obligations resulting from the Trust Agreement (including the rights of use governed therein) established in § 16.3 lit. b) of the Operational Hive-down Agreement between KGaA and LS OpCo in respect of registered property rights, and shall fulfill these rights and obligations.
- 4.4 The Parties agree that, during the term of the business lease, the obligation of LS OpCo to cover the costs and to indemnify KGaA pursuant to § 16.6 and § 16.7 of the Operational Hive-down Agreement shall not apply.
- 4.5 The Parties agree that the Transferred Rights Of Use Life Science as well as the Trust Agreements transferred as per § 16.3 lit. a) of the Operational Hive-down Agreement shall be transferred to KGaA for the term of the business lease by transferring the relevant contracts pursuant to § 9.
- 4.6 As far as LS OpCo has been granted rights of use in Shared IP Life Science Materials in accordance with § 16.4 of the Hive-down Agreement and know-how attributable not exclusively to the Life Science Business Sector in accordance with § 17.2 of the Hive-down Agreement, KGaA shall exercise such rights for the duration of the business lease in its own right.

## § 5

### Tangible assets

- 5.1 LS OpCo shall lease to KGaA all tangible assets described in detail in § 18.1 to § 18.3 of the Operational Hive-down Agreement attributable to the Leased Operation and those tangible assets described in Annex 18.1 to the Operational Hive-down Agreement, including the low-value assets. This shall also apply if third-party title of ownership in the assets is reserved or LS OpCo has assigned such title to third parties as collateral.
- 5.2 As regards tangible assets of KGaA for which an intercompany service agreement pursuant to § 18.5 of the Operational Hive-down Agreement was concluded between LS OpCo and KGaA or another OpCo, KGaA shall be entitled to any and all rights arising from this service agreement during the term of the business lease.

## § 6

### Receivables

- 6.1 LS OpCo shall sell to KGaA all receivables attributed to the Leased Operation at the Beginning Of The Lease and described in § 19 of the Operational Hive-down Agreement, specifically those listed in Annex 19.2 to the Operational Hive-down Agreement, and shall assign them to KGaA. KGaA hereby accepts the sale and assignment. The sale of the receivables shall take economic effect at the Beginning Of The Lease at the carrying amounts disclosed in the commercial-law Life Science Hive-down Balance Sheet for the overall item “Receivables and other assets.” The purchase price shall be due within four weeks of the Legal Effective Date of the business lease.
- 6.2 If an assignment of the receivables is not permissible or feasible, LS OpCo shall herewith grant KGaA the power to collect the relevant receivables, and the Parties shall be treated internally as if the relevant receivable had been effectively assigned (Trust Agreement as set out in § 1.4 of the Operational Hive-down Agreement).
- 6.3 After the termination of this Business Lease Agreement, KGaA shall be authorized and, at the request of LS OpCo, obligated, with effect from the termination of the agreement (**Lease End**), to sell to LS OpCo the receivables existing at the Lease End that are attributable to the Leased Operation in a corresponding application of the above stipulations, at the effective carrying amount at Lease End (to be determined according to the same principles as relate to sale under § 6.1). The purchase price shall be due within four weeks of the Lease End.

- 6.4 Any prepaid expenses existing at the Beginning Of The Lease or at the Lease End shall be settled upon payment of the purchase prices pursuant to § 6.1 and § 6.3 on the basis of the respective carrying amount.
- 6.5 In deviation from § 6.1, the provisions in § 20 and § 21 shall apply to employees' receivables.

## § 7

### Inventories

- 7.1 LS OpCo shall sell to KGaA all inventories and other current assets attributable in full or on a prorated basis to the Leased Operation, in particular raw materials, consumables and supplies, work in process and finished products and merchandise, irrespective of whether they are at sites, in transit or on consignment, particularly those described in detail in § 20 of the Operational Hive-down Agreement, and specifically those listed in Annex 20.3 to the Operational Hive-down Agreement. Inventories shall be sold on the Legal Effective Date with retroactive economic effect as of the Beginning Of The Lease at the carrying amounts disclosed in the commercial-law Life Science Hive-down Balance Sheet for the overall item "Inventories." The purchase price shall be due within four weeks of the Legal Effective Date of the business lease.
- 7.2 The Parties agree that the title, possession, and all other rights to the inventory items sold in accordance with § 7.1 shall be transferred to KGaA at the Legal Effective Date. As far as, at the time of the transfer of the inventory items, third parties have rights reserved in these items or these items are transferred as collateral to third parties, LS OpCo shall transfer to KGaA at the Legal Effective Date the entitlement right in these items, its claims for surrender, if such claim exists, and all other claims to which it is entitled in this context.
- 7.3 If certain inventory items are in the possession of third parties at the Legal Effective Date, LS OpCo shall assign to KGaA its respective repossession rights.
- 7.4 If additional actions or declarations are required for the transfer of title or for granting possession, the Parties shall immediately arrange for what is necessary or required.
- 7.5 After the termination of this Business Lease Agreement, KGaA shall be authorized and, at the request of LS OpCo, obligated, with effect as of the Lease End, to sell to LS OpCo the inventories existing at the Lease End that are attributable to the Leased Operation in a corresponding application of the above stipulations, at the carrying amount then applicable (to be determined accord-



ing to the same principles as relate to sale under § 7.1). The purchase price shall be due within four weeks of the Lease End. LS OpCo shall have the right to limit the sale to such quantities as are necessary to continue the Leased Operation. Items from inventories whose resale LS OpCo has waived may be used or exploited by KGaA at the Lease End at its own discretion.

- 7.6 Both the inventories to be sold hereunder and the inventories to be sold back upon termination of this Business Lease Agreement shall be sold in each case in the condition in which they are at the time of sale to the respective other Party, without any warranty for defects. Warranty claims, regardless of their nature and regardless of the legal basis, shall herewith be excluded to the extent legally permissible.

## § 8

### Liabilities and provisions

- 8.1 KGaA shall take over from LS OpCo, with economic effect as of the Beginning Of The Lease, all liabilities and/or contingent and uncertain liabilities that are attributable to the Leased Operation and that are described in detail in § 21 of the Operational Hive-down Agreement, specifically those listed in detail in Annex 21.4.a and Annex 21.4.b to the Operational Hive-down Agreement.
- 8.2 Such assignment pursuant to § 8.1 excludes liabilities or contingent and uncertain liabilities that would be subject to prohibitions, restrictions, or assessment restrictions on the disclosure of certain items in the financial statements as set forth in Sec. 4f (1) s. 1 German Income Tax Code (*Einkommensteuergesetz - EStG*). If the legal ground on which such a liability is based is transferred to KGaA on the basis of a provision in this Agreement or by law, LS OpCo hereby, with economic effect as of the Beginning Of The Lease, enters into the liability according to the criteria established by the Federal Fiscal Court (*Bundesfinanzhof*) (decision dated April 25, 2012 - Case No. IV R 43/09, Federal Tax Gazette (*BStBl.*) II 2017, 1228) and the tax administration (German Federal Ministry of Finance (*BMF*) on November 30, 2017 - Case No. IV C 6-S 2133/14/10001, *BStBl.* I 2017, 1619) and takes over the fulfilment thereof in the internal relationship with KGaA (Sec. 329 *BGB*).
- 8.3 For the liabilities to be assigned to and accepted by KGaA pursuant to § 8.1, taking § 8.2 into account, LS OpCo shall pay to KGaA a compensation that corresponds to the commercial-law carrying amounts disclosed in the Life Science Hive-down Balance Sheet for these overall items (*negative purchase price*). The negative purchase price is due within four weeks of the Legal Effective Date of the business lease.

- 8.4 After the termination of this Business Lease Agreement, KGaA shall be authorized and, at the request of LS OpCo, obligated, with effect as of the Lease End, to sell to LS OpCo the liabilities existing at the Lease End that are attributable to the Leased Operation under § 8.1 and § 8.2, in a corresponding application of the above stipulations (with determination of the effective carrying amount according to the same principles as relate to sale under § 8.3). The negative purchase price falls due within four weeks of the Lease End.
- 8.5 Any deferred income existing at the Beginning Of The Lease or at the Lease End shall be settled upon payment of the purchase prices pursuant to § 8.3 and § 8.4 on the basis of the respective carrying amount.
- 8.6 In deviation from § 8.1, the provisions in § 20 and § 21 shall apply to liabilities due to employees.

## § 9

### Entering into contracts and contract offers

- 9.1 Within the scope of the business lease, KGaA shall assume all Transferred Contractual Relationships Life Science attributable to the Leased Operation and described in more detail in § 22 of the Operational Hive-down Agreement, in particular those listed in Annex 22.2 to the Operational Hive-down Agreement, by way of assumption of contract with discharging effect. The assumption of contract takes place with economic effect as of the Beginning Of The Lease, but in each case in the form and with the content of the contractual relationships existing at the Legal Effective Date. The retransfer of the contractual relationships attributable to the Leased Operation at the Lease End shall take place in accordance with § 9.5 of this Agreement.
- 9.2 Contractual relationships that are not attributable to the Leased Operation, particularly partnership agreements, domination and profit and loss transfer agreements, or agreements about silent partnerships shall not be transferred.
- 9.3 To the extent that the transfer of the contractual relationships requires the consent of a third party, in particular the respective contractual partner in the transferred contracts, LS OpCo and KGaA shall make their best efforts to obtain such consent immediately.
- 9.4 If and to the extent that a transfer of the contracts, contract offers, entitlements, or similar legal matters with discharging effect is not feasible or is not feasible in such manner that it becomes effective at the Beginning Of The Lease, KGaA shall assume any and all obligations resulting from such contracts, contract offers, entitlements, or similar legal matters. LS OpCo shall assign all claims and rights resulting from these contracts, contract offers, enti-

tlements, or similar matters to KGaA. In addition, the Parties shall treat each other internally as if the assumption with discharging effect of the contracts, contract offers, entitlements, and similar legal matters had occurred externally with effect as of the Beginning Of The Lease; in particular, risks, benefits, and obligations are considered transferred as of the Beginning Of The Lease. If and to the extent required, LS OpCo shall continue the relevant contractual relationship on a trust basis in its own name for the account of KGaA and, as far as legally possible, assign to KGaA the contractual relationship or the benefit resulting from the contractual relationship during the term of the business lease. In addition, LS OpCo is obligated, as far as legally possible, to grant to KGaA the power of attorney to exercise rights as they relate to the respective contractual relationship or to assign the corresponding rights to KGaA for exercise. Insofar as KGaA cannot exert a legal position effectively in external relationships, LS OpCo shall act as agent and trustee for KGaA (***Trust Agreement***).

- 9.5 Upon termination of this Business Lease Agreement, LS OpCo shall assume from KGaA, with economic effect as of the Lease End, the contractual relationships existing at the Lease End that can be functionally assigned to the Leased Operation, within the scope legally permissible. § 9.3 and § 9.4 shall apply accordingly.
- 9.6 When obtaining consent pursuant to § 9.3, the Parties shall endeavor, to the extent appropriate, to obtain consent for the retransfer of the contract to LS OpCo upon termination of the business lease pursuant to § 9.5 at the same time. In addition, KGaA shall, for all contracts newly concluded during the business lease, to the extent appropriate, undertake to obtain consent from the contractual partner for the transfer of the contract to LS OpCo upon termination of the business lease pursuant to § 9.5.
- 9.7 During the term of the business lease, KGaA shall be entitled to the trustor's rights and obligations resulting from the Trust Agreement between KGaA and LS OpCo in the meaning of § 49.2 of the Operational Hive-down Agreement ("Shared Agreements").

## § 10

### **Litigation and legal proceedings**

- 10.1 To the extent that the Leased Items or Transferred Items under this Agreement relate to litigation and legal proceedings specified in § 24.1 to § 24.4 of the Operational Hive-down Agreement, listed in particular in Annex 24.3 to the Operational Hive-down Agreement, are transferred to LS OpCo in the course of the hive-down, LS OpCo shall retransfer such litigation and legal proceedings to KGaA for the duration of the business lease.

- 10.2 With the litigation and other legal proceedings subject to § 10.1, the advisory and contractual relationships with third parties related thereto shall also be transferred to KGaA.
- 10.3 To the extent that, according to the provisions of the applicable procedural rules, the transfer of party status from LS OpCo to KGaA in full depends on other circumstances, such as the consent of the other participant(s) in the proceedings, the Parties shall work towards these steps being taken and towards KGaA replacing LS OpCo as a party in the litigation and other procedural legal relationships subject to this provision.
- 10.4 If no change of party pursuant to § 10.1 or § 10.3 occurs, LS OpCo shall continue the proceedings as the institution of legal standing. Proceedings shall be conducted for the account of KGaA. Internally, the ongoing management of proceedings shall be assumed by KGaA. LS OpCo shall thus not conduct any procedural acts (in particular agree on any settlement, waiver, acknowledgment, confession, withdrawal, or amendment of actions) without the prior consent of KGaA. KGaA shall indemnify LS OpCo with regard to any liabilities and costs resulting from any litigation and other procedural legal relationships that are subject to this provision. LS OpCo shall support KGaA in such proceedings with the objective of minimizing the economic damage resulting from the proceedings.
- 10.5 KGaA hereby undertakes already to transfer the litigation and legal proceedings assigned to the Operating Unit KGaA Life Science pursuant to § 10.1 and such litigation and legal proceedings in the meaning of § 10.1 that are re-established until the Lease End to LS OpCo with effect as of the termination date of this Business Lease Agreement. § 10.2 to 10.4 shall apply *mutatis mutandis* to the rescission of the Lease.

## § 11

### Memberships

- 11.1 LS OpCo shall transfer to KGaA any memberships that are transferred to LS OpCo as part of the Operational Hive-down as set out in § 25 of the Operational Hive-down Agreement, taking into account any terminations or re-establishments during the period between the Beginning Of The Lease and the Legal Effective Date.
- 11.2 Insofar as a membership to be transferred (in part) to LS OpCo under § 25 of the Operational Hive-down Agreement has not been assigned or transferred to LS OpCo in the course of the hive-down, it shall remain with KGaA for the term of the business lease and shall be transferred to LS OpCo upon termination of the business lease. If a transfer of such memberships is not possible

even after termination of the business lease, KGaA shall support LS OpCo in re-applying for these memberships, assuming that such a membership is required and desired.

## § 12

### **Permits and approvals required under public law, operator responsibility**

- 12.1 As part of the Operational Hive-down, KGaA and LS OpCo have entered into a Trust Agreement in the meaning of § 1.4 of the Operational Hive-down Agreement with respect to the permits relating to the operations of LS OpCo and specified in Annex 48.2 of the Operational Hive-down Agreement, under which KGaA holds the permits as a trustee exclusively for or also for the LS OpCo. KGaA shall be entitled to the trustor's rights and obligations resulting from this Trust Agreement during the term of this Business Lease Agreement.
- 12.2 During the term of the business lease, KGaA shall remain the operator and owner of the permits for the facilities, land, and equipment of the Leased Operations with all associated rights and obligations, and shall exercise in its previous scope unrestricted physical control and right of disposal over all facilities, land, and equipment of the Leased Operation. During the term of the business lease, KGaA shall be responsible for complying with all environmental and public law provisions and requirements of the respective approvals that are associated with its position as operator (including such requirements as are relevant for supplying leased plants or for removing waste water and waste and, if relevant, legal requirements regarding incidents). KGaA shall also continue to be the sole contact in this context for the competent authorities and third parties and to conduct proceedings and consultations under environmental and approval-related law with authorities and third parties as the responsible party and in its own name. KGaA remains during the term of the business lease the legal owner of all permits under product law in the meaning of § 48.7 of the Operational Hive-down Agreement. KGaA shall continue to fulfill all obligations associated with these permits and shall ensure quality management.
- 12.3 The transfer or re-application for approvals after the termination of the business lease shall be based on the provisions in § 48.8 and § 48.9 of the Operational Hive-down Agreement.

### **C. Legal position of KGaA**

#### **§ 13**

##### **General rights and obligations of KGaA**

- 13.1 KGaA shall have the right and obligation to continue to manage and operate the Leased Operation according to the detailed provisions of this Agreement from the Legal Effective Date in its own name and for its own account. KGaA shall be entitled to all products from the Leased Operation and may dispose of them freely. KGaA shall be responsible for procuring all media necessary to operate the Leased Items at its own expense.
- 13.2 KGaA shall be solely responsible for managing and operating the Leased Operation with the due diligence of a responsible and prudent manager. KGaA shall in so doing comply with and take into account in particular the statutory provisions, the official permits, including the requirements and conditions contained therein, as well as codes of practice. As far as impairments of third parties originate from the Leased Operation, KGaA shall indemnify LS OpCo from all claims brought forward against it. If other licenses, permits, approvals, or permissions are required under public law, KGaA shall obtain such documents in coordination with LS OpCo unless otherwise agreed; LS OpCo shall make their best efforts to support KGaA in doing so.
- 13.3 KGaA shall be responsible for all measures necessary to ensure the legal obligation to maintain safety and all other obligations associated with the possession of the Leased Operation as regards public traffic. KGaA shall also indemnify LS OpCo in this respect from all claims of third parties. Administrative orders shall be satisfied by KGaA promptly. § 12.2 and § 12.3 of this Agreement shall remain unaffected.
- 13.4 All non-recurring or recurring public law or private law charges, levies, and dues arising from the Leased Operation shall be borne by KGaA for the term of this Agreement.
- 13.5 The Leased Operation may only be sublet with the prior written consent of LS OpCo.

#### **§ 14**

##### **Maintenance and repair, alterations**

- 14.1 KGaA is obligated to treat the leased items with due care, to service, maintain, and repair them at their own expense.

- 14.2 KGaA may only modify the leased items if such modifications are in compliance with the principles of proper management. In particular, it may take, within the scope of the purpose of this Agreement, all measures necessary for rationalization. Within the scope of proper management, KGaA shall be authorized to decommission or dismantle individual Leased Items.
- 14.3 LS OpCo shall authorize KGaA to undertake legal dispositions relating to the leased items for use that are within the scope of proper management, taking into account the purpose of this Agreement.
- 14.4 Measures of material economic significance that are taken in accordance with § 14.2 and § 14.3, such as the demolition or not only temporary decommissioning of plants or major changes in the business structure of the Leased Operation, shall require the consent of LS OpCo.
- 14.5 With regard to the other provisions and uncertain liabilities that are transferred from LS OpCo to KGaA pursuant to § 8, the Parties agree that, in case of unscheduled and considerable changes in the value of the legal positions or circumstances on which they are based, an equalization should be effected between the Parties. A claim for equalization exists if, (i) according to the applicable provisions set forth in the German Commercial Code (*Handelsgesetzbuch - HGB*), the amount of the other provisions and uncertain liabilities shall be corrected in an individual case by at least EUR 100,000.00 compared to the respective value on which it was based at the Beginning Of The Lease, and, (ii) when netting all value changes as per the preceding clause (i) in a financial year in favor of one of the contractual parties, a positive balance totaling EUR 2,000,000.00 or more results. The party that is the beneficiary of the other contractual party is obligated to pay a compensation (equalization) in the amount of this positive balance. The settlement for each lease year shall take place by March 31<sup>st</sup> of the following year.
- 14.6 § 17 of this Agreement shall prevail in respect of changes during the term of the lease as regards the Leased IP.

## § 15

### Investments

- 15.1 Investments in terms of the provisions below include any and all expenses which, in consideration of the accounting principles of LS OpCo, constitute acquisition costs or costs of production to be capitalized as set forth in Sec. 255 (1) or (2) *HGB* with regard to the fixed assets of LS OpCo. KGaA shall be authorized, as specified in the provisions below, to make investments (replacement and expansion investments) for LS OpCo for the account of LS OpCo.

- 15.2 Replacement investments shall be made according to the principles of proper management. The decision on expansion investments shall be made at the reasonable discretion of KGaA subject to the sentence below. Major expansion investments shall require the consent of LS OpCo.
- 15.3 The Parties agree that the title of ownership in the items acquired by way of replacement and expansion investments for the account of LS OpCo as specified above shall appertain to LS OpCo (and they thus, at the same time, become a surrogated or new integral part of the Leased Item as specified in this Business Lease Agreement). If LS OpCo does not directly obtain the title of ownership in the investment objects, the Parties agree that ownership passes to LS OpCo at the time of acquisition/production (agreeing on anticipated constructive possession and proxy purchase by way of an anticipated in rem agreement). For the purpose of such transfer of title, KGaA shall document the investment and record the acquired items in a list format, taking into account the principle of legal certainty under property law.
- 15.4 The rent shall increase accordingly by the depreciation amounts determined in accordance with the *HGB* calculated on a monthly basis at LS OpCo resulting from the capitalization of the newly capitalized and, as scheduled, cumulatively depreciated replacement and expansion investments and the depreciation on low-value items.
- 15.5 If further explanations or actions are required to make the investments described above, the Parties shall undertake to obtain and do what is necessary without any undue delay. As a purely precautionary measure, LS OpCo hereby revocably authorizes KGaA to represent it when making replacement or expansion investments, as is necessary or appropriate for any direct transfer of the title of ownership in the acquired items to LS OpCo.

## § 16

### Goodwill

- 16.1 The Parties make clear that LS OpCo shall at all times remain the sole beneficial owner of any goodwill attributable to the Leased Operation (**Goodwill**) in its individual form during the entire term of the lease and even after termination of the lease, and is leased for use to KGaA as part of the Leased Item for the term of the lease only for a limited period of time. This shall apply in particular even if the existing goodwill increases in full or in part or is replaced by new goodwill during the term of the lease as a result of activities or outlays by KGaA.
- 16.2 Even if the amount of the goodwill was affected by the activities of KGaA during the term of the lease, the Parties agree – in accordance with the statuto-



ry fundamental classification of the lease as a lease of use for a limited period of time – that KGaA, upon termination of the lease, shall not be required to pay any compensation whatsoever for any increases in value of the Leased Items, including goodwill, and LS OpCo may utilize the Leased Items including goodwill immediately and without any restrictions, in particular, without any obligation to pay any compensation (cf. also Federal Court of Justice (*BGH*) dated May 12, 1986 – Case No. II ZR 11/86; Federal Fiscal Court (*BFH*) dated January 30, 2002 – Case No. X R 56/99).

## § 17

### IP rights

- 17.1 The Parties make clear that LS OpCo shall at all times remain the sole beneficial owner of the entire Leased IP during the entire term of the lease and even after its termination and that the Leased IP is leased for use to KGaA as part of the Leased Operation for the term of the lease only for a limited period of time.
- 17.2 KGaA shall be authorized and obligated to maintain, manage, monitor, defend, and enforce against any infringers the Leased IP during the term of the lease at its own expense within the scope of proper management. It may also commission third parties for this purpose (e.g., Merck Patent GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany). A sale or pledging, encumbrance or renunciation of Leased IP shall only be admissible with the prior written consent of LS OpCo. KGaA shall be responsible during the term of the lease for the periodic review of the countries in which Leased IP is registered or maintained; KGaA shall manage the Leased IP in such manner that the business is protected in an economically reasonable and appropriate manner. In the event of contradictions between the Trust Agreement LS OpCo and KGaA entered into and this Agreement in respect of certain items of the Leased IP, the provisions in this Agreement shall prevail.
- 17.3 All findings, inventions, materials, items, procedures, software codes or programs, data, know-how, or other development results that arise or are created during the term of the lease within the scope of the Leased Operation, including all existing rights therein, particularly all intellectual property (hereinafter **Foreground IP**), are subject to the sole beneficial ownership of LS OpCo as of emergence, during the entire term of the lease, and also after termination of the lease, and become part of the Leased IP without KGaA having to pay any compensation during or after the termination of the lease (cf. also *BGH* dated May 12, 1986 – Case No. II ZR 11/86; *BGH* dated March 4, 1964 – Case No. VIII ZR 155/62). For Foreground IP that, at the same time, meet the prerequisites of a replacement or expansion investment as defined in § 15.1 and that

require capitalization pursuant to Sec. 246 (1) s. 1 and 2, Sec. 248 (2) s. 1, Sec. 255 *HGB* at LS OpCo if the replacement or expansion investment was made by LS OpCo itself (particularly, the acquisition of Foreground IP for consideration), § 15 shall apply accordingly. The rent shall increase accordingly by the depreciation amounts determined in accordance with the *HGB* calculated on a monthly basis at LS OpCo resulting from the capitalization of the newly capitalized and, as scheduled, cumulatively depreciated replacement and expansion investments.

- 17.4 The Parties agree that sole beneficial ownership of inventions as specified in the German Employee Invention Act (*Gesetz über Arbeitnehmererfindungen - ArbNErfG*) that are used during the term of the lease within the scope of the Leased Operation pursuant to Sec. 6 *ArbNErfG* appertains to LS OpCo (and that such inventions thus become part of the Foreground IP as well). The provision in § 17.3 regarding employee inventions shall apply accordingly.
- 17.5 Trademarks and brands that arise or are created during the term of the lease within the scope of the Leased Operation and that are used exclusively within that scope shall also appertain to LS OpCo for sole beneficial ownership from its emergence during the entire term of the lease and also after the termination of the lease and become part of the Leased IP, without KGaA having to pay any compensation during or after the termination of the lease. The provisions in § 17.3 shall apply accordingly.
- 17.6 KGaA shall take all actions necessary in order that LS OpCo or a trustee appointed by LS OpCo is able to exercise the legal ownership rights in the Foreground IP and the trademarks and brands designated in § 17.5 and, in particular, conduct registration of any industrial property rights. § 17.2 applies accordingly.

## § 18

### Insurance policies

- 18.1 During the term of the lease, KGaA shall bear the costs incurred for insurance coverage for LS OpCo and the Leased Operation pursuant to § 26 of the Operational Hive-down Agreement. KGaA is obligated to maintain the insurance coverage during the entire term of the Agreement to the extent economically corresponding to the amount of coverage of the insurance policies at the Beginning Of The Lease. If circumstances arise during the term of the Agreement that result in an increase in the insurance coverage, e.g., due to any changes in risks or increases in value of the Leased Items, the insurance policies shall be modified accordingly.

- 18.2 As for direct insurance policies and obligations to pension schemes, the provisions in § 21 shall apply.

## § 19

### Warranties and liability

KGaA is aware of the condition of the Leased Operation and the items attributable to it. It shall assume the Leased Operation, Leased Items, and Transferred Items (§ 3.1) in the condition in which they are at the Legal Effective Date. Warranty claims, regardless of their nature and regardless of the legal basis, shall be excluded, to the extent legally permissible. This shall also apply in particular to any claims under pre-contractual breaches of duty, violations of contractual duties, and/or breaches of contractual, pre-contractual or statutory obligations. Any rights of revocation shall be excluded as well.

### D. Employment relationships and pension obligations

## § 20

### Transfer of the employment relationships

- 20.1 With economic effect as of the Beginning Of The Lease, the employment relationship of the employees transferred to LS OpCo pursuant to § 12.1 s. 1 of the Operational Hive-down Agreement shall be retransferred to KGaA as set out in Sec. 613a *BGB* with all rights and obligations (***Transitioning Employees***).
- 20.2 KGaA is responsible vis-à-vis LS OpCo for indemnifying LS OpCo from any obligations entered into before the Beginning Of The Lease or obligations arising during the lease from the employment relationships of the Transitioning Employees, unless expressly governed otherwise in this Agreement. If Transitioning Employees bring forward any claims against LS OpCo created before the Beginning Of The Lease and/or during the lease, KGaA shall indemnify LS OpCo against such claims.
- 20.3 LS OpCo shall reimburse KGaA for any obligations transferred to KGaA resulting from the Transitioning Employees' employment relationships that arose before the Beginning Of The Lease in accordance with § 8, unless otherwise set forth in the provisions below. If the transferred obligations resulting from the Transitioning Employees' employment relationships do not arise until after the Beginning Of The Lease, yet relate to a time period in part before and in part after the Beginning Of The Lease, reimbursement shall relate to the assessment period prior to the Beginning Of The Lease. As regards the financial compensation for assuming the pension commitments, time accounts and

HR-related provisions (specifically, for anniversary bonus payments and vacation provisions) due to the Transitioning Employees, the provisions in § 21 shall prevail.

- 20.4 Upon termination of this Business Lease Agreement, the employment relationships of the employees who at the effective date of the termination of the agreement are assigned to the Leased Operations shall transfer with all rights and obligations to LS OpCo as detailed in Sec. 613a *BGB*. As regards the compensation for the obligations to be assumed by LS OpCo resulting from the employment relationships transferring pursuant to Sec. 613a *BGB*, the reimbursement mechanism set forth in § 20.2 and § 20.3 shall apply accordingly.

## § 21

### **Pension obligations, time account agreements, and Assumption of Joint Liability**

- 21.1 Upon KGaA's assuming the employment contracts of the Transitioning Employees in accordance with § 20.1, all rights and obligations arising from the pension commitments into which LS OpCo entered (***Pension Commitments***), as defined in the German Company Pension Act (*Betriebsrentengesetz*), shall be transferred to KGaA. Not included in the transition to KGaA are the pension commitments from terminated employment relationships pursuant to § 23.2 of the Operational Hive-down Agreement, which remain with LS OpCo even during the existence of the Business Lease Agreement.
- 21.2 For the Pension Commitments assumed from LS OpCo which arise from the Transitioning Employees' employment relationships that were agreed upon before the Beginning Of The Lease, KGaA shall receive compensation according to the following provisions.
- 21.3 LS OpCo hereby declares an assumption of joint liability (*Schuldbeitritt*) in respect of all direct commitments to the Transitioning Employees (***Secured Direct Commitments***) in accordance with the agreement on the assumption of joint liability in **Annex 21.3** with the full obligation to perform internally (***Assumption Of Joint Liability Life Science***) with economic effect as of the Beginning Of The Lease according to the criteria established by the *Bundesfinanzhof* (decision dated April 25, 2012 – Case No. IV R 43/09 *BStBl. II* 2017, 1228) and the tax administration (German Federal Ministry of Finance (*BMF*) on November 30, 2017 - Case No. IV C 6-S 2133/14/10001, *BStBl. I* 2017, 1619). The Secured Direct Commitments shall be secured by way of a Contractual Trust Arrangement (***CTA***) of LS OpCo. The CTA Trust Agreement is attached as Annex 11.8.a to the Operational Hive-down Agreement. The rights and obligations arising from the Assumption Of Joint Liability Life Science

and the CTA shall be governed exclusively by the assumption of joint liability agreement and the CTA trust agreement.

- 21.4 As a consequence of the Assumption Of Joint Liability Life Science, the Secured Direct Commitments shall remain the sole financial responsibility of LS OpCo even after the Beginning Of The Lease, and shall continue to be recorded there and secured by way of the CTA of LS OpCo. Given these facts, no assignment or reclassification of trust assets arising from the CTA of LS OpCo to the CTA of KGaA shall be made and no compensation payments shall be due payable to KGaA by LS OpCo. As a result of the joint and several liability of LS OpCo externally arising from the Assumption Of Joint Liability Life Science and the indemnification of KGaA by LS OpCo as relates to the obligation to perform internally, the financial compensation between the Parties is deemed settled in full.
- 21.5 As regards the pension commitments that are handled by an external pension provider (**External Pension Entitlements**), no financial resources shall be transferred upon KGaA assuming the Transitioning Employees' employment relationships pursuant to § 20.1. Instead, KGaA and LS OpCo entered into a trust agreement within the meaning of § 1 (4) of the Operational Hive-down Agreement regarding the legal positions in respect of the external pension providers in accordance with Annex 23.9 of the Operational Hive-down Agreement, according to which KGaA holds the legal positions vis-à-vis the external pension providers in trust for LS OpCo. The Transitioning Employees shall remain beneficiaries or employees entitled to pension benefits by the external pension provider, respectively. During the term of the business lease, KGaA shall be entitled to the trustor's rights and obligations (including the rights of use governed there) resulting from the collective Trust Agreement established in § 23.9 of the Operational Hive-down Agreement between KGaA and LS OpCo in respect of the External Pension Entitlements, and shall fulfill these rights and obligations. The Parties agree that, during the term of the business lease, the obligation of LS OpCo to cover the costs and to indemnify KGaA pursuant to the Trust Agreement shall not apply.
- 21.6 Upon termination of the Business Lease Agreement, LS OpCo shall continue the External Pension Entitlement for the employees transferring to LS OpCo according to § 20.4. For this purpose, upon consent of the external pension provider, it shall take the further steps necessary. Insofar as legal positions vis-à-vis external pension providers transition to LS OpCo in this context that are the subject of the Trust Agreement referred to in § 21.5, KGaA and LS OpCo shall terminate the Trust Agreement in accordance with the stipulations in the Trust Agreement and transfer the legal positions to LS OpCo - subject to consent of the respective external pension provider. § 5 of the Trust Agreement referred to in § 21.5 shall remain unaffected. As far as such an agreement is

not reached with the external pension provider, KGaA shall ensure that LS OpCo is placed in a position as if such an agreement had been concluded, namely by providing a position as insured party towards the direct insurance companies and providing a status as treasury entity (*Kassenfirma*) at the Pension Fund for German Business (*Pensionskasse für die Deutsche Wirtschaft VVaG, PKDW*).

- 21.7 Liabilities and funds for financing Pension Commitments relating to active or former employees of LS OpCo who are not Transitioning Employees shall remain with LS OpCo unless expressly agreed otherwise in this Agreement, and no payment, compensation, or indemnification of any kind shall be made.
- 21.8 The provisions of this § 21 shall apply accordingly to employees who were hired by KGaA after the Legal Effective Date, who are assigned to the Leased Operation, and who have been granted a Pension Commitment, in particular a Direct Commitment within the meaning of § 21.3 of this Business Lease Agreement. If the employees in the meaning of s. 1 receive a Pension Commitment that is performed by an external pension provider, the associated legal positions shall be included in the Trust Agreement in the meaning of § 23.9 of the Operational Hive-down Agreement. The instruction in the meaning of § 1.2 of the Trust Agreement is hereby granted by LS OpCo.
- 21.9 In respect of the obligations from time accounts, LS OpCo also declares an Assumption Of Joint Liability together with an obligation to perform according to the provisions of **Annex 21.3**, which is thus covered by the Assumption Of Joint Liability Life Science. These obligations from time accounts are also secured against insolvency via a CTA of LS OpCo. There shall be no further compensation for the obligations from time accounts. Apart from that, the provisions regarding the Assumption Of Joint Liability Life Science in this § 21 shall apply *mutatis mutandis* to securing the time accounts.
- 21.10 In addition, LS OpCo declares an assumption of joint liability with an obligation to perform for other personnel-related provisions (in particular, anniversary bonus payments and vacation provisions) according to the provisions in **Annex 21.3**, which are thus also covered by the Assumption Of Joint Liability Life Science. The provisions regarding this Assumption Of Joint Liability Life Science shall also apply accordingly to safeguard these other personnel-related provisions, however, with the particularity that there is currently no CTA guarantee for these obligations and there is also no obligation to initiate such a CTA guarantee.

## E. Consideration and term

### § 22

#### Rent

- 22.1 KGaA shall pay LS OpCo an annual rent for the lease of the Leased Items; this rent is made up of
- a) the total of the depreciation of the Leased Items for the corresponding year of lease pursuant to the *HGB*;
  - b) plus interest on the average bound equity on the commercial balance sheet of LS OpCo (i.e., equity at the beginning of the year plus equity at the end of the year, divided by two) totaling 7% p.a.; and
  - c) as far as legally owed, the value-added tax due on this rent.
- 22.2 The provisions in this Business Lease Agreement regarding the assumptions of joint liability or obligations to perform (e.g., pension provisions) and adjustment of the rent for investments shall remain unaffected by the provision in § 22.1.
- 22.3 KGaA shall pay monthly advance payments on the 15<sup>th</sup> of each following month. The final settlement for each lease year shall be determined by March 31<sup>st</sup> of the following year. The amount of the installments shall be determined *pro rata temporis* based on the amount of the last agreed annual fee. During the period until the advance payments are calculated in accordance with sentence 3 above, the monthly advance payments shall be jointly determined by the Parties using a forecast based on the comparative 2017 values or the prognostic estimate for 2018.

### § 23

#### Effective date of the Agreement

- 23.1 The Business Lease Agreement shall become effective upon registration in the commercial register of LS OpCo. The Parties to this Agreement shall ensure that this Agreement becomes effective in direct time proximity to but only after the Operational Hive-down. The contract is also subject to the condition precedent of the Operational Hive-down becoming effective by way of registration in the commercial register of KGaA.
- 23.2 Each Party may revoke this Agreement effective immediately if the Business Lease Agreement has not come into effect by the end of the day on February 28, 2019 by way of registration in the commercial register of LS OpCo.

## § 24

### Term of contract and termination

- 24.1 The Business Lease Agreement is concluded indefinitely. The Business Lease Agreement may be terminated by each Party in writing giving two-month notice as per the end of the month.
- 24.2 This Agreement may be also terminated by each Party without prior notice for cause. A termination without notice must also be in writing. Cause with regard to the termination without prior notice by LS OpCo shall be given, in particular, if
- a) KGaA sustainably exceeds its right of use pursuant to § 13,
  - b) KGaA is three months in arrears with a payment to be made pursuant to § 22, or
  - c) insolvency proceedings are opened in respect to the assets of KGaA.

## § 25

### Consequences of termination of the Agreement, unwinding

- 25.1 Upon termination of this Business Lease Agreement, KGaA shall transfer to LS OpCo the Leased Operation together with the Leased Items attributable to it at the time of the Lease End, including Leased Items acquired or created by way of maintenance, replacement, and expansion investments, in such condition that corresponds to the condition under proper management continued until the Lease End. In addition, KGaA shall transfer the Leased Items to LS OpCo in functional condition. LS OpCo shall, upon termination of the Business Lease Agreement, assume operational management of the Leased Operation and from then on exercise such power in its own name.
- 25.2 The assumption of the contracts and contract offers by LS OpCo upon termination of this agreement shall be subject to § 9.5 and § 9.6; the transfer or re-application for permits and approvals under public law to or for LS OpCo shall be governed by § 12.3. Any resale of the inventories to LS OpCo shall be subject to § 7.5 and § 7.6; the resale of the liabilities and assets (including uncertain liabilities, regardless of whether provisions were recorded for them or not) shall be subject to § 6.3 and § 8.4. As for Goodwill and the Foreground IP, the provisions in § 16 and § 17 shall apply. § 10.5 shall apply to litigation and legal proceedings. The transfer of the employment relationships from KGaA to LS OpCo associated with the termination of the Business Lease Agreement attributable to the Leased Operation upon termination of the Business Lease Agreement shall be governed by § 20.4.



- 25.3 For the purpose of unwinding the business lease, including settlement of rent in line with the duration of the lease, KGaA and LS OpCo shall compile closing accounts of LS OpCo and a pro forma balance sheet for the Leased Operation as at the Lease End.
- 25.4 Moreover, the provisions of this agreement regarding the implementation of the lease shall apply *mutatis mutandis* to its unwinding. The Parties shall support each other in implementing the necessary steps for the unwinding of this Agreement.

## **F. Final provisions**

### **§ 26**

#### **Third-party notifications, collaboration, and support**

- 26.1 LS OpCo and KGaA shall notify third parties, in particular customers and suppliers of LS OpCo, as far as it has not already done so, about the lease of the operation of LS OpCo to KGaA and the changed service relationships in an appropriate manner.
- 26.2 LS OpCo and KGaA shall collaborate in ensuring transfer of the Leased Items without interrupting operations and, in particular, shall submit any necessary or reasonable notifications to third parties and authorities.
- 26.3 LS OpCo shall make available to KGaA any documents, deeds, and evidence necessary for operating the Leased Items in physical or electronic form. Trade and operating secrets, as well as any other statutory requirements, in particular the provisions of the German data protection and privacy law, shall be adhered to.
- 26.4 KGaA shall inform LS OpCo promptly about business transactions or events materially affecting the Leased Operation. This includes, *inter alia*, entering into and ending litigation materially affecting the Leased Operation, or the revocation or imminent revocation of product approvals.

### **§ 27**

#### **Severability; scope of contract**

- 27.1 If individual provisions in this Agreement are ineffective or unenforceable, the effectiveness of the remaining provisions shall remain unaffected. The ineffective or unenforceable provision shall be replaced by such provision which the Parties mutually agree on coming closest to the economic purpose pursued

with the ineffective or unenforceable provision. The same shall apply in regard to any omissions in this Agreement.

- 27.2 If circumstances arise after concluding this Agreement as a result of which the purpose of the Agreement cannot be achieved to a substantial and sustainable extent, in particular if new statutory provisions render it permanently impossible to execute the Agreement, the Parties shall make all efforts to find another solution which serves to achieve the purpose of the Agreement.
- 27.3 The preamble and the annexes shall be integral parts of this Agreement.

## **§ 28**

### **Loyalty Clause**

- 28.1 Upon conclusion of this Agreement, not all factual and legal aspects that may arise, in particular from future technical and economic developments, from any changes in statutory regulations, or other circumstances essential for the contractual relationship can be predicted and covered exhaustively. The Parties agree that the principles of commercial loyalty shall apply to their collaboration. They mutually represent to fulfill the contractual agreements in this spirit and to take into account accordingly any changes in the situation that may become necessary in the future.
- 28.2 If there are doubts regarding the allocation of the Leased Items as regards their attribution in individual cases, such situation shall be resolved based on the purpose of the Agreement.
- 28.3 In the event that in executing this Agreement under the conditions mentioned above undue hardship occurs for one Party or the other, both Parties shall bring about an amicable understanding that takes into account the economic purpose of this Agreement according to the principles of reason and fairness.

## **§ 29**

### **Obligations to cooperate**

LS OpCo and KGaA shall make all declarations, execute all deeds, and perform any other acts that may be necessary or appropriate in connection with the lease of the Leased Operation described in this Agreement.

**§ 30**

**Written form requirement**

Any modifications to or amendments of this Business Lease Agreement, including the waiver of this written form requirement, shall be in writing, except where a stricter form is required.

**§ 31**

**Costs**

The costs of preparing, notarizing, and implementing this Business Lease Agreement shall be borne by KGaA. The costs of the meeting of shareholders of LS OpCo as well as the costs of applying for registration and registration of this Business Lease Agreement in the commercial register shall be borne by LS OpCo.

**§ 32**

**Applicable law; jurisdiction**

- 32.1 This Business Lease Agreement is governed by German law.
- 32.2 The place of jurisdiction for all disputes arising from this Business Lease Agreement is Darmstadt.

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**Annex 21.3**

**Terms of the Debt Assumption and Indemnification Agreement**

**Annex 21.3**

Terms of the Debt Assumption and Indemnification Agreement

**Terms of the Debt Assumption and Indemnification Agreement  
according to Sec. 21.3.  
of the Business Lease Agreement between  
KGaA and LS OpCo**

**Preamble**

- (1) Upon the hive-down of the Life Science sectors becoming effective, KGaA, pursuant to sec. 23.1 of the hive-down and transfer agreement between KGaA, HC OpCo, PM OpCo and LS OpCo (***Hive Down and Transfer Agreement***), inter alia transfers the employment relationships of the employees who,
- in accordance with the „Gauss HR“ system were allocated to the divisions „KGaA Life Science Darmstadt“ on the Closing Balance Effective Date within the meaning of the Hive Down and Transfer Agreement (except for employees who were already in the passive phase of partial retirement at that time) (***Employees of Life Science***) provided that they were also allocated on the Legal Effective Date within the meaning of the Hive Down and Transfer Agreement to the divisions „KGaA Life Science Darmstadt“ and those who,
  - in the period between the Closing Balance Effective Date within the meaning of the Hive Down and Transfer Agreement and the Legal Effective Date within the meaning of the Hive Down and Transfer Agreement, establish an employment relationship with the KGaA in the division „KGaA Life Science Darmstadt or have been assigned or have been allocated to this part of the business according to the „Gauss HR“ system, provided that they are still assigned to the business division“ KGaA Life Science Darmstadt on the Legal Effective Date (***Newly Entering Employees Life Science***)
- (hereinafter together referred to as ***Transferring Employees Life Science***).
- (2) The transfer of the Transferring Employees Life Science also includes all rights and obligations arising from pension provisions within the meaning of the German Company Pensions Act [*Betriebsrentengesetz*], which KGaA has granted to the Transferring Employees Life Science or into which it has entered. The pension provisions entered into by KGaA as direct commitments are also secured by a Contractual Trust Arrangement (hereinafter referred to as ***CTA***) with plan assets. To the extent that the plan assets relate to the direct commitments that will be transferred as part of the hive-down of the Life Science sector, the pro rata plan assets will be allocated to a CTA of the LS OpCo. The same applies to claims arising from agreements on value account credit balances, which

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

will also be transferred to LS OpCo when the hive-down of the Life Science sector becomes effective and is secured via a CTA using plan assets.

- (3) Upon the hive down becoming effective, the employment relationships of Transferring Employees Life Science are retransferred to KGaA with all rights and obligations in accordance with section 613a BGB. This does not only include the claims arising from the employment relationship, but also claims arising from agreements on time value account balances (hereinafter referred to as **Time Account Entitlements**), all rights and obligations arising from the Pension Commitments as defined by the German Company Pensions Act (hereinafter referred to as **Pension Commitments**). In principle, this also applies to the pension provisions that are made by way of a direct commitment.
- (4) For the purposes set out in para. II of this Agreement
- Direct commitments (hereinafter referred to as **Secured Direct Commitments**),
  - Time Account Entitlements and
  - any other personnel-related commitments, consisting in particular of
    - o claims regarding freelancers to the extent such freelancers have to be qualified either as Employees of Life Science or as Newly Entering Employees Life Science
    - o Long Term Incentive Plans (**LTIP**) (*langfristige Incentivierungspläne*)
    - o payments for a default liability pursuant to section 1 (1) sentence 3 BetrAVG
    - o death benefits,
    - o benefits for the Demography Fund,
    - o benefits for deferred compensation,
    - o benefits for vacation and flexitime,
    - o benefits for old-age part-time programs, and
    - o anniversary bonuses,

to the extent however, that that aforementioned other personnel-related commitments are not already secured as Secured Direct Commitments or Time Account Entitlements (hereafter referred to as **Other Personnel-related Obligations**), this Agreement is intended to declare a debt assumption and entire obligation to perform by LS OpCo in accordance with the criteria laid down by the Federal Fiscal Court (judgment of 25 April 2012 – file number IV R 43/09, Federal Statistical Gazette II 2017,1228) and the criteria laid down by the tax authorities (BMF circular of 30 November 2017 – file number IV C 6-S 2133/14/10001, Federal Statistical Gazette I 2017,1619) whereby the aforementioned

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

obligations are the sole economic responsibility of LS OpCo. Accession to the debt together with acceptance of performance serves the purpose to passivate the pension obligations, Time Account Entitlements, and any Other Personnel-related Obligations previously transferred to LS OpCo after the Legal Effective and with economic effect as of the Beginning of the Lease as set out in the Business Lease Agreement as liabilities of LS OpCo as of the Transfer Date for Tax Purposes (sec. 2.1 of the Hive Down and Transfer Agreement), irrespective of the transfer of the employment relationships.

Given these facts, the Parties agree on the following Debt Assumption and Indemnification Agreement:

**I.****Beneficiaries**

- (1) Beneficiaries as set forth in this Agreement are Transferring Employees Life Science with Time Account Entitlements, claims arising from Other Personnel-related Obligations or secured direct commitments whose employment relationship is transferred from LS OpCo to KGaA on the Legal Effective Date as set forth in the Business Lease and their survivors, to the extent that a survivor's pension is also granted as part of the secured direct commitments, and any persons entitled to compensation with rights deriving from the transferring employees in the context of pension compensation (hereinafter referred to as **Beneficiaries**). The Employees of Life Science within the meaning of the Hive-Down and Transfer Agreement assigned to the Life Science sector of KGaA as of the Closing Balance Effective Date within the meaning of the Hive-Down and Transfer Agreement are listed in Annex 23.1 of the Hive-down and Transfer Agreement.
- (2) The provisions of this Agreement shall apply *mutatis mutandis* to employees who are recruited directly by KGaA after the Legal Effective Date set forth in the Business Lease, were granted a commitment according to Clause II of this Agreement, or any other form of direct pension commitment and are assigned to the Life Science sector.

**II.****Secured Obligations**

- (1) The following direct commitments within the meaning of the Company Pensions Act (BetrAVG) of the Transferring Employees Life Science are recognized as secured direct commitments as a result of debt accession, which are transferred from LS OpCo to Merck



**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

KGaA on the Beginning of the Lease within the meaning of the operating lease agreement. These include in particular:

- Merck Pension Plan 2005,
  - Company Pension Scheme 1985,
  - Company Pension Directive 1976,
  - Operating Agreement on pensions for former Biotest employees.
- (2) The debt assumption also includes Time Account Entitlements and Other Personnel-related Obligations within the meaning of paragraph 4 of the preamble.
- (3) This shall apply irrespective of whether the transfer of commitments and claims occurs as a result of a transfer of the respective employment relationship based on an individual contract agreement or in accordance with sec. 613a BGB.
- (4) The extent of the security is determined in accordance with Clauses III and IV of this Agreement.

**III.****Debt Assumption**

- (1) LS OpCo hereby assumes the secured direct commitments, time account claims, and Other Personnel-related Obligations upon the Business Lease Agreement becoming effective as of the Legal Effective Date within the meaning of the Business Lease Agreement and with economic effect from the Beginning of the Lease within the meaning of the Business Lease Agreement at midnight (hereafter referred to as **Secured Claims**) in such manner that, in accordance with the principles of a contract in favor of third parties, the beneficiaries may assert a full direct claim against LS OpCo for the fulfillment of their secured claims within the existence of this debt accession and indemnity agreement. This debt assumption shall not only apply to the secured claims already accrued until the Beginning of the Lease as set forth in the Business Lease Agreement, but also to the secured claims still accrued after the Beginning of the Lease set forth in the Business Lease Agreement for the duration of the Business Lease, including such secured claims which are only established after the Beginning of the Lease (e. g. LTIP or benefits for vacation and flexitime from financial years commencing after the Beginning of the Lease) (hereinafter referred to as **Secured Claims To Be Earned**).

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

- (2) If KGaA is obliged to adjust existing pensions from secured direct commitments based on an adjustment audit in accordance with section 16 BetrAVG, debt assumption shall also include the adjustment amount.
- (3) PSV premiums payable by KGaA to the Pension Assurance Association (Pensionssicherungsverein – PSV) for the secured direct commitments shall also be borne by LS OpCo either by direct payment or by way of reimbursement.
- (4) The KGaA must compensate LS OpCo for the Secured Claims To Be Earned. This is to be measured on the basis of the annual allocations to provisions and liabilities in the commercial balance sheet of LS OpCo in connection with the secured claims insofar as the allocations relate to the secured claims still to be earned; in the case of retirement benefit obligations or comparable long-term obligations due in Section 246 (2) sentence 2 of the German Commercial Code (HGB) is based on the value which results without offsetting in accordance with Section 246 (2) sentences 2,3 of the German Commercial Code (HGB). LS OpCo will determine the compensation amount annually on the respective balance sheet date of LS OpCo (December 31) as part of the preparation of the annual financial statements in accordance with German commercial law and communicate this amount to the KGaA. The settlement amount is due four weeks after the preparation of the annual financial statements of LS OpCo in accordance with commercial law and notification to the KGaA.
- (5) If there is an obligation with regard to a secured claim (such as because of a (partial) operation transfer within the meaning of section 613a BGB, a single contractual transfer of the employment relationship, measures according to the German Reorganization Act [*UmwG*], shall be transferred pursuant to section 4 BetrAVG, etc.) by individual contract, by law or universal succession from KGaA to another debtor, the securing rights from the debt assumption expire with effect from the time of the transfer. In the event of a possible continuing joint and several liability of the KGaA, the assumption of liability shall continue to apply with respect to the liability debt to the extent and for the duration of the joint and several liability.

**IV.****Indemnification / Fulfillment / Refund**

- (1) KGaA as well as LS OpCo assume that KGaA directly fulfills the secured claims upon occurrence of the respective benefit claim. In this case, LS OpCo of KGaA shall reimburse all benefits upon submission of the corresponding supporting evidence, as well as the debt assumption according to Clause III of this Agreement. KGaA shall have the right to demand reasonable advance payments at its reasonable discretion; in particular,

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

the costs and expenses expected to be incurred by KGaA in the respective year are determined based on the annual payment budgets, for which LS OpCo shall make advance payments to KGaA upon request. In each of the aforementioned cases, a claim for compensation of KGaA against LS OpCo with regard to and in the amount of the advance already paid shall be excluded.

- (2) Payments by KGaA or by third parties to fulfill the secured claims owed to the beneficiaries shall reduce the obligation arising from this debt assumption to the corresponding extent.
- (3) Clause III paragraph 5 shall apply accordingly to the indemnification and reimbursement.
- (4) Insofar as claims are brought forward against LS OpCo by beneficiaries directly based on the debt assumption agreed on in Clause III, the payments shall be made by LS OpCo, to the extent described in Clause III of this Agreement. This also applies to the secured claims. In such a case, KGaA shall provide LS OpCo with all necessary documents and data in compliance with data protection regulations.
- (5) In the amount attributable to the Secured Claims, KGaA will transfer to LS OpCo the economic ownership of the trust assets held by Merck Pensionstreuhand e. V. and the Metzler Trust e. V. (the **Trustees**) based on respective agreements with the respective Trustees. Within the scope of these trust arrangements, LS OpCo may also make funding contributions with regard to the Secured Claims To Be Earned. An obligation to make an endowment for these claims only exists if there is a legal obligation to do so.

**V.****Term, Termination, and Other Provisions**

- (1) The ordinary termination of this Debt Assumption and Indemnity Agreement shall be excluded during the duration and scope of the Business Lease. The amicable cancellation and sec. V paragraph 2 of this Agreement shall remain unaffected.
- (2) This Debt Assumption and Indemnification Agreement shall be terminated to the extent that the LS OpCo becomes the direct debtor of the secured claims, especially in the case of a (partial) operation transfer to LS OpCo according to section 613a BGB. This shall also apply in the event of a full or partial termination of the Business Lease insofar as such termination results in a (partial) transfer to LS OpCo with regard to the beneficiaries concerned or if other employment relationships are transferred from Merck KGaA to LS OpCo. This partial or complete termination of the Business Lease results in the expiration of the claims of KGaA and the beneficiaries from this Debt Assumption and Indemnification Agreement with effect for the future without a separate notice to the

**Annex 21.3****Terms of the Debt Assumption and Indemnification Agreement**

beneficiaries being required, so that from that date payments may no longer be required from LS OpCo after the termination date of this Agreement.

- (3) Moreover, both Parties may terminate this Debt Assumption and Indemnification Agreement either after the Business Lease has expired by mutual consent or unilaterally, giving notice of 6 months as per the end of the calendar year. Otherwise, the right to terminate the Agreement for due cause shall remain unaffected.
- (4) In the event of a mutual termination of the Debt Assumption and Indemnification Agreement pursuant to sec. V. paragraph 1 or a termination pursuant to sec. V paragraph 3, the Parties shall agree to compensate the adverse economic effects for KGaA arising from the termination of the Debt Assumption and Indemnification Agreement as compared to the continuation of the Debt Assumption and Indemnification Agreement to the extent that KGaA has to bear economic burdens from the secured claims as a result of terminating this Agreement. Such compensation shall be made with regard to the secured claims to the extent that they have already been fully earned by the Beneficiaries by the termination of the Debt Assumption and Indemnification Agreement. When assessing these adverse economic effects and the necessary compensation, the accepted actuarial principles and recognized accounting principles of German GAAP must be taken into account. Insofar as the termination of the debt assumption results in the collateral via the CTA of LS OpCo for the beneficiaries being cancelled, KGaA undertakes to again ensure the security with regard to the secured direct commitments and the Time Account Entitlements of the beneficiaries via their CTA. Pro rata trust assets, which are again made available to KGaA in this context, must be taken into account when determining the compensation of the adverse economic effects on KGaA pursuant to this paragraph 4. The conclusion of an agreement to compensate for the adverse effects arising from the termination shall be prerequisite for the effectiveness of the termination of the Debt Assumption and Indemnification Agreement.
- (5) The parties also reserve the right to make adjustments to the existing agreement. This applies in particular in the case of a change of the procedure for the implementation of the secured direct commitments. Neither any notification nor consent of the beneficiaries is required in this regard.
- (6) As far as employment relationships of the Transferring Employees Life Science should not transfer to LS OpCo as part of the hive down of the sector KGaA Life Science, the deposit of the Secured Claims within the meaning of § 20 UmwStG is performed by way of an debt assumption and indemnification, effective as of the Closing Balance Effective Date (sec. 2.2 of the Hive Down and Transfer Agreement).
- (7) To the extent that currently or in the future, contrary to expectations, there should be obstacles to the transfer of the economic ownership to LS OpCo as stipulated in sec. IV.5

**Annex 21.3**

**Terms of the Debt Assumption and Indemnification Agreement**

or in the event that KGaA would have continue to provide for the endowment concerning the Secured Claims or the Secured Claims to Be Earned, sec. 56.3 of the Hive Down and Transfer Agreement shall apply accordingly.

- (8) Should one or more provisions of this Agreement be or become invalid, either as a whole or in part, the remaining provisions of this Agreement shall remain unaffected. KGaA as well as LS OpCo agree to replace the ineffective provision with an effective provision that comes as close as possible to the purpose pursued by the ineffective provisions. The same applies to any omissions in the Agreement. In the event of void or invalid provisions relating to deadlines or periods, those deadlines or time periods shall be deemed to be agreed which, depending on the will of the Parties of this Agreement, shall be at least or at most compatible with mandatory law.
- (9) This Agreement shall be governed by German law.

\*\*\*

**Annex 44.1.c**

Draft of the Business Lease Agreement between KGaA and PM OpCo

## **Business Lease Agreement**

between

**Merck Performance Materials Germany GmbH, Darmstadt, Germany,  
an affiliated company of Merck KGaA, Darmstadt, Germany,**

as the lessor

and

**Merck KGaA, Darmstadt, Germany**

as the lessee

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## Preamble

- (1) Merck Kommanditgesellschaft auf Aktien, Darmstadt, Germany, headquartered in Darmstadt, Germany, registered in the commercial register of the Darmstadt local court under HRB 6164 (**KGaA** or **Merck KGaA, Darmstadt, Germany**) is, together with its German and foreign subsidiaries (**Group**), a globally operating science and technology company and divided into the three group-wide Business Sectors Healthcare, Life Science, and Performance Materials.
- (2) KGaA is the sole shareholder of Merck Performance Materials Holding GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, headquartered in Darmstadt, registered in the commercial register of the Darmstadt local court under HRB 97192, and of Merck Performance Materials Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, headquartered in Darmstadt, registered in the commercial register of the Darmstadt local court under HRB 93768 (**PM OpCo**). KGaA as the controlling company and PM OpCo as the controlled company have entered into a domination and profit and loss transfer agreement within the meaning of Sec. 291 (1) s. 1 German Stock Corporations Act (*Aktiengesetz – AktG*). KGaA and PM OpCo are hereinafter also individually referred to as **Party** and collectively as **Parties**.
- (3) The operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim along with the associated assets and liabilities (hereinafter the **Operating Unit KGaA Healthcare**, the **Operating Unit KGaA Life Science**, and/or the **Operating Unit KGaA Performance Materials** and, regardless of the Business Sector, an **Operating Unit** or collectively **Operating Units**), shall be, in accordance with Sec. 20 of the German Reorganization Tax Act (*Umwandlungssteuergesetz – UmwStG*), hived down to three separate subsidiaries via a hive down by absorption pursuant to Sec. 123 (3) (1) German Reorganization Act (*Umwandlungsgesetz – UmwG*) by way of partial universal legal succession, as well as in part by measures transferring or granting beneficial ownership (the **Operational Hive-down**; and the Agreement in Part A of this notarial deed entered into for its implementation, the **Operational Hive-down Agreement**). The Operating Unit KGaA Performance Materials shall be hived down to PM OpCo. Immediately after the completion of the Operational Hive-down, all company shares in PM OpCo held by KGaA shall be hived down by way of a hive-down for the purpose of transfer to Merck Performance Materials Holding GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany (the **Holding Hive-down**; the Agreement entered into for its implementation in Part B of this notarial deed, the **Holding Hive-down**

**Agreement).** The Operational Hive-down and the Holding Hive-down shall each take place with economic effect as of January 1, 2018.

- (4) The Operational Hive-down and the related separation of the operational activities of the Healthcare, Life Science, and Performance Materials Business Sectors operated within KGaA in Darmstadt and Gernsheim to three subsidiaries support the introduction of global, Business Sector-specific company management systems (**Enterprise Resource Planning systems** or **ERP systems**) for the German business. At the same time, the business activities of the Operating Units thus far operated within KGaA can be integrated more efficiently into the management of the global Business Sectors. In addition, the Operational Hive-Down, in conjunction with the subsequent Holding Hive-Down, serves to align the structure of the German business, which is currently managed within KGaA as “operational parent company” (*Stammhauskonzern*), with the globally applicable structural principles of the Group. These strengthen the Group’s ability to respond quickly and flexibly to available strategic development options as well as the adaptability of the Business Sectors to changes in the market environment. The Group’s global innovation and growth strategy is in this way also implemented in Germany.
- (5) The remaining German and foreign subsidiaries of KGaA – and thus the majority of its assets – will not be subject to the hive-down measures. The hive-down measures also do not aim at establishing “global sub-groups” under separate Business Sector holdings. The strategic management of the global Business Sectors Healthcare, Life Science, and Performance Materials shall continue to be carried out directly by KGaA.
- (6) Since the technical requirements for introducing the ERP systems at PM OpCo currently do not exist, the business operation of the Operating Unit KGaA Performance Materials shall be leased back temporarily from PM OpCo to KGaA immediately after the legal effective date of the Operational Hive-down until the introduction of the ERP system, planned to take place in the course of 2020. This temporary lease(back) of the operation is subject to this Business Lease Agreement pursuant to Sec. 292 (1) (3) German Stock Corporations Act (the **Business Lease Agreement**). Corresponding Business Lease Agreements shall also be concluded by Merck Healthcare Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, and Merck Life Science Germany GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany, (collectively with PM OpCo, regardless of the Business Sector, the **OpCos**, and each individually an **OpCo**) with KGaA. The overall management of the Operating Units by KGaA in its own name and for its own account, accompanied by the leaseback of operations by the OpCos, makes the separate operational control as well as mapping of the operational income and expenses for the OpCos in separate ERP sys-

tems temporarily obsolete. Upon introduction of the ERP system at PM OpCo, the Business Lease as it relates to the Leased Operation Performance Materials shall be terminated. The OpCos shall then conduct their business activity in their own name and for their own account.

- (7) The measures described above are part of a joint entrepreneurial concept and shall be presented to the Annual General Meeting of KGaA as a single transaction on April 27, 2018 for its approval. When registering the measures with the commercial register, the Parties will work to ensure that this Business Lease Agreement and the Holding Hive-down will be registered in the commercial register only after the Operational Hive-down has become effective.
- (8) If and to the extent that the Parties refer to the Operational Hive-down Agreement or its annexes (Annex A to this notarial deed) in this Business Lease Agreement, the content of the provisions to which reference is made and the annexes shall become an integral part of this Business Lease Agreement. The terms defined in the Operational Hive-down Agreement are used in the same meaning in this Business Lease Agreement.

NOW THEREFORE, the Parties conclude the following Business Lease Agreement:

### **A. Agreeing on the Business Lease**

#### **§ 1**

##### **Leased Operation**

- 1.1 PM OpCo shall lease, according to the stipulations of this Agreement, the entire operations of its company to KGaA (**Leased Operation**). KGaA shall manage the Leased Operation during the term of this Agreement in its own name and for its own account. Unless otherwise governed herein, the provisions of Sec. 581 et seq. German Civil Code (**BGB**) shall apply.
- 1.2 The domination and profit and loss transfer agreement existing between PM OpCo and KGaA shall remain unaffected by this Business Lease Agreement.

#### **§ 2**

##### **Legal Effective Date, Beginning Of The Lease**

The Agreement shall become effective upon registration in the commercial register of PM OpCo (**Legal Effective Date**). Notwithstanding the aforesaid, the lease shall become effective with retroactive economic effect as of January 1, 2018, 0:00 hours (**Beginning Of The Lease**). Hence, the Parties shall deem themselves in such position internally – in particular as regards the

payment of the rent and the usufruct from the Leased Operation – as if the lease was already in effect at this time.

## B. Subject Of The Lease

### § 3

#### Description of the Leased Items, general principles, granting possession

- 3.1 As described in more detail or referenced in § 27 to § 38 of the Operational Hive-down Agreement and in § 48 to § 51 of the Operational Hive-down Agreement, the subject of the lease includes all items and legal relationships of the assets and legal relationships of PM OpCo required to manage the Leased Operation. Excluded from the Lease shall be the receivables and legal relationships of the assets and liabilities of PM OpCo that shall be sold and transferred by PM OpCo to KGaA at the Beginning Of The Lease and sold back by KGaA to PM OpCo at the Lease End. Receivables from and liabilities to employees assigned to the Leased Operation shall be subject to § 20 and § 21. The items of the lease and legal relationships are referred to as **Leased Items** and the items and legal relationships transferred to KGaA are referred to as **Transferred Items**.
- 3.2 If the Leased Items and the Transferred Items can be recognized in the balance sheet, they are included in the segment balance sheet of the Operating Unit KGaA Performance Materials as of January 1, 2018, 0:00 hours, derived from the audited financial statements of KGaA as of December 31, 2017, 24:00 hours, which is attached to the Operational Hive-down Agreement as Annex 27.3 (**Performance Materials Hive-down Balance Sheet**). The subject of the lease and transfer also includes – subject to the special provisions of this Agreement, and if not excluded from the lease or the transfer – all items that are not required to be recorded in the balance sheet, that cannot be disclosed in the balance sheet, or that are actually not disclosed in the balance sheet attributable to the Leased Operation.
- 3.3 The additions and disposals of Leased Items and Transferred Items as well as other rights and obligations (including surrogates *in rem* or under the law of obligations of a Leased Item) during the period between the Beginning Of The Lease and the Legal Effective Date shall be taken into account for the lease or transfer according to the provisions below.
- a) PM OpCo shall lease or transfer to KGaA the Assets and Liabilities Items in the broadest sense attributable to the Leased Operation which arise during the period from the Beginning Of The Lease to the Legal

Effective Date or were generated during said period and still exist at the Legal Effective Date.

- b) The Assets and Liabilities Items attributable in the broadest sense in terms of origin and intended purpose to the Leased Operation which were terminated, sold, or otherwise transferred during the period from the Beginning Of The Lease to the Legal Effective Date or that no longer exist on the Legal Effective Date shall not be leased or transferred to KGaA. Instead, they shall be substituted by the surrogates in rem or under the law of obligations existing as at the Legal Effective Date.
- 3.4 PM OpCo shall grant KGaA, at the Legal Effective Date, possession and/or physical control of the Leased Items and the Transferred Items and ensure that KGaA can obtain the benefits from the Leased Items in its own name and for its own account. Thus, KGaA shall obtain the agency implied in fact (*Schlüsselgewalt*) over the Leased Items.
- 3.5 If for individual Leased Items a lease is not legally permissible or is not feasible for any other reasons, PM OpCo shall exercise its rights arising from these Leased Items only as per the instructions of KGaA in its capacity as the lessee, and apart from that treat KGaA internally as a lessee of these Leased Items.

## § 4

### Intangible assets and know-how

- 4.1 PM OpCo shall lease to KGaA all Transferred Patent Rights Performance Materials and Transferred Rights Of Use Performance Materials described in detail in § 28.2 of the Operational Hive-down Agreement attributable to the Leased Operation and all know-how attributable only to the Performance Materials Business Sector within the meaning of § 29 of the Operational Hive-down Agreement (collectively, the **Leased IP**), in particular the intangible assets listed in Annex 28.2.a and Annex 28.2.b to the Operational Hive-down Agreement.
- 4.2 Unless otherwise governed in § 4.3 and § 4.6, the lease of the Leased IP shall be carried out in accordance with the following licensing terms:
- a) PM OpCo shall grant KGaA a non-exclusive, worldwide, non-transferrable license restricted to the term of this Business Lease Agreement to use the Leased IP only within the scope of ordinary business operations of the Leased Operation.

- b) KGaA shall be authorized to grant sub-licenses for the Rights Of Use granted to it pursuant to § 4.2 lit. a) only within the scope of ordinary business operations of the Leased Operation.
  - c) The license granted pursuant to § 4.2 lit. a) shall lapse when the Business Lease Agreement is terminated. It can apart from that only be terminated insofar as the right of termination cannot be waived under the applicable laws.
  - d) The Rights Of Use granted pursuant to § 4.2 lit. a) shall lapse upon termination of the Business Lease Agreement. In this case, KGaA is obligated to immediately cease use of the licensed Leased IP pursuant to § 4.2 lit. a).
  - e) The Rights Of Use granted pursuant to § 4.2 lit. a) shall always apply only to the extent to which PM OpCo is authorized to dispose of them at the Legal Effective Date. The Rights Of Use granted pursuant to § 4.2 lit. a) shall have no impact on the licenses granted under the Leased IP to third parties and the rights and obligations of third parties or of PM OpCo governed therein.
  - f) § 17 of this Business Lease Agreement shall remain unaffected.
- 4.3 During the term of the business lease, KGaA shall be entitled to the trustor's rights and obligations resulting from the Trust Agreement (including the rights of use governed therein) established in § 28.3 lit. b) of the Operational Hive-down Agreement between KGaA and PM OpCo in respect of registered property rights, and shall fulfill these rights and obligations.
- 4.4 The Parties agree that, during the term of the business lease, the obligation of PM OpCo to cover the costs and to indemnify KGaA pursuant to § 28.6 and § 28.7 of the Operational Hive-down Agreement shall not apply.
- 4.5 The Parties agree that the Transferred Rights Of Use Performance Materials as well as the Trust Agreements transferred as per § 28.3 lit. a) of the Operational Hive-down Agreement shall be transferred to KGaA for the term of the business lease by transferring the relevant contracts pursuant to § 9.
- 4.6 As far as PM OpCo has been granted rights of use in Shared IP Performance Materials in accordance with § 28.4 of the Hive-down Agreement and know-how attributable not exclusively to the Performance Materials Business Sector in accordance with § 29.2 of the Hive-down Agreement, KGaA shall exercise such rights for the duration of the business lease in its own right.



## § 5

### Tangible assets

- 5.1 PM OpCo shall lease to KGaA all tangible assets described in detail in § 30.1 to § 30.3 of the Operational Hive-down Agreement attributable to the Leased Operation and those tangible assets described in Annex 30.1 to the Operational Hive-down Agreement, including the low-value assets. This shall also apply if third-party title of ownership in the assets is reserved or PM OpCo has assigned such title to third parties as collateral.
- 5.2 As regards tangible assets of KGaA for which an intercompany service agreement pursuant to § 30.5 of the Operational Hive-down Agreement was concluded between PM OpCo and KGaA or another OpCo, KGaA shall be entitled to any and all rights arising from this service agreement during the term of the business lease.

## § 6

### Receivables

- 6.1 PM OpCo shall sell to KGaA all receivables attributed to the Leased Operation at the Beginning Of The Lease and described in § 31 of the Operational Hive-down Agreement, specifically those listed in Annex 31.2 to the Operational Hive-down Agreement, and shall assign them to KGaA. KGaA hereby accepts the sale and assignment. The sale of the receivables shall take economic effect at the Beginning Of The Lease at the carrying amounts disclosed in the commercial-law Performance Materials Hive-down Balance Sheet for the overall item "Receivables and other assets." The purchase price shall be due within four weeks of the Legal Effective Date of the business lease.
- 6.2 If an assignment of the receivables is not permissible or feasible, PM OpCo shall herewith grant KGaA the power to collect the relevant receivables, and the Parties shall be treated internally as if the relevant receivable had been effectively assigned (Trust Agreement as set out in § 1.4 of the Operational Hive-down Agreement).
- 6.3 After the termination of this Business Lease Agreement, KGaA shall be authorized and, at the request of PM OpCo, obligated, with effect from the termination of the agreement (**Lease End**), to sell to PM OpCo the receivables existing at the Lease End that are attributable to the Leased Operation in a corresponding application of the above stipulations, at the effective carrying amount at Lease End (to be determined according to the same principles as relate to sale under § 6.1). The purchase price shall be due within four weeks of the Lease End.

- 6.4 Any prepaid expenses existing at the Beginning Of The Lease or at the Lease End shall be settled upon payment of the purchase prices pursuant to § 6.1 and § 6.3 on the basis of the respective carrying amount.
- 6.5 In deviation from § 6.1, the provisions in § 20 and § 21 shall apply to employees' receivables.

## § 7

### Inventories

- 7.1 PM OpCo shall sell to KGaA all inventories and other current assets attributable in full or on a prorated basis to the Leased Operation, in particular raw materials, consumables and supplies, work in process and finished products and merchandise, irrespective of whether they are at sites, in transit or on consignment, particularly those described in detail in § 32 of the Operational Hive-down Agreement, and specifically those listed in Annex 32.3 to the Operational Hive-down Agreement. Inventories shall be sold on the Legal Effective Date with retroactive economic effect as of the Beginning Of The Lease at the carrying amounts disclosed in the commercial-law Performance Materials Hive-down Balance Sheet for the overall item "Inventories." The purchase price shall be due within four weeks of the Legal Effective Date of the business lease.
- 7.2 The Parties agree that the title, possession, and all other rights to the inventory items sold in accordance with § 7.1 shall be transferred to KGaA at the Legal Effective Date. As far as, at the time of the transfer of the inventory items, third parties have rights reserved in these items or these items are transferred as collateral to third parties, PM OpCo shall transfer to KGaA at the Legal Effective Date the entitlement right in these items, its claims for surrender, if such claim exists, and all other claims to which it is entitled in this context.
- 7.3 If certain inventory items are in the possession of third parties at the Legal Effective Date, PM OpCo shall assign to KGaA its respective repossession rights.
- 7.4 If additional actions or declarations are required for the transfer of title or for granting possession, the Parties shall immediately arrange for what is necessary or required.
- 7.5 After the termination of this Business Lease Agreement, KGaA shall be authorized and, at the request of PM OpCo, obligated, with effect as of the Lease End, to sell to PM OpCo the inventories existing at the Lease End that are attributable to the Leased Operation in a corresponding application of the above stipulations, at the carrying amount then applicable (to be determined accord-

ing to the same principles as relate to sale under § 7.1). The purchase price shall be due within four weeks of the Lease End. PM OpCo shall have the right to limit the sale to such quantities as are necessary to continue the Leased Operation. Items from inventories whose resale PM OpCo has waived may be used or exploited by KGaA at the Lease End at its own discretion.

- 7.6 Both the inventories to be sold hereunder and the inventories to be sold back upon termination of this Business Lease Agreement shall be sold in each case in the condition in which they are at the time of sale to the respective other Party, without any warranty for defects. Warranty claims, regardless of their nature and regardless of the legal basis, shall herewith be excluded to the extent legally permissible.

## § 8

### Liabilities and provisions

- 8.1 KGaA shall take over from PM OpCo, with economic effect as of the Beginning Of The Lease, all liabilities and/or contingent and uncertain liabilities that are attributable to the Leased Operation and that are described in detail in § 33 of the Operational Hive-down Agreement, specifically those listed in detail in Annex 33.4.a and Annex 33.4.b to the Operational Hive-down Agreement.
- 8.2 Such assignment pursuant to § 8.1 excludes liabilities or contingent and uncertain liabilities that would be subject to prohibitions, restrictions, or assessment restrictions on the disclosure of certain items in the financial statements as set forth in Sec. 4f (1) s. 1 German Income Tax Code (*Einkommensteuergesetz - EStG*). If the legal ground on which such a liability is based is transferred to KGaA on the basis of a provision in this Agreement or by law, PM OpCo hereby, with economic effect as of the Beginning Of The Lease, enters into the liability according to the criteria established by the Federal Fiscal Court (*Bundesfinanzhof*) (decision dated April 25, 2012 - Case No. IV R 43/09, Federal Tax Gazette (*BStBl.*) II 2017, 1228) and the tax administration (German Federal Ministry of Finance (*BMF*) on November 30, 2017 - Case No. IV C 6-S 2133/14/10001, *BStBl.* I 2017, 1619) and takes over the fulfilment thereof in the internal relationship with KGaA (Sec. 329 *BGB*).
- 8.3 For the liabilities to be assigned to and accepted by KGaA pursuant to § 8.1, taking § 8.2 into account, PM OpCo shall pay to KGaA a compensation that corresponds to the commercial-law carrying amounts disclosed in the Performance Materials Hive-down Balance Sheet for these overall items (*negative purchase price*). The negative purchase price is due within four weeks of the Legal Effective Date of the business lease.

- 8.4 After the termination of this Business Lease Agreement, KGaA shall be authorized and, at the request of PM OpCo, obligated, with effect as of the Lease End, to sell to PM OpCo the liabilities existing at the Lease End that are attributable to the Leased Operation under § 8.1 and § 8.2, in a corresponding application of the above stipulations (with determination of the effective carrying amount according to the same principles as relate to sale under § 8.3). The negative purchase price falls due within four weeks of the Lease End.
- 8.5 Any deferred income existing at the Beginning Of The Lease or at the Lease End shall be settled upon payment of the purchase prices pursuant to § 8.3 and § 8.4 on the basis of the respective carrying amount.
- 8.6 In deviation from § 8.1, the provisions in § 20 and § 21 shall apply to liabilities due to employees.

## § 9

### Entering into contracts and contract offers

- 9.1 Within the scope of the business lease, KGaA shall assume all Transferred Contractual Relationships Performance Materials attributable to the Leased Operation and described in more detail in § 34 of the Operational Hive-down Agreement, in particular those listed in Annex 34.2 to the Operational Hive-down Agreement, by way of assumption of contract with discharging effect. The assumption of contract takes place with economic effect as of the Beginning Of The Lease, but in each case in the form and with the content of the contractual relationships existing at the Legal Effective Date. The retransfer of the contractual relationships attributable to the Leased Operation at the Lease End shall take place in accordance with § 9.5 of this Agreement.
- 9.2 Contractual relationships that are not attributable to the Leased Operation, particularly partnership agreements, domination and profit and loss transfer agreements, or agreements about silent partnerships shall not be transferred.
- 9.3 To the extent that the transfer of the contractual relationships requires the consent of a third party, in particular the respective contractual partner in the transferred contracts, PM OpCo and KGaA shall make their best efforts to obtain such consent immediately.
- 9.4 If and to the extent that a transfer of the contracts, contract offers, entitlements, or similar legal matters with discharging effect is not feasible or is not feasible in such manner that it becomes effective at the Beginning Of The Lease, KGaA shall assume any and all obligations resulting from such contracts, contract offers, entitlements, or similar legal matters. PM OpCo shall assign all claims and rights resulting from these contracts, contract offers, enti-

tlements, or similar matters to KGaA. In addition, the Parties shall treat each other internally as if the assumption with discharging effect of the contracts, contract offers, entitlements, and similar legal matters had occurred externally with effect as of the Beginning Of The Lease; in particular, risks, benefits, and obligations are considered transferred as of the Beginning Of The Lease. If and to the extent required, PM OpCo shall continue the relevant contractual relationship on a trust basis in its own name for the account of KGaA and, as far as legally possible, assign to KGaA the contractual relationship or the benefit resulting from the contractual relationship during the term of the business lease. In addition, PM OpCo is obligated, as far as legally possible, to grant to KGaA the power of attorney to exercise rights as they relate to the respective contractual relationship or to assign the corresponding rights to KGaA for exercise. Insofar as KGaA cannot exert a legal position effectively in external relationships, PM OpCo shall act as agent and trustee for KGaA (***Trust Agreement***).

- 9.5 Upon termination of this Business Lease Agreement, PM OpCo shall assume from KGaA, with economic effect as of the Lease End, the contractual relationships existing at the Lease End that can be functionally assigned to the Leased Operation, within the scope legally permissible. § 9.3 and § 9.4 shall apply accordingly.
- 9.6 When obtaining consent pursuant to § 9.3, the Parties shall endeavor, to the extent appropriate, to obtain consent for the retransfer of the contract to PM OpCo upon termination of the business lease pursuant to § 9.5 at the same time. In addition, KGaA shall, for all contracts newly concluded during the business lease, to the extent appropriate, undertake to obtain consent from the contractual partner for the transfer of the contract to PM OpCo upon termination of the business lease pursuant to § 9.5.
- 9.7 During the term of the business lease, KGaA shall be entitled to the trustor's rights and obligations resulting from the Trust Agreement between KGaA and PM OpCo in the meaning of § 49.2 of the Operational Hive-down Agreement ("Shared Agreements").

## § 10

### **Litigation and legal proceedings**

- 10.1 To the extent that the Leased Items or Transferred Items under this Agreement relate to litigation and legal proceedings specified in § 36.1 to § 36.4 of the Operational Hive-down Agreement, listed in particular in Annex 36.3 to the Operational Hive-down Agreement, are transferred to PM OpCo in the course of the hive-down, PM OpCo shall retransfer such litigation and legal proceedings to KGaA for the duration of the business lease.

- 10.2 With the litigation and other legal proceedings subject to § 10.1, the advisory and contractual relationships with third parties related thereto shall also be transferred to KGaA.
- 10.3 To the extent that, according to the provisions of the applicable procedural rules, the transfer of party status from PM OpCo to KGaA in full depends on other circumstances, such as the consent of the other participant(s) in the proceedings, the Parties shall work towards these steps being taken and towards KGaA replacing PM OpCo as a party in the litigation and other procedural legal relationships subject to this provision.
- 10.4 If no change of party pursuant to § 10.1 or § 10.3 occurs, PM OpCo shall continue the proceedings as the institution of legal standing. Proceedings shall be conducted for the account of KGaA. Internally, the ongoing management of proceedings shall be assumed by KGaA. PM OpCo shall thus not conduct any procedural acts (in particular agree on any settlement, waiver, acknowledgment, confession, withdrawal, or amendment of actions) without the prior consent of KGaA. KGaA shall indemnify PM OpCo with regard to any liabilities and costs resulting from any litigation and other procedural legal relationships that are subject to this provision. PM OpCo shall support KGaA in such proceedings with the objective of minimizing the economic damage resulting from the proceedings.
- 10.5 KGaA hereby undertakes already to transfer the litigation and legal proceedings assigned to the Operating Unit KGaA Performance Materials pursuant to § 10.1 and such litigation and legal proceedings in the meaning of § 10.1 that are re-established until the Lease End to PM OpCo with effect as of the termination date of this Business Lease Agreement. § 10.2 to 10.4 shall apply *mutatis mutandis* to the rescission of the Lease.

## § 11

### Memberships

- 11.1 PM OpCo shall transfer to KGaA any memberships that are transferred to PM OpCo as part of the Operational Hive-down as set out in § 37 of the Operational Hive-down Agreement, taking into account any terminations or re-establishments during the period between the Beginning Of The Lease and the Legal Effective Date.
- 11.2 Insofar as a membership to be transferred (in part) to PM OpCo under § 37 of the Operational Hive-down Agreement has not been assigned or transferred to PM OpCo in the course of the hive-down, it shall remain with KGaA for the term of the business lease and shall be transferred to PM OpCo upon termination of the business lease. If a transfer of such memberships is not possible

even after termination of the business lease, KGaA shall support PM OpCo in re-applying for these memberships, assuming that such a membership is required and desired.

## § 12

### **Permits and approvals required under public law, operator responsibility**

- 12.1 As part of the Operational Hive-down, KGaA and PM OpCo have entered into a Trust Agreement in the meaning of § 1.4 of the Operational Hive-down Agreement with respect to the permits relating to the operations of PM OpCo and specified in Annex 48.2 of the Operational Hive-down Agreement, under which KGaA holds the permits as a trustee exclusively for or also for the PM OpCo. KGaA shall be entitled to the trustor's rights and obligations resulting from this Trust Agreement during the term of this Business Lease Agreement.
- 12.2 During the term of the business lease, KGaA shall remain the operator and owner of the permits for the facilities, land, and equipment of the Leased Operations with all associated rights and obligations, and shall exercise in its previous scope unrestricted physical control and right of disposal over all facilities, land, and equipment of the Leased Operation. During the term of the business lease, KGaA shall be responsible for complying with all environmental and public law provisions and requirements of the respective approvals that are associated with its position as operator (including such requirements as are relevant for supplying leased plants or for removing waste water and waste and, if relevant, legal requirements regarding incidents). KGaA shall also continue to be the sole contact in this context for the competent authorities and third parties and to conduct proceedings and consultations under environmental and approval-related law with authorities and third parties as the responsible party and in its own name. KGaA remains during the term of the business lease the legal owner of all permits under product law in the meaning of § 48.7 of the Operational Hive-down Agreement. KGaA shall continue to fulfill all obligations associated with these permits and shall ensure quality management.
- 12.3 The transfer or re-application for approvals after the termination of the business lease shall be based on the provisions in § 48.8 and § 48.9 of the Operational Hive-down Agreement.

## **C. Legal position of KGaA**

### **§ 13**

#### **General rights and obligations of KGaA**

- 13.1 KGaA shall have the right and obligation to continue to manage and operate the Leased Operation according to the detailed provisions of this Agreement from the Legal Effective Date in its own name and for its own account. KGaA shall be entitled to all products from the Leased Operation and may dispose of them freely. KGaA shall be responsible for procuring all media necessary to operate the Leased Items at its own expense.
- 13.2 KGaA shall be solely responsible for managing and operating the Leased Operation with the due diligence of a responsible and prudent manager. KGaA shall in so doing comply with and take into account in particular the statutory provisions, the official permits, including the requirements and conditions contained therein, as well as codes of practice. As far as impairments of third parties originate from the Leased Operation, KGaA shall indemnify PM OpCo from all claims brought forward against it. If other licenses, permits, approvals, or permissions are required under public law, KGaA shall obtain such documents in coordination with PM OpCo unless otherwise agreed; PM OpCo shall make their best efforts to support KGaA in doing so.
- 13.3 KGaA shall be responsible for all measures necessary to ensure the legal obligation to maintain safety and all other obligations associated with the possession of the Leased Operation as regards public traffic. KGaA shall also indemnify PM OpCo in this respect from all claims of third parties. Administrative orders shall be satisfied by KGaA promptly. § 12.2 and § 12.3 of this Agreement shall remain unaffected.
- 13.4 All non-recurring or recurring public law or private law charges, levies, and dues arising from the Leased Operation shall be borne by KGaA for the term of this Agreement.
- 13.5 The shareholder rights arising from financial assets transferred from KGaA to PM OpCo pursuant to § 31.1 and § 31.2 of the Operational Hive-down Agreement will be exercised by PM OpCo on instructions from KGaA during the term of the business lease.
- 13.6 The Leased Operation may only be sublet with the prior written consent of PM OpCo.



## § 14

### Maintenance and repair, alterations

- 14.1 KGaA is obligated to treat the leased items with due care, to service, maintain, and repair them at their own expense.
- 14.2 KGaA may only modify the leased items if such modifications are in compliance with the principles of proper management. In particular, it may take, within the scope of the purpose of this Agreement, all measures necessary for rationalization. Within the scope of proper management, KGaA shall be authorized to decommission or dismantle individual Leased Items.
- 14.3 PM OpCo shall authorize KGaA to undertake legal dispositions relating to the leased items for use that are within the scope of proper management, taking into account the purpose of this Agreement.
- 14.4 Measures of material economic significance that are taken in accordance with § 14.2 and § 14.3, such as the demolition or not only temporary decommissioning of plants or major changes in the business structure of the Leased Operation, shall require the consent of PM OpCo.
- 14.5 With regard to the other provisions and uncertain liabilities that are transferred from PM OpCo to KGaA pursuant to § 8, the Parties agree that, in case of unscheduled and considerable changes in the value of the legal positions or circumstances on which they are based, an equalization should be effected between the Parties. A claim for equalization exists if, (i) according to the applicable provisions set forth in the German Commercial Code (*Handelsgesetzbuch - HGB*), the amount of the other provisions and uncertain liabilities shall be corrected in an individual case by at least EUR 100,000.00 compared to the respective value on which it was based at the Beginning Of The Lease, and, (ii) when netting all value changes as per the preceding clause (i) in a financial year in favor of one of the contractual parties, a positive balance totaling EUR 2,000,000.00 or more results. The party that is the beneficiary of the other contractual party is obligated to pay a compensation (equalization) in the amount of this positive balance. The settlement for each lease year shall take place by March 31<sup>st</sup> of the following year.
- 14.6 § 17 of this Agreement shall prevail in respect of changes during the term of the lease as regards the Leased IP.

## § 15

### Investments

- 15.1 Investments in terms of the provisions below include any and all expenses which, in consideration of the accounting principles of PM OpCo, constitute acquisition costs or costs of production to be capitalized as set forth in Sec. 255 (1) or (2) *HGB* with regard to the fixed assets of PM OpCo. KGaA shall be authorized, as specified in the provisions below, to make investments (replacement and expansion investments) for PM OpCo for the account of PM OpCo.
- 15.2 Replacement investments shall be made according to the principles of proper management. The decision on expansion investments shall be made at the reasonable discretion of KGaA subject to the sentence below. Major expansion investments shall require the consent of PM OpCo.
- 15.3 The Parties agree that the title of ownership in the items acquired by way of replacement and expansion investments for the account of PM OpCo as specified above shall appertain to PM OpCo (and they thus, at the same time, become a surrogated or new integral part of the Leased Item as specified in this Business Lease Agreement). If PM OpCo does not directly obtain the title of ownership in the investment objects, the Parties agree that ownership passes to PM OpCo at the time of acquisition/production (agreeing on anticipated constructive possession and proxy purchase by way of an anticipated in rem agreement). For the purpose of such transfer of title, KGaA shall document the investment and record the acquired items in a list format, taking into account the principle of legal certainty under property law.
- 15.4 The rent shall increase accordingly by the depreciation amounts determined in accordance with the *HGB* calculated on a monthly basis at PM OpCo resulting from the capitalization of the newly capitalized and, as scheduled, cumulatively depreciated replacement and expansion investments and the depreciation on low-value items.
- 15.5 If further explanations or actions are required to make the investments described above, the Parties shall undertake to obtain and do what is necessary without any undue delay. As a purely precautionary measure, PM OpCo hereby revocably authorizes KGaA to represent it when making replacement or expansion investments, as is necessary or appropriate for any direct transfer of the title of ownership in the acquired items to PM OpCo.

## § 16

### Goodwill

- 16.1 The Parties make clear that PM OpCo shall at all times remain the sole beneficial owner of any goodwill attributable to the Leased Operation (**Goodwill**) in its individual form during the entire term of the lease and even after termination of the lease, and is leased for use to KGaA as part of the Leased Item for the term of the lease only for a limited period of time. This shall apply in particular even if the existing goodwill increases in full or in part or is replaced by new goodwill during the term of the lease as a result of activities or outlays by KGaA.
- 16.2 Even if the amount of the goodwill was affected by the activities of KGaA during the term of the lease, the Parties agree – in accordance with the statutory fundamental classification of the lease as a lease of use for a limited period of time – that KGaA, upon termination of the lease, shall not be required to pay any compensation whatsoever for any increases in value of the Leased Items, including goodwill, and PM OpCo may utilize the Leased Items including goodwill immediately and without any restrictions, in particular, without any obligation to pay any compensation (cf. also Federal Court of Justice (*BGH*) dated May 12, 1986 – Case No. II ZR 11/86; Federal Fiscal Court (*BFH*) dated January 30, 2002 – Case No. X R 56/99).

## § 17

### IP rights

- 17.1 The Parties make clear that PM OpCo shall at all times remain the sole beneficial owner of the entire Leased IP during the entire term of the lease and even after its termination and that the Leased IP is leased for use to KGaA as part of the Leased Operation for the term of the lease only for a limited period of time.
- 17.2 KGaA shall be authorized and obligated to maintain, manage, monitor, defend, and enforce against any infringers the Leased IP during the term of the lease at its own expense within the scope of proper management. It may also commission third parties for this purpose (e.g., Merck Patent GmbH, Darmstadt, Germany, an affiliated company of Merck KGaA, Darmstadt, Germany). A sale or pledging, encumbrance or renunciation of Leased IP shall only be admissible with the prior written consent of PM OpCo. KGaA shall be responsible during the term of the lease for the periodic review of the countries in which Leased IP is registered or maintained; KGaA shall manage the Leased IP in such manner that the business is protected in an economically reasonable and appropriate manner. In the event of contradictions between the Trust Agreement

PM OpCo and KGaA entered into and this Agreement in respect of certain items of the Leased IP, the provisions in this Agreement shall prevail.

- 17.3 All findings, inventions, materials, items, procedures, software codes or programs, data, know-how, or other development results that arise or are created during the term of the lease within the scope of the Leased Operation, including all existing rights therein, particularly all intellectual property (hereinafter **Foreground IP**), are subject to the sole beneficial ownership of PM OpCo as of emergence, during the entire term of the lease, and also after termination of the lease, and become part of the Leased IP without KGaA having to pay any compensation during or after the termination of the lease (cf. also *BGH* dated May 12, 1986 – Case No. II ZR 11/86; *BGH* dated March 4, 1964 – Case No. VIII ZR 155/62). For Foreground IP that, at the same time, meet the prerequisites of a replacement or expansion investment as defined in § 15.1 and that require capitalization pursuant to Sec. 246 (1) s. 1 and 2, Sec. 248 (2) s. 1, Sec. 255 *HGB* at PM OpCo if the replacement or expansion investment was made by PM OpCo itself (particularly, the acquisition of Foreground IP for consideration), § 15 shall apply accordingly. The rent shall increase accordingly by the depreciation amounts determined in accordance with the *HGB* calculated on a monthly basis at PM OpCo resulting from the capitalization of the newly capitalized and, as scheduled, cumulatively depreciated replacement and expansion investments.
- 17.4 The Parties agree that sole beneficial ownership of inventions as specified in the German Employee Invention Act (*Gesetz über Arbeitnehmererfindungen - ArbNErfG*) that are used during the term of the lease within the scope of the Leased Operation pursuant to Sec. 6 *ArbNErfG* appertains to PM OpCo (and that such inventions thus become part of the Foreground IP as well). The provision in § 17.3 regarding employee inventions shall apply accordingly.
- 17.5 Trademarks and brands that arise or are created during the term of the lease within the scope of the Leased Operation and that are used exclusively within that scope shall also appertain to PM OpCo for sole beneficial ownership from its emergence during the entire term of the lease and also after the termination of the lease and become part of the Leased IP, without KGaA having to pay any compensation during or after the termination of the lease. The provisions in § 17.3 shall apply accordingly.
- 17.6 KGaA shall take all actions necessary in order that PM OpCo or a trustee appointed by PM OpCo is able to exercise the legal ownership rights in the Foreground IP and the trademarks and brands designated in § 17.5 and, in particular, conduct registration of any industrial property rights. § 17.2 applies accordingly.

## § 18

### Insurance policies

- 18.1 During the term of the lease, KGaA shall bear the costs incurred for insurance coverage for PM OpCo and the Leased Operation pursuant to § 38 of the Operational Hive-down Agreement. KGaA is obligated to maintain the insurance coverage during the entire term of the Agreement to the extent economically corresponding to the amount of coverage of the insurance policies at the Beginning Of The Lease. If circumstances arise during the term of the Agreement that result in an increase in the insurance coverage, e.g., due to any changes in risks or increases in value of the Leased Items, the insurance policies shall be modified accordingly.
- 18.2 As for direct insurance policies and obligations to pension schemes, the provisions in § 21 shall apply.

## § 19

### Warranties and liability

KGaA is aware of the condition of the Leased Operation and the items attributable to it. It shall assume the Leased Operation, Leased Items, and Transferred Items (§ 3.1) in the condition in which they are at the Legal Effective Date. Warranty claims, regardless of their nature and regardless of the legal basis, shall be excluded, to the extent legally permissible. This shall also apply in particular to any claims under pre-contractual breaches of duty, violations of contractual duties, and/or breaches of contractual, pre-contractual or statutory obligations. Any rights of revocation shall be excluded as well.

### D. Employment relationships and pension obligations

## § 20

### Transfer of the employment relationships

- 20.1 With economic effect as of the Beginning Of The Lease, the employment relationship of the employees transferred to PM OpCo pursuant to § 35.1 s. 1 of the Operational Hive-down Agreement shall be retransferred to KGaA as set out in Sec. 613a *BGB* with all rights and obligations (***Transitioning Employees***).
- 20.2 KGaA is responsible vis-à-vis PM OpCo for indemnifying PM OpCo from any obligations entered into before the Beginning Of The Lease or obligations arising during the lease from the employment relationships of the Transitioning Employees, unless expressly governed otherwise in this Agreement. If Transi-

tioning Employees bring forward any claims against PM OpCo created before the Beginning Of The Lease and/or during the lease, KGaA shall indemnify PM OpCo against such claims.

- 20.3 PM OpCo shall reimburse KGaA for any obligations transferred to KGaA resulting from the Transitioning Employees' employment relationships that arose before the Beginning Of The Lease in accordance with § 8, unless otherwise set forth in the provisions below. If the transferred obligations resulting from the Transitioning Employees' employment relationships do not arise until after the Beginning Of The Lease, yet relate to a time period in part before and in part after the Beginning Of The Lease, reimbursement shall relate to the assessment period prior to the Beginning Of The Lease. As regards the financial compensation for assuming the pension commitments, time accounts and HR-related provisions (specifically, for anniversary bonus payments and vacation provisions) due to the Transitioning Employees, the provisions in § 21 shall prevail.
- 20.4 Upon termination of this Business Lease Agreement, the employment relationships of the employees who at the effective date of the termination of the agreement are assigned to the Leased Operations shall transfer with all rights and obligations to PM OpCo as detailed in Sec. 613a *BGB*. As regards the compensation for the obligations to be assumed by PM OpCo resulting from the employment relationships transferring pursuant to Sec. 613a *BGB*, the reimbursement mechanism set forth in § 20.2 and § 20.3 shall apply accordingly.

## § 21

### **Pension obligations, time account agreements, and Assumption of Joint Liability**

- 21.1 Upon KGaA's assuming the employment contracts of the Transitioning Employees in accordance with § 20.1, all rights and obligations arising from the pension commitments into which PM OpCo entered (***Pension Commitments***), as defined in the German Company Pension Act (*Betriebsrentengesetz*), shall be transferred to KGaA. Not included in the transition to KGaA are the pension commitments from terminated employment relationships pursuant to § 35.2 of the Operational Hive-down Agreement, which remain with PM OpCo even during the existence of the Business Lease Agreement.
- 21.2 For the Pension Commitments assumed from PM OpCo which arise from the Transitioning Employees' employment relationships that were agreed upon before the Beginning Of The Lease, KGaA shall receive compensation according to the following provisions.

- 21.3 PM OpCo hereby declares an assumption of joint liability (*Schuldbeitritt*) in respect of all direct commitments to the Transitioning Employees (**Secured Direct Commitments**) in accordance with the agreement on the assumption of joint liability in **Annex 21.3** with the full obligation to perform internally (**Assumption Of Joint Liability Performance Materials**) with economic effect as of the Beginning Of The Lease according to the criteria established by the *Bundesfinanzhof* (decision dated April 25, 2012 – Case No. IV R 43/09 *BStBl. II* 2017, 1228) and the tax administration (German Federal Ministry of Finance (*BMF*) on November 30, 2017 - Case No. IV C 6-S 2133/14/10001, *BStBl. I* 2017, 1619). The Secured Direct Commitments shall be secured by way of a Contractual Trust Arrangement (**CTA**) of PM OpCo. The CTA Trust Agreement is attached as Annex 11.8.a to the Operational Hive-down Agreement. The rights and obligations arising from the Assumption Of Joint Liability Performance Materials and the CTA shall be governed exclusively by the assumption of joint liability agreement and the CTA trust agreement.
- 21.4 As a consequence of the Assumption Of Joint Liability Performance Materials, the Secured Direct Commitments shall remain the sole financial responsibility of PM OpCo even after the Beginning Of The Lease, and shall continue to be recorded there and secured by way of the CTA of PM OpCo. Given these facts, no assignment or reclassification of trust assets arising from the CTA of PM OpCo to the CTA of KGaA shall be made and no compensation payments shall be due payable to KGaA by PM OpCo. As a result of the joint and several liability of PM OpCo externally arising from the Assumption Of Joint Liability Performance Materials and the indemnification of KGaA by PM OpCo as relates to the obligation to perform internally, the financial compensation between the Parties is deemed settled in full.
- 21.5 As regards the pension commitments that are handled by an external pension provider (**External Pension Entitlements**), no financial resources shall be transferred upon KGaA assuming the Transitioning Employees' employment relationships pursuant to § 20.1. Instead, KGaA and PM OpCo entered into a trust agreement within the meaning of § 1 (4) of the Operational Hive-down Agreement regarding the legal positions in respect of the external pension providers in accordance with Annex 35.9 of the Operational Hive-down Agreement, according to which KGaA holds the legal positions vis-à-vis the external pension providers in trust for PM OpCo. The Transitioning Employees shall remain beneficiaries or employees entitled to pension benefits by the external pension provider, respectively. During the term of the business lease, KGaA shall be entitled to the trustor's rights and obligations (including the rights of use governed there) resulting from the collective Trust Agreement established in § 35.9 of the Operational Hive-down Agreement between KGaA and PM OpCo in respect of the External Pension Entitlements, and shall fulfill these rights and obligations. The Parties agree that, during the term of the business

lease, the obligation of PM OpCo to cover the costs and to indemnify KGaA pursuant to the Trust Agreement shall not apply.

- 21.6 Upon termination of the Business Lease Agreement, PM OpCo shall continue the External Pension Entitlement for the employees transferring to PM OpCo according to § 20.4. For this purpose, upon consent of the external pension provider, it shall take the further steps necessary. Insofar as legal positions vis-à-vis external pension providers transition to PM OpCo in this context that are the subject of the Trust Agreement referred to in § 21.5, KGaA and PM OpCo shall terminate the Trust Agreement in accordance with the stipulations in the Trust Agreement and transfer the legal positions to PM OpCo - subject to consent of the respective external pension provider. § 5 of the Trust Agreement referred to in § 21.5 shall remain unaffected. As far as such an agreement is not reached with the external pension provider, KGaA shall ensure that PM OpCo is placed in a position as if such an agreement had been concluded, namely by providing a position as insured party towards the direct insurance companies and providing a status as treasury entity (*Kassenfirma*) at the Pension Fund for German Business (*Pensionskasse für die Deutsche Wirtschaft VVaG, PKDW*).
- 21.7 Liabilities and funds for financing Pension Commitments relating to active or former employees of PM OpCo who are not Transitioning Employees shall remain with PM OpCo unless expressly agreed otherwise in this Agreement, and no payment, compensation, or indemnification of any kind shall be made.
- 21.8 The provisions of this § 21 shall apply accordingly to employees who were hired by KGaA after the Legal Effective Date, who are assigned to the Leased Operation, and who have been granted a Pension Commitment, in particular a Direct Commitment within the meaning of § 21.3 of this Business Lease Agreement. If the employees in the meaning of s. 1 receive a Pension Commitment that is performed by an external pension provider, the associated legal positions shall be included in the Trust Agreement in the meaning of § 35.9 of the Operational Hive-down Agreement. The instruction in the meaning of § 1.2 of the Trust Agreement is hereby granted by PM OpCo.
- 21.9 In respect of the obligations from time accounts, PM OpCo also declares an Assumption Of Joint Liability together with an obligation to perform according to the provisions of **Annex 21.3**, which is thus covered by the Assumption Of Joint Liability Performance Materials. These obligations from time accounts are also secured against insolvency via a CTA of PM OpCo. There shall be no further compensation for the obligations from time accounts. Apart from that, the provisions regarding the Assumption Of Joint Liability Performance Materials in this § 21 shall apply *mutatis mutandis* to securing the time accounts.



- 21.10 In addition, PM OpCo declares an assumption of joint liability with an obligation to perform for other personnel-related provisions (in particular, anniversary bonus payments and vacation provisions) according to the provisions in **Annex 21.3**, which are thus also covered by the Assumption Of Joint Liability Performance Materials. The provisions regarding this Assumption Of Joint Liability Performance Materials shall also apply accordingly to safeguard these other personnel-related provisions, however, with the particularity that there is currently no CTA guarantee for these obligations and there is also no obligation to initiate such a CTA guarantee.

## **E. Consideration and term**

### **§ 22**

#### **Rent**

- 22.1 KGaA shall pay PM OpCo an annual rent for the lease of the Leased Items; this rent is made up of
- a) the total of the depreciation of the Leased Items for the corresponding year of lease pursuant to the *HGB*;
  - b) plus interest on the average bound equity on the commercial balance sheet of PM OpCo (i.e., equity at the beginning of the year plus equity at the end of the year, divided by two) totaling 7% p.a.; and
  - c) as far as legally owed, the value-added tax due on this rent.
- 22.2 The provisions in this Business Lease Agreement regarding the assumptions of joint liability or obligations to perform (e.g., pension provisions) and adjustment of the rent for investments shall remain unaffected by the provision in § 22.1.
- 22.3 KGaA shall pay monthly advance payments on the 15<sup>th</sup> of each following month. The final settlement for each lease year shall be determined by March 31<sup>st</sup> of the following year. The amount of the installments shall be determined *pro rata temporis* based on the amount of the last agreed annual fee. During the period until the advance payments are calculated in accordance with sentence 3 above, the monthly advance payments shall be jointly determined by the Parties using a forecast based on the comparative 2017 values or the prognostic estimate for 2018.

## § 23

### Effective date of the Agreement

- 23.1 The Business Lease Agreement shall become effective upon registration in the commercial register of PM OpCo. The Parties to this Agreement shall ensure that this Agreement becomes effective in direct time proximity to but only after the Operational Hive-down. The contract is also subject to the condition precedent of the Operational Hive-down becoming effective by way of registration in the commercial register of KGaA.
- 23.2 Each Party may revoke this Agreement effective immediately if the Business Lease Agreement has not come into effect by the end of the day on February 28, 2019 by way of registration in the commercial register of PM OpCo.

## § 24

### Term of contract and termination

- 24.1 The Business Lease Agreement is concluded indefinitely. The Business Lease Agreement may be terminated by each Party in writing giving two-month notice as per the end of the month.
- 24.2 This Agreement may be also terminated by each Party without prior notice for cause. A termination without notice must also be in writing. Cause with regard to the termination without prior notice by PM OpCo shall be given, in particular, if
- a) KGaA sustainably exceeds its right of use pursuant to § 13,
  - b) KGaA is three months in arrears with a payment to be made pursuant to § 22, or
  - c) insolvency proceedings are opened in respect to the assets of KGaA.

## § 24a

### Premature termination as regards the Performance Materials Distribution And Sales Function

- 24a.1 The PM OpCo may partially terminate the Business Lease in respect of the distribution and sales functions for the finished products produced in Darmstadt and Gernsheim in the Operating Unit KGaA Performance Materials (products that are produced by KGaA and are not subject to any further processing step within the Group) and selected merchandise (products intended for resale, purchased from external third parties or from other Group companies) of the three business units “Display Materials,” “Pigments & Functional

Materials,” and “Advanced Technologies” (which, according to current information, will be consolidated in the course of 2018 into the three new business units “Display Solutions,” “Semiconductor Solutions,” and “Surface Solutions”) (the **PM Distribution And Sales Function**) even before termination of this Business Lease Agreement. The possibility of premature partial termination of the Business Lease Agreement is closely related to a project on setting up a central sales company for finished products and merchandise of the Operating Unit KGaA Performance Materials that is hived down to PM OpCo in the scope of the Operational Hive-down and then leased back in the scope of this Lease Agreement. After transferring the PM Distribution And Sales Function to PM OpCo, it shall assume the role of a global distributor for finished products and merchandise of the Operating Unit KGaA Performance Materials with all related processing stages (demand planning, ordering of the products to be distributed, acquisition of title of ownership in the products to be sold, sales, customer service and support).

- 24a.2 Partial termination pursuant to § 24a.1 shall be declared in writing addressed to KGaA giving one month’s notice as per the month end. As of the partial termination becoming effective, the business activities of the PM Distribution And Sales Function shall no longer be part of the Leased Operation (§ 1) and the finished goods allocated to this function based on article numbers (*Stock Keeping Units – SKUs*) shall no longer be part of the Leased Operation.
- 24a.3 In order to be able to perform the PM Distribution And Sales Function, in the course of the partial termination pursuant to § 24a.1, the employment relationships of executives within the established Operating Unit KGaA Performance Materials functions Supply Chain Surface Solutions, Supply Network Planning Surface Solutions, Performance Materials Logistics, and Performance Materials Customer Service shall be transferred to PM OpCo by way of individual agreements. Apart from that, all other employment relationships between KGaA and employees of the PM Distribution And Sales Function (the **Sales Employees**) shall remain with KGaA even after the partial termination of the business lease pursuant to § 24a.1 until the termination of the business lease at KGaA, unless the employment relationships were transferred from KGaA to PM OpCo as per individual contracts. § 20.4, § 25.1, § 25.2 shall not apply regarding the Sales Employees upon partial termination of the business lease.
- 24a.4 In order to provide further operational support to the PM Distribution And Sales Function, PM OpCo shall make use of services from KGaA after the partial termination and provide services to KGaA. In this context, the Parties shall conclude agreements governing the provision of services between the parties (*service level agreements*).

- 24a.5 The provisions relating to the termination of the business lease pursuant to § 25.1, § 25.2 and § 25.4 shall apply accordingly, unless this § 24a specifies otherwise. The provisions in this § 24a shall not affect any of the remaining provisions of the Business Lease Agreement, including the provision on the assessment of the rent.

## § 25

### **Consequences of termination of the Agreement, unwinding**

- 25.1 Upon termination of this Business Lease Agreement, KGaA shall transfer to PM OpCo the Leased Operation together with the Leased Items attributable to it at the time of the Lease End, including Leased Items acquired or created by way of maintenance, replacement, and expansion investments, in such condition that corresponds to the condition under proper management continued until the Lease End. In addition, KGaA shall transfer the Leased Items to PM OpCo in functional condition. PM OpCo shall, upon termination of the Business Lease Agreement, assume operational management of the Leased Operation and from then on exercise such power in its own name.
- 25.2 The assumption of the contracts and contract offers by PM OpCo upon termination of this agreement shall be subject to § 9.5 and § 9.6; the transfer or re-application for permits and approvals under public law to or for PM OpCo shall be governed by § 12.3. Any resale of the inventories to PM OpCo shall be subject to § 7.5 and § 7.6; the resale of the liabilities and assets (including uncertain liabilities, regardless of whether provisions were recorded for them or not) shall be subject to § 6.3 and § 8.4. As for Goodwill and the Foreground IP, the provisions in § 16 and § 17 shall apply. § 10.5 shall apply to litigation and legal proceedings. The transfer of the employment relationships from KGaA to PM OpCo associated with the termination of the Business Lease Agreement attributable to the Leased Operation upon termination of the Business Lease Agreement shall be governed by § 20.4.
- 25.3 For the purpose of unwinding the business lease, including settlement of rent in line with the duration of the lease, KGaA and PM OpCo shall compile closing accounts of PM OpCo and a pro forma balance sheet for the Leased Operation as at the Lease End.
- 25.4 Moreover, the provisions of this agreement regarding the implementation of the lease shall apply *mutatis mutandis* to its unwinding. The Parties shall support each other in implementing the necessary steps for the unwinding of this Agreement.

## **F. Final provisions**

### **§ 26**

#### **Third-party notifications, collaboration, and support**

- 26.1 PM OpCo and KGaA shall notify third parties, in particular customers and suppliers of PM OpCo, as far as it has not already done so, about the lease of the operation of PM OpCo to KGaA and the changed service relationships in an appropriate manner.
- 26.2 PM OpCo and KGaA shall collaborate in ensuring transfer of the Leased Items without interrupting operations and, in particular, shall submit any necessary or reasonable notifications to third parties and authorities.
- 26.3 PM OpCo shall make available to KGaA any documents, deeds, and evidence necessary for operating the Leased Items in physical or electronic form. Trade and operating secrets, as well as any other statutory requirements, in particular the provisions of the German data protection and privacy law, shall be adhered to.
- 26.4 KGaA shall inform PM OpCo promptly about business transactions or events materially affecting the Leased Operation. This includes, *inter alia*, entering into and ending litigation materially affecting the Leased Operation, or the revocation or imminent revocation of product approvals.

### **§ 27**

#### **Severability; scope of contract**

- 27.1 If individual provisions in this Agreement are ineffective or unenforceable, the effectiveness of the remaining provisions shall remain unaffected. The ineffective or unenforceable provision shall be replaced by such provision which the Parties mutually agree on coming closest to the economic purpose pursued with the ineffective or unenforceable provision. The same shall apply in regard to any omissions in this Agreement.
- 27.2 If circumstances arise after concluding this Agreement as a result of which the purpose of the Agreement cannot be achieved to a substantial and sustainable extent, in particular if new statutory provisions render it permanently impossible to execute the Agreement, the Parties shall make all efforts to find another solution which serves to achieve the purpose of the Agreement.
- 27.3 The preamble and the annexes shall be integral parts of this Agreement.

**§ 28****Loyalty Clause**

- 28.1 Upon conclusion of this Agreement, not all factual and legal aspects that may arise, in particular from future technical and economic developments, from any changes in statutory regulations, or other circumstances essential for the contractual relationship can be predicted and covered exhaustively. The Parties agree that the principles of commercial loyalty shall apply to their collaboration. They mutually represent to fulfill the contractual agreements in this spirit and to take into account accordingly any changes in the situation that may become necessary in the future.
- 28.2 If there are doubts regarding the allocation of the Leased Items as regards their attribution in individual cases, such situation shall be resolved based on the purpose of the Agreement.
- 28.3 In the event that in executing this Agreement under the conditions mentioned above undue hardship occurs for one Party or the other, both Parties shall bring about an amicable understanding that takes into account the economic purpose of this Agreement according to the principles of reason and fairness.

**§ 29****Obligations to cooperate**

PM OpCo and KGaA shall make all declarations, execute all deeds, and perform any other acts that may be necessary or appropriate in connection with the lease of the Leased Operation described in this Agreement.

**§ 30****Written form requirement**

Any modifications to or amendments of this Business Lease Agreement, including the waiver of this written form requirement, shall be in writing, except where a stricter form is required.

**§ 31****Costs**

The costs of preparing, notarizing, and implementing this Business Lease Agreement shall be borne by KGaA. The costs of the meeting of shareholders of PM OpCo as well as the costs of applying for registration and registration of this Business Lease Agreement in the commercial register shall be borne by PM OpCo.

## **§ 32**

### **Applicable law; jurisdiction**

- 32.1 This Business Lease Agreement is governed by German law.
- 32.2 The place of jurisdiction for all disputes arising from this Business Lease Agreement is Darmstadt.

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### **Annex 21.3**

#### **Terms of the Debt Assumption and Indemnification Agreement**

**Annex 21.3**

Terms of the Debt Assumption and Indemnification Agreement  
Non-binding convenience translation

**Terms of the Debt Assumption and Indemnification Agreement  
according to Sec. 21.3.  
of the Business Lease Agreement between  
KGaA and PM OpCo**

**Preamble**

- (1) Upon the hive-down of the Performance Materials sectors becoming effective, KGaA, pursuant to sec. 35.1 of the hive-down and transfer agreement between KGaA, HC OpCo, PM OpCo and LS OpCo (***Hive Down and Transfer Agreement***), inter alia transfers the employment relationships of the employees who,
- in accordance with the „Gauss HR“ system were allocated to the divisions „KGaA Performance Materials Darmstadt“ and/or „KGaA Performance Materials Gernsheim“ on the Closing Balance Effective Date within the meaning of the Hive Down and Transfer Agreement (except for employees who were already in the passive phase of partial retirement at that time) (***Employees of Performance Materials***) provided that they were also allocated on the Legal Effective Date within the meaning of the Hive Down and Transfer Agreement to the divisions „KGaA Performance Materials Darmstadt“ and/or „KGaA Performance Materials Gernsheim“ and those who,
  - in the period between the Closing Balance Effective Date within the meaning of the Hive Down and Transfer Agreement and the Legal Effective Date within the meaning of the Hive Down and Transfer Agreement, establish an employment relationship with the KGaA in the division „KGaA Performance Materials Darmstadt and/or „KGaA Performance Materials Gernsheim“ or have been assigned or have been allocated to this part of the business according to the “Gauss HR” system, provided that they are still assigned to the business division „KGaA Performance Materials Darmstadt” and/or „KGaA Performance Materials Gernsheim” on the Legal Effective Date (***Newly Entering Employees Performance Materials***)
- (hereinafter together referred to as ***Transferring Employees Performance Materials***).
- (2) The transfer of the Transferring Employees Performance Materials also includes all rights and obligations arising from pension provisions within the meaning of the German Company Pensions Act [*Betriebsrentengesetz*], which KGaA has granted to the Transferring Employees Performance Materials or into which it has entered. The pension provisions entered into by KGaA as direct commitments are also secured by a Contractual Trust Arrangement (hereinafter referred to as ***CTA***) with plan assets. To the extent that the plan assets relate to the direct commitments that will be transferred as part

**Annex 21.3**

Terms of the Debt Assumption and Indemnification Agreement  
Non-binding convenience translation

of the hive-down of the Performance Materials sector, the pro rata plan assets will be allocated to a CTA of the PM OpCo. The same applies to claims arising from agreements on value account credit balances, which will also be transferred to PM OpCo when the hive-down of the Performance Materials sector becomes effective and is secured via a CTA using plan assets.

- (3) Upon the hive down becoming effective, the employment relationships of Transferring Employees Performance Materials are retransferred to KGaA with all rights and obligations in accordance with section 613a BGB. This does not only include the claims arising from the employment relationship, but also claims arising from agreements on time value account balances (hereinafter referred to as **Time Account Entitlements**), all rights and obligations arising from the Pension Commitments as defined by the German Company Pensions Act (hereinafter referred to as **Pension Commitments**). In principle, this also applies to the pension provisions that are made by way of a direct commitment.
- (4) For the purposes set out in para. II of this Agreement
- Direct commitments (hereinafter referred to as **Secured Direct Commitments**),
  - Time Account Entitlements and
  - any other personnel-related commitments, consisting in particular of
    - o claims regarding freelancers to the extent such freelancers have to be qualified either as Employees of Performance Materials or as Newly Entering Employees Performance Materials
    - o Long Term Incentive Plans (**LTIP**) (*langfristige Incentivierungspläne*)
    - o payments for a default liability pursuant to section 1 (1) sentence 3 BetrAVG
    - o death benefits,
    - o benefits for the Demography Fund,
    - o benefits for deferred compensation,
    - o benefits for vacation and flexitime,
    - o benefits for old-age part-time programs, and
    - o anniversary bonuses,

to the extent however, that that aforementioned other personnel-related commitments are not already secured as Secured Direct Commitments or Time Account Entitlements (hereafter referred to as **Other Personnel-related Obligations**), this Agreement is intended to declare a debt assumption and entire obligation to perform by PM OpCo in

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accordance with the criteria laid down by the Federal Fiscal Court (judgment of 25 April 2012 – file number IV R 43/09, Federal Statistical Gazette II 2017,1228) and the criteria laid down by the tax authorities (BMF circular of 30 November 2017 – file number IV C 6-S 2133/14/10001, Federal Statistical Gazette I 2017,1619) whereby the aforementioned obligations are the sole economic responsibility of PM OpCo. Accession to the debt together with acceptance of performance serves the purpose to passivate the pension obligations, Time Account Entitlements, and any Other Personnel-related Obligations previously transferred to PM OpCo after the Legal Effective and with economic effect as of the Beginning of the Lease as set out in the Business Lease Agreement as liabilities of PM OpCo as of the Transfer Date for Tax Purposes (sec. 2.1 of the Hive Down and Transfer Agreement), irrespective of the transfer of the employment relationships.

Given these facts, the Parties agree on the following Debt Assumption and Indemnification Agreement:

**I.****Beneficiaries**

- (1) Beneficiaries as set forth in this Agreement are Transferring Employees Performance Materials with Time Account Entitlements, claims arising from Other Personnel-related Obligations or secured direct commitments whose employment relationship is transferred from PM OpCo to KGaA on the Legal Effective Date as set forth in the Business Lease and their survivors, to the extent that a survivor's pension is also granted as part of the secured direct commitments, and any persons entitled to compensation with rights deriving from the transferring employees in the context of pension compensation (hereinafter referred to as **Beneficiaries**). The Employees of Performance Materials within the meaning of the Hive-Down and Transfer Agreement assigned to the Performance Materials sector of KGaA as of the Closing Balance Effective Date within the meaning of the Hive-Down and Transfer Agreement are listed in Annex 35.1 of the Hive-down and Transfer Agreement.
- (2) The provisions of this Agreement shall apply *mutatis mutandis* to employees who are recruited directly by KGaA after the Legal Effective Date set forth in the Business Lease, were granted a commitment according to Clause II of this Agreement, or any other form of direct pension commitment and are assigned to the Performance Materials sector.

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**II.****Secured Obligations**

- (1) The following direct commitments within the meaning of the Company Pensions Act (BetrAVG) of the Transferring Employees Performance Materials are recognized as secured direct commitments as a result of debt accession, which are transferred from PM OpCo to Merck KGaA on the Beginning of the Lease within the meaning of the operating lease agreement. These include in particular:
  - Merck Pension Plan 2005,
  - Company Pension Scheme 1985,
  - Company Pension Directive 1976,
  - Operating Agreement on pensions for former Biotest employees.
- (2) The debt assumption also includes Time Account Entitlements and Other Personnel-related Obligations within the meaning of paragraph 4 of the preamble.
- (3) This shall apply irrespective of whether the transfer of commitments and claims occurs as a result of a transfer of the respective employment relationship based on an individual contract agreement or in accordance with sec. 613a BGB.
- (4) The extent of the security is determined in accordance with Clauses III and IV of this Agreement.

**III.****Debt Assumption**

- (1) PM OpCo hereby assumes the secured direct commitments, time account claims, and Other Personnel-related Obligations upon the Business Lease Agreement becoming effective as of the Legal Effective Date within the meaning of the Business Lease Agreement and with economic effect from the Beginning of the Lease within the meaning of the Business Lease Agreement at midnight (hereafter referred to as **Secured Claims**) in such manner that, in accordance with the principles of a contract in favor of third parties, the beneficiaries may assert a full direct claim against PM OpCo for the fulfillment of their secured claims within the existence of this debt accession and indemnity agreement. This debt assumption shall not only apply to the secured claims already accrued until the Beginning of the Lease as set forth in the Business Lease Agreement, but also to the secured claims still accrued after the Beginning of the Lease set forth in the Business Lease Agreement for the duration of the Business Lease,

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including such secured claims which are only established after the Beginning of the Lease (e. g. LTIP or benefits for vacation and flexitime from financial years commencing after the Beginning of the Lease) (hereinafter referred to as ***Secured Claims To Be Earned***).

- (2) If KGaA is obliged to adjust existing pensions from secured direct commitments based on an adjustment audit in accordance with section 16 BetrAVG, debt assumption shall also include the adjustment amount.
- (3) PSV premiums payable by KGaA to the Pension Assurance Association (Pensionssicherungsverein – PSV) for the secured direct commitments shall also be borne by PM OpCo either by direct payment or by way of reimbursement.
- (4) The KGaA must compensate PM OpCo for the Secured Claims To Be Earned. This is to be measured on the basis of the annual allocations to provisions and liabilities in the commercial balance sheet of PM OpCo in connection with the secured claims insofar as the allocations relate to the secured claims still to be earned; in the case of retirement benefit obligations or comparable long-term obligations due in Section 246 (2) sentence 2 of the German Commercial Code (HGB) is based on the value which results without offsetting in accordance with Section 246 (2) sentences 2,3 of the German Commercial Code (HGB). PM OpCo will determine the compensation amount annually on the respective balance sheet date of PM OpCo (December 31) as part of the preparation of the annual financial statements in accordance with German commercial law and communicate this amount to the KGaA. The settlement amount is due four weeks after the preparation of the annual financial statements of PM OpCo in accordance with commercial law and notification to the KGaA.
- (5) If there is an obligation with regard to a secured claim (such as because of a (partial) operation transfer within the meaning of section 613a BGB, a single contractual transfer of the employment relationship, measures according to the German Reorganization Act [*UmwG*], shall be transferred pursuant to section 4 BetrAVG, etc.) by individual contract, by law or universal succession from KGaA to another debtor, the securing rights from the debt assumption expire with effect from the time of the transfer. In the event of a possible continuing joint and several liability of the KGaA, the assumption of liability shall continue to apply with respect to the liability debt to the extent and for the duration of the joint and several liability.

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**IV.****Indemnification / Fulfillment / Refund**

- (1) KGaA as well as PM OpCo assume that KGaA directly fulfills the secured claims upon occurrence of the respective benefit claim. In this case, PM OpCo of KGaA shall reimburse all benefits upon submission of the corresponding supporting evidence, as well as the debt assumption according to Clause III of this Agreement. KGaA shall have the right to demand reasonable advance payments at its reasonable discretion; in particular, the costs and expenses expected to be incurred by KGaA in the respective year are determined based on the annual payment budgets, for which PM OpCo shall make advance payments to KGaA upon request. In each of the aforementioned cases, a claim for compensation of KGaA against PM OpCo with regard to and in the amount of the advance already paid shall be excluded.
- (2) Payments by KGaA or by third parties to fulfill the secured claims owed to the beneficiaries shall reduce the obligation arising from this debt assumption to the corresponding extent.
- (3) Clause III paragraph 5 shall apply accordingly to the indemnification and reimbursement.
- (4) Insofar as claims are brought forward against PM OpCo by beneficiaries directly based on the debt assumption agreed on in Clause III, the payments shall be made by PM OpCo, to the extent described in Clause III of this Agreement. This also applies to the secured claims. In such a case, KGaA shall provide PM OpCo with all necessary documents and data in compliance with data protection regulations.
- (5) In the amount attributable to the Secured Claims, KGaA will transfer to PM OpCo the economic ownership of the trust assets held by Merck Pensionstreuhand e. V. and the Metzler Trust e. V. (the **Trustees**) based on respective agreements with the respective Trustees. Within the scope of these trust arrangements, PM OpCo may also make funding contributions with regard to the Secured Claims To Be Earned. An obligation to make an endowment for these claims only exists if there is a legal obligation to do so.

**V.****Term, Termination, and Other Provisions**

- (1) The ordinary termination of this Debt Assumption and Indemnity Agreement shall be excluded during the duration and scope of the Business Lease. The amicable cancellation and sec. V paragraph 2 of this Agreement shall remain unaffected.

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- (2) This Debt Assumption and Indemnification Agreement shall be terminated to the extent that the PM OpCo becomes the direct debtor of the secured claims, especially in the case of a (partial) operation transfer to PM OpCo according to section 613a BGB. This shall also apply in the event of a full or partial termination of the Business Lease insofar as such termination results in a (partial) transfer to PM OpCo with regard to the beneficiaries concerned or if other employment relationships are transferred from Merck KGaA to PM OpCo. This partial or complete termination of the Business Lease results in the expiration of the claims of KGaA and the beneficiaries from this Debt Assumption and Indemnification Agreement with effect for the future without a separate notice to the beneficiaries being required, so that from that date payments may no longer be required from PM OpCo after the termination date of this Agreement.
- (3) Moreover, both Parties may terminate this Debt Assumption and Indemnification Agreement either after the Business Lease has expired by mutual consent or unilaterally, giving notice of 6 months as per the end of the calendar year. Otherwise, the right to terminate the Agreement for due cause shall remain unaffected.
- (4) In the event of a mutual termination of the Debt Assumption and Indemnification Agreement pursuant to sec. V. paragraph 1 or a termination pursuant to sec. V paragraph 3, the Parties shall agree to compensate the adverse economic effects for KGaA arising from the termination of the Debt Assumption and Indemnification Agreement as compared to the continuation of the Debt Assumption and Indemnification Agreement to the extent that KGaA has to bear economic burdens from the secured claims as a result of terminating this Agreement. Such compensation shall be made with regard to the secured claims to the extent that they have already been fully earned by the Beneficiaries by the termination of the Debt Assumption and Indemnification Agreement. When assessing these adverse economic effects and the necessary compensation, the accepted actuarial principles and recognized accounting principles of German GAAP must be taken into account. Insofar as the termination of the debt assumption results in the collateral via the CTA of PM OpCo for the beneficiaries being cancelled, KGaA undertakes to again ensure the security with regard to the secured direct commitments and the Time Account Entitlements of the beneficiaries via their CTA. Pro rata trust assets, which are again made available to KGaA in this context, must be taken into account when determining the compensation of the adverse economic effects on KGaA pursuant to this paragraph 4. The conclusion of an agreement to compensate for the adverse effects arising from the termination shall be prerequisite for the effectiveness of the termination of the Debt Assumption and Indemnification Agreement.
- (5) The parties also reserve the right to make adjustments to the existing agreement. This applies in particular in the case of a change of the procedure for the implementation of



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the secured direct commitments. Neither any notification nor consent of the beneficiaries is required in this regard.

- (6) As far as employment relationships of the Transferring Employees Performance Materials should not transfer to PM OpCo as part of the hive down of the sector KGaA Performance Materials, the deposit of the Secured Claims within the meaning of § 20 UmwStG is performed by way of an debt assumption and indemnification, effective as of the Closing Balance Effective Date (sec. 2.2 of the Hive Down and Transfer Agreement).
- (7) To the extent that currently or in the future, contrary to expectations, there should be obstacles to the transfer of the economic ownership to PM OpCo as stipulated in sec. IV.5 or in the event that KGaA would have continue to provide for the endowment concerning the Secured Claims or the Secured Claims to Be Earned, sec. 56.3 of the Hive Down and Transfer Agreement shall apply accordingly.
- (8) Should one or more provisions of this Agreement be or become invalid, either as a whole or in part, the remaining provisions of this Agreement shall remain unaffected. KGaA as well as PM OpCo agree to replace the ineffective provision with an effective provision that comes as close as possible to the purpose pursued by the ineffective provisions. The same applies to any omissions in the Agreement. In the event of void or invalid provisions relating to deadlines or periods, those deadlines or time periods shall be deemed to be agreed which, depending on the will of the Parties of this Agreement, shall be at least or at most compatible with mandatory law.
- (9) This Agreement shall be governed by German law.

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### **Anlage 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

**I. Status: Active**

| Field of law                                          | Internal reference number | Date of approval |
|-------------------------------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance (Hessische Bauordnung) | A100-2                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A101-2                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A102-2                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A103-2                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A104-2                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A105-2                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A106-2                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A107-4                    | 27.07.2005       |
| Hessian Construction Ordinance                        | A108-3                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A1-1                      | 23.05.1934       |
| Hessian Construction Ordinance                        | A110-2                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A111-2                    | 22.12.2005       |
| Hessian Construction Ordinance                        | A119-1                    | 12.11.2007       |
| Hessian Construction Ordinance                        | A1-2                      | 31.05.1934       |
| Hessian Construction Ordinance                        | A120-1                    | 14.11.1977       |
| Hessian Construction Ordinance                        | A120-2                    | 07.06.1989       |
| Hessian Construction Ordinance                        | A120-2A                   | 17.12.1996       |
| Hessian Construction Ordinance                        | A120-2B                   | 14.03.1997       |
| Hessian Construction Ordinance                        | A120-3                    | 16.08.1989       |
| Hessian Construction Ordinance                        | A120-4                    | 31.05.2007       |
| Hessian Construction Ordinance                        | A120-5                    |                  |
| Hessian Construction Ordinance                        | A120-6                    | 21.09.2010       |
| Hessian Construction Ordinance                        | A120-7                    |                  |
| Hessian Construction Ordinance                        | A121-2                    | 18.01.2006       |
| Hessian Construction Ordinance                        | A12-2                     | 09.12.1991       |
| Hessian Construction Ordinance                        | A1-3                      | 12.11.1934       |
| Water legislation (Wasserrecht)                       | A1-4                      | 10.01.1935       |
| Hessian Construction Ordinance                        | A1-5                      | 19.12.1991       |
| Hessian Construction Ordinance                        | A15-5                     | 29.11.2000       |
| Hessian Construction Ordinance                        | A15-6                     | 30.08.2001       |
| Hessian Construction Ordinance                        | A1-6                      | 12.08.1997       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | A160-1                    | 12.08.2014       |
| Hessian Construction Ordinance | A160-2                    | 14.08.2014       |
| Hessian Construction Ordinance | A16-2                     | 20.02.1964       |
| Hessian Construction Ordinance | A16-3                     | 04.07.1968       |
| Hessian Construction Ordinance | A16-4                     | 23.11.2010       |
| Hessian Construction Ordinance | A165-1                    | 16.03.2015       |
| Hessian Construction Ordinance | A1-6A                     | 29.06.1999       |
| Hessian Construction Ordinance | A1-7                      | 22.04.2014       |
| Hessian Construction Ordinance | A170-1                    | 14.08.2014       |
| Hessian Construction Ordinance | A170-3                    | 09.11.2015       |
| Hessian Construction Ordinance | A17-10                    | 23.12.1986       |
| Hessian Construction Ordinance | A175-1                    | 16.03.2015       |
| Hessian Construction Ordinance | A18-1                     | 21.06.1952       |
| Hessian Construction Ordinance | A18-2                     | 30.07.1954       |
| Hessian Construction Ordinance | A18-3                     | 15.08.2014       |
| Hessian Construction Ordinance | A19-1                     | 31.03.1992       |
| Hessian Construction Ordinance | A19-1B                    | 08.05.1995       |
| Hessian Construction Ordinance | A19-2                     | 02.12.2008       |
| Hessian Construction Ordinance | A20-1                     | 14.03.2006       |
| Hessian Construction Ordinance | A22/25-5                  | 04.06.1984       |
| Hessian Construction Ordinance | A22/25-5A                 | 04.03.1985       |
| Hessian Construction Ordinance | A22-4                     | 22.01.1952       |
| Hessian Construction Ordinance | A22-6                     | 30.09.1998       |
| Hessian Construction Ordinance | A22-7                     | 06.12.2005       |
| Hessian Construction Ordinance | A22-8                     | 22.01.2010       |
| Hessian Construction Ordinance | A22-9                     | 16.07.2013       |
| Hessian Construction Ordinance | A23-1                     | 13.03.1985       |
| Hessian Construction Ordinance | A23-2                     | 16.06.1997       |
| Hessian Construction Ordinance | A24-2                     | 04.03.1985       |
| Hessian Construction Ordinance | A25-1                     | 04.03.1985       |
| Hessian Construction Ordinance | A25-2                     | 10.09.2003       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | A25-3                     | 23.09.2003       |
| Hessian Construction Ordinance | A25-4                     | 04.02.2010       |
| Hessian Construction Ordinance | A25-5                     |                  |
| Hessian Construction Ordinance | A25-6                     | 31.05.2011       |
| Hessian Construction Ordinance | A26-2                     | 27.01.2010       |
| Hessian Construction Ordinance | A27-1                     | 12.04.1995       |
| Hessian Construction Ordinance | A29-1                     | 31.03.1992       |
| Hessian Construction Ordinance | A3/17-1                   | 11.05.1929       |
| Hessian Construction Ordinance | A3/17-10                  | 25.04.2005       |
| Hessian Construction Ordinance | A3/17-11                  | 24.07.2017       |
| Hessian Construction Ordinance | A3/17-2                   | 22.01.1903       |
| Hessian Construction Ordinance | A3/17-4                   | 11.05.1929       |
| Hessian Construction Ordinance | A3/17-6                   | 08.07.1930       |
| Hessian Construction Ordinance | A3/17-8                   | 11.10.1946       |
| Hessian Construction Ordinance | A3/17-9                   | 06.12.1948       |
| Hessian Construction Ordinance | A30-1                     | 18.05.1973       |
| Hessian Construction Ordinance | A30-2                     | 04.07.1979       |
| Hessian Construction Ordinance | A30-3                     | 04.07.1979       |
| Hessian Construction Ordinance | A30-4                     | 07.07.2017       |
| Hessian Construction Ordinance | A3-10                     | 20.07.1993       |
| Hessian Construction Ordinance | A31-1                     | 07.11.1957       |
| Hessian Construction Ordinance | A31-2                     | 19.07.2004       |
| Hessian Construction Ordinance | A32-2                     | 22.07.1976       |
| Hessian Construction Ordinance | A32-3                     | 04.02.2010       |
| Hessian Construction Ordinance | A32-4                     |                  |
| Hessian Construction Ordinance | A32-5                     | 29.03.2011       |
| Hessian Construction Ordinance | A32-6                     | 20.02.2014       |
| Hessian Construction Ordinance | A32-6A                    | 10.05.2014       |
| Hessian Construction Ordinance | A33-1                     | 04.07.2002       |
| Hessian Construction Ordinance | A33-2                     | 09.10.2009       |
| Hessian Construction Ordinance | A350-1                    | 05.09.2017       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                                                  | Internal reference number | Date of approval |
|---------------------------------------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance                                | A36-10                    | 27.01.2010       |
| Hessian Construction Ordinance                                | A37-1                     | 24.03.1981       |
| Hessian Construction Ordinance                                | A38-8                     | 27.01.2010       |
| Hessian Construction Ordinance                                | A39-1                     | 27.10.1989       |
| Federal Pollution Control Act (Bundes-Immissionsschutzgesetz) | A39-3                     | 12.06.2003       |
| Federal Pollution Control Act                                 | A39-5                     | 08.06.2000       |
| Federal Pollution Control Act                                 | A39-A1                    |                  |
| Hessian Construction Ordinance                                | A40/45-2                  | 25.02.2000       |
| Hessian Construction Ordinance                                | A4-1                      | 12.11.1993       |
| Hessian Construction Ordinance                                | A41-2                     | 04.07.1979       |
| Other provisions                                              | A4-2                      | 09.03.1994       |
| Water legislation                                             | A4-4                      | 02.07.1997       |
| Hessian Construction Ordinance                                | A44-2                     | 04.07.1979       |
| Water legislation                                             | A4-5                      | 27.11.1997       |
| Hessian Construction Ordinance                                | A45-2                     | 25.02.2000       |
| Water legislation                                             | A4-6                      | 25.07.2002       |
| Hessian Construction Ordinance                                | A46-1                     | 08.09.1961       |
| Hessian Construction Ordinance                                | A4-7                      | 09.10.2009       |
| Hessian Construction Ordinance                                | A47-1                     | 06.11.1964       |
| Hessian Construction Ordinance                                | A47-2                     | 18.02.1986       |
| Hessian Construction Ordinance                                | A47-3                     | 14.06.2004       |
| Hessian Construction Ordinance                                | A5-2                      | 12.04.1995       |
| Hessian Construction Ordinance                                | A52-1                     | 15.08.2014       |
| Hessian Construction Ordinance                                | A52-2                     | 21.10.2014       |
| Hessian Construction Ordinance                                | A53-2                     | 04.07.1979       |
| Hessian Construction Ordinance                                | A56-1                     | 27.10.1975       |
| Hessian Construction Ordinance                                | A57-1                     | 24.03.1981       |
| Hessian Construction Ordinance                                | A60-1                     | 03.03.1969       |
| Hessian Construction Ordinance                                | A60-2                     | 25.10.1974       |
| Hessian Construction Ordinance                                | A60-3                     | 19.03.2002       |
| Hessian Construction Ordinance                                | A60-4                     | 24.09.2004       |
| Hessian Construction Ordinance                                | A60-5                     | 15.02.2007       |
| Hessian Construction Ordinance                                | A60-6                     | 08.10.2010       |

| Field of law                   | Internal reference number | Date of approval                                                                                                                                                                           |
|--------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hessian Construction Ordinance | A60-7                     | 06.09.2012                                                                                                                                                                                 |
| Hessian Construction Ordinance | A60-8                     | 03.08.2015                                                                                                                                                                                 |
| Hessian Construction Ordinance | A61-1                     | 26.04.1993                                                                                                                                                                                 |
| Hessian Construction Ordinance | A6-2                      | 03.12.1996                                                                                                                                                                                 |
| Hessian Construction Ordinance | A8-2                      | 21.06.1986                                                                                                                                                                                 |
| Hessian Construction Ordinance | A9-1                      | 27.12.1950                                                                                                                                                                                 |
| Hessian Construction Ordinance | A99-1                     | 21.02.1994                                                                                                                                                                                 |
| Waste Act (Abfallgesetz)       | ABFALL-ALLG1              |                                                                                                                                                                                            |
| Water legislation              | ABW-10                    | 01.02.2011;01.08.2011;11.10.2011;10.06.2013;24.07.2013;26.09.2013;29.01.2014;10.03.2014;24.07.2014;21.07.2015;21.10.2015;20.01.2016;28.04.2016;26.10.2016;28.11.2016;18.01.2017;29.11.2017 |
| Water legislation;Waste Act    | ABW-10.3                  | 08.08.2013                                                                                                                                                                                 |
| Water legislation;Waste Act    | ABW-10.4                  | 16.04.2015                                                                                                                                                                                 |
| Water legislation              | ABW-10.5                  | 08.10.2015;28.11.2016                                                                                                                                                                      |
| Water legislation              | ABW-2                     | 27.01.1998                                                                                                                                                                                 |
| Water legislation              | ABW-6                     | 05.10.2001                                                                                                                                                                                 |
| Water legislation              | ABW-9                     | 30.09.2008;17.06.2010                                                                                                                                                                      |
| Other provisions               | ABWABG-1                  | 13.05.2011                                                                                                                                                                                 |
| Other provisions;Waste Act     | ABWAG-4                   |                                                                                                                                                                                            |
| Hessian Construction Ordinance | ADELUNGSS TRA&E47-1       | 03.07.1958                                                                                                                                                                                 |
| Hessian Construction Ordinance | ADELUNGSS TRA&E47-2       | 20.03.1959                                                                                                                                                                                 |
| Hessian Construction Ordinance | ADELUNGSS TRA&E47-3       | 13.02.1959                                                                                                                                                                                 |
| Hessian Construction Ordinance | ADELUNGSS TRA&E49-1       |                                                                                                                                                                                            |
| Hessian Construction Ordinance | ALSFELDER-1               | 21.12.2004                                                                                                                                                                                 |
| Hessian Construction Ordinance | ALSFELDER-2               | 23.03.2005                                                                                                                                                                                 |
| Hessian Construction Ordinance | ALSFELDER-3               | 07.12.2005                                                                                                                                                                                 |
| Hessian Construction Ordinance | ALSFELDER-4               |                                                                                                                                                                                            |
| Hessian Construction Ordinance | ALSFELDER-6               | 14.08.2015                                                                                                                                                                                 |
| Hessian Construction Ordinance | AUERBACHE R STRA&E5-1     | 22.02.1957                                                                                                                                                                                 |
| Hessian Construction Ordinance | AUERBACHE R STRA&E5-2     |                                                                                                                                                                                            |
| Hessian Construction Ordinance | AUERBACHE R STRA&E5-3     | 19.10.1992                                                                                                                                                                                 |
| Hessian Construction Ordinance | AUERBACHE R STRA&E6-1     |                                                                                                                                                                                            |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Water legislation              | AUFZUG-1                  | 28.08.2014       |
| Hessian Construction Ordinance | B11-1                     | 20.09.2016       |
| Hessian Construction Ordinance | B13-4                     | 01.06.2007       |
| Hessian Construction Ordinance | B1-4                      | 19.11.1996       |
| Hessian Construction Ordinance | B1-5                      | 22.04.1997       |
| Hessian Construction Ordinance | B2-1                      | 05.01.1906       |
| Hessian Construction Ordinance | B2-2                      | 20.07.1907       |
| Hessian Construction Ordinance | B22-12                    | 04.05.2016       |
| Hessian Construction Ordinance | B2-3                      | 06.02.1967       |
| Hessian Construction Ordinance | B23-2                     |                  |
| Hessian Construction Ordinance | B2-4                      | 10.10.1991       |
| Hessian Construction Ordinance | B2-5                      | 14.08.2014       |
| Hessian Construction Ordinance | B30-1                     | 31.07.2015       |
| Hessian Construction Ordinance | B30-2                     | 01.12.2014       |
| Hessian Construction Ordinance | B30-3                     | 12.02.2015       |
| Hessian Construction Ordinance | B30-4                     | 01.12.2017       |
| Hessian Construction Ordinance | B3-1                      | 27.05.1904       |
| Hessian Construction Ordinance | B31-1                     | 31.07.2015       |
| Hessian Construction Ordinance | B3-2                      | 21.05.1913       |
| Other provisions               | B3-3                      | 09.02.1914       |
| Hessian Construction Ordinance | B3-4                      | 13.08.1942       |
| Hessian Construction Ordinance | B3-5                      | 31.12.1943       |
| Hessian Construction Ordinance | B3-7                      |                  |
| Hessian Construction Ordinance | B4-1                      | 30.03.1914       |
| Hessian Construction Ordinance | B4-10                     |                  |
| Hessian Construction Ordinance | B4-11                     | 23.10.2103       |
| Water legislation              | B4-2                      | 30.03.1914       |
| Hessian Construction Ordinance | B4-3                      | 08.11.1932       |
| Hessian Construction Ordinance | B4-4                      | 31.05.1937       |
| Hessian Construction Ordinance | B4-6                      | 13.10.1966       |
| Hessian Construction Ordinance | B4-6A                     | 13.03.1970       |
| Hessian Construction Ordinance | B4-6B                     | 24.09.1974       |
| Hessian Construction Ordinance | B4-7                      | 20.05.1999       |
| Hessian Construction           | B4-8                      | 14.02.2002       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                                     | Internal reference number | Date of approval |
|--------------------------------------------------|---------------------------|------------------|
| Ordinance                                        |                           |                  |
| Hessian Construction Ordinance                   | B4-9                      | 20.03.2002       |
| Hessian Construction Ordinance                   | B8-1                      | 24.03.1981       |
| Hessian Construction Ordinance                   | B8-2                      | 08.08.2017       |
| Water legislation                                | B8-3                      | 01.03.2017       |
| Hessian Construction Ordinance                   | B9-4                      |                  |
| Hessian Construction Ordinance                   | BAA-ALLGEMEIN-0           |                  |
| Hessian Construction Ordinance                   | BAA-ALLGEMEIN-7           |                  |
| Hessian Construction Ordinance                   | BAA-ALLGEMEIN-8           |                  |
| Tree felling permission (Baumfäll-Erlaubnis HBO) | BÄUME-1                   | 28.10.1992       |
| Tree felling permission                          | BÄUME-10                  | 20.03.1996       |
| Tree felling permission                          | BÄUME-100                 | 07.06.2017       |
| Tree felling permission                          | BÄUME-101                 | 28.06.2017       |
| Tree felling permission                          | BÄUME-102                 | 06.07.2017       |
| Tree felling permission                          | BÄUME-103                 | 22.08.2017       |
| Tree felling permission                          | BÄUME-104                 | 22.08.2017       |
| Tree felling permission                          | BÄUME-105                 | 05.10.2017       |
| Tree felling permission                          | BÄUME-106                 | 17.10.2017       |
| Tree felling permission                          | BÄUME-107                 | 17.10.2017       |
| Tree felling permission                          | BÄUME-108                 | 09.11.2017       |
| Tree felling permission                          | BÄUME-109                 | 20.11.2017       |
| Tree felling permission                          | BÄUME-11                  | 12.11.1996       |
| Tree felling permission                          | BÄUME-110                 | 29.11.2017       |
| Tree felling permission                          | BÄUME-12                  | 07.03.1997       |
| Tree felling permission                          | BÄUME-13                  | 08.12.1997       |
| Tree felling permission                          | BÄUME-14                  | 13.03.1998       |
| Tree felling permission                          | BÄUME-15                  | 09.11.1998       |
| Tree felling permission                          | BÄUME-16                  | 23.03.2000       |
| Tree felling permission                          | BÄUME-17                  | 23.03.2000       |
| Tree felling permission                          | BÄUME-18                  | 10.07.2001       |
| Tree felling permission                          | BÄUME-2                   | 28.10.1992       |
| Tree felling permission                          | BÄUME-20                  | 09.10.2001       |
| Tree felling permission                          | BÄUME-21                  | 20.11.2002       |
| Tree felling permission                          | BÄUME-22                  | 19.09.2002       |
| Tree felling permission                          | BÄUME-23                  |                  |
| Tree felling permission                          | BÄUME-24                  | 22.01.2004       |
| Tree felling permission                          | BÄUME-25                  | 12.02.2004       |
| Tree felling permission                          | BÄUME-26                  | 17.11.2004       |
| Tree felling permission                          | BÄUME-27                  | 09.12.2005       |
| Tree felling permission                          | BÄUME-28                  | 06.12.2005       |
| Tree felling permission                          | BÄUME-29                  | 19.09.2006       |
| Tree felling permission                          | BÄUME-3                   | 24.03.1993       |
| Tree felling permission                          | BÄUME-30                  | 10.11.2006       |
| Tree felling permission                          | BÄUME-31                  | 10.11.2006       |
| Tree felling permission                          | BÄUME-32                  | 20.03.2007       |
| Tree felling permission                          | BÄUME-33                  | 24.04.2007       |
| Tree felling permission                          | BÄUME-34                  | 28.03.2007       |
| Tree felling permission                          | BÄUME-35                  | 23.11.2007       |

| Field of law            | Internal reference number | Date of approval |
|-------------------------|---------------------------|------------------|
| Tree felling permission | BÄUME-36                  | 10.03.2008       |
| Tree felling permission | BÄUME-37                  | 09.11.2004       |
| Tree felling permission | BÄUME-38                  | 20.05.1999       |
| Tree felling permission | BÄUME-39                  | 08.07.2008       |
| Tree felling permission | BÄUME-4                   | 18.03.1994       |
| Tree felling permission | BÄUME-40                  | 25.11.2008       |
| Tree felling permission | BÄUME-41                  | 26.03.2009       |
| Tree felling permission | BÄUME-42                  | 08.04.2009       |
| Tree felling permission | BÄUME-43                  | 17.09.2009       |
| Tree felling permission | BÄUME-44                  | 22.06.2010       |
| Tree felling permission | BÄUME-45                  | 10.01.2011       |
| Tree felling permission | BÄUME-46                  | 21.02.2011       |
| Tree felling permission | BÄUME-47                  | 19.04.2012       |
| Tree felling permission | BÄUME-48                  | 21.11.2011       |
| Tree felling permission | BÄUME-49                  | 17.04.2012       |
| Tree felling permission | BÄUME-5                   | 12.09.1994       |
| Tree felling permission | BÄUME-50                  | 17.04.2012       |
| Tree felling permission | BÄUME-51                  | 03.07.2012       |
| Tree felling permission | BÄUME-52                  | 02.10.2012       |
| Tree felling permission | BÄUME-53                  | 22.10.2012       |
| Tree felling permission | BÄUME-54                  | 11.02.2013       |
| Tree felling permission | BÄUME-55                  | 11.06.2013       |
| Tree felling permission | BÄUME-56                  | 02.09.2013       |
| Tree felling permission | BÄUME-57                  | 04.11.2013       |
| Tree felling permission | BÄUME-58                  | 17.12.2013       |
| Tree felling permission | BÄUME-59                  | 18.02.2014       |
| Tree felling permission | BÄUME-6                   | 11.05.1995       |
| Tree felling permission | BÄUME-60                  | 30.04.2014       |
| Tree felling permission | BÄUME-61                  | 03.03.2014       |
| Tree felling permission | BÄUME-62                  | 07.04.2014       |
| Tree felling permission | BÄUME-63                  | 03.04.2014       |
| Tree felling permission | BÄUME-64                  | 07.04.2014       |
| Tree felling permission | BÄUME-65                  | 16.04.2014       |
| Tree felling permission | BÄUME-66                  | 17.06.2014       |
| Tree felling permission | BÄUME-67                  | 10.06.2014       |
| Tree felling permission | BÄUME-68                  | 02.06.2014       |
| Tree felling permission | BÄUME-69                  | 11.06.2014       |
| Tree felling permission | BÄUME-7                   | 21.11.1995       |
| Tree felling permission | BÄUME-70                  | 07.10.2014       |
| Tree felling permission | BÄUME-71                  | 22.07.2014       |
| Tree felling permission | BÄUME-72                  | 02.03.2015       |
| Tree felling permission | BÄUME-74                  |                  |
| Tree felling permission | BÄUME-75                  | 24.09.2014       |
| Tree felling permission | BÄUME-76                  | 29.09.2014       |
| Tree felling permission | BÄUME-77                  | 30.09.2014       |
| Tree felling permission | BÄUME-78                  | 01.12.2014       |
| Tree felling permission | BÄUME-79                  | 08.12.2014       |
| Tree felling permission | BÄUME-8                   | 06.02.1996       |
| Tree felling permission | BÄUME-80                  | 08.12.2014       |
| Tree felling permission | BÄUME-81                  | 30.06.2015       |
| Tree felling permission | BÄUME-82                  | 30.07.2015       |
| Tree felling permission | BÄUME-83                  | 03.09.2015       |
| Tree felling permission | BÄUME-84                  | 12.10.2015       |
| Tree felling permission | BÄUME-86                  | 17.06.2015       |
| Tree felling permission | BÄUME-87                  | 10.12.2015       |
| Tree felling permission | BÄUME-88                  | 13.01.2016       |
| Tree felling permission | BÄUME-89                  | 21.03.2016       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Tree felling permission        | BÄUME-9                   | 20.03.1996       |
| Tree felling permission        | BÄUME-90                  | 18.02.2016       |
| Tree felling permission        | BÄUME-91                  | 16.03.2016       |
| Tree felling permission        | BÄUME-92                  | 15.03.2016       |
| Tree felling permission        | BÄUME-93                  | 16.06.2016       |
| Tree felling permission        | BÄUME-94                  | 06.07.2016       |
| Tree felling permission        | BÄUME-95                  | 26.07.2016       |
| Tree felling permission        | BÄUME-96                  | 13.09.2016       |
| Tree felling permission        | BÄUME-97                  | 02.03.2017       |
| Tree felling permission        | BÄUME-98                  | 02.03.2017       |
| Tree felling permission        | BÄUME-99                  | 06.06.2017       |
| Tree felling permission        | BÄUME-ALLGEMEIN-1         |                  |
| Other provisions               | BIO1-1                    | 17.10.2000       |
| Other provisions               | BIO1-2                    | 30.04.2002       |
| Federal Pollution Control Act  | BIOFAB-1                  | 10.06.2003       |
| Hessian Construction Ordinance | BRANDISSRT ABE1C-1        | 30.11.1953       |
| Hessian Construction Ordinance | BRANDISSTR ABE10-1        |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE10-2        | 30.10.1995       |
| Hessian Construction Ordinance | BRANDISSTR ABE1-1         | 02.08.1952       |
| Hessian Construction Ordinance | BRANDISSTR ABE11-1        | 03.12.1953       |
| Hessian Construction Ordinance | BRANDISSTR ABE1-2         |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE12-1        |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE13-1        |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE15-1        |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE17-1        |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE2-1         | 19.10.1951       |
| Hessian Construction Ordinance | BRANDISSTR ABE3-1         |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE4-1         |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE5-1         |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE6-1         |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE7-1         |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE8-1         |                  |
| Hessian Construction Ordinance | BRANDISSTR ABE9-1         |                  |
| Hessian Construction Ordinance | BUCHENWEG 1-1             | 23.11.1970       |
| Hessian Construction Ordinance | BUCHENWEG 3-1             |                  |
| Hessian Construction Ordinance | C10-1                     | 07.05.1981       |
| Hessian Construction Ordinance | C10-2                     | 17.12.1981       |
| Hessian Construction           | C10-3                     | 18.04.2007       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | C1-1                      | 01.08.1934       |
| Hessian Construction Ordinance | C11-1                     | 09.04.1986       |
| Hessian Construction Ordinance | C11-2                     |                  |
| Water legislation              | C1-2                      | 08.08.1938       |
| Hessian Construction Ordinance | C1-3                      | 14.10.1944       |
| Hessian Construction Ordinance | C13-1                     | 29.05.2000       |
| Water legislation              | C1-4                      | 19.09.2000       |
| Hessian Construction Ordinance | C2-1                      | 15.04.1939       |
| Hessian Construction Ordinance | C2-2                      | 19.05.1953       |
| Water legislation              | C3-2                      | 05.11.1937       |
| Hessian Construction Ordinance | C4-3                      | 02.10.1951       |
| Hessian Construction Ordinance | C4-4                      | 25.08.1952       |
| Hessian Construction Ordinance | C4-5                      | 06.09.1988       |
| Water legislation              | C4-6                      | 09.03.1998       |
| Hessian Construction Ordinance | C5-3                      |                  |
| Hessian Construction Ordinance | C6-1                      | 14.03.1960       |
| Hessian Construction Ordinance | C7/8-1                    | 27.04.1923       |
| Hessian Construction Ordinance | C7/8-2                    | 21.07.1924       |
| Hessian Construction Ordinance | C7-3                      | 16.11.1981       |
| Hessian Construction Ordinance | C8-2                      | 13.04.2016       |
| Hessian Construction Ordinance | C9-1                      | 28.03.2007       |
| Hessian Construction Ordinance | C9-2                      | 17.08.2009       |
| Hessian Construction Ordinance | C9-3                      | 27.02.2017       |
| Hessian Construction Ordinance | CONTAINER-1               | 29.06.2005       |
| Hessian Construction Ordinance | D10-3                     | 12.08.1986       |
| Hessian Construction Ordinance | D11-1                     | 20.05.1958       |
| Hessian Construction Ordinance | D11-2                     | 06.01.1975       |
| Hessian Construction Ordinance | D11-3                     |                  |
| Hessian Construction Ordinance | D11-6                     | 27.07.2015       |
| Hessian Construction Ordinance | D1-2                      | 06.11.1948       |
| Hessian Construction Ordinance | D12-3                     | 29.04.1958       |
| Hessian Construction Ordinance | D12-4                     | 06.01.1975       |
| Hessian Construction Ordinance | D12-5                     | 14.06.2000       |
| Hessian Construction           | D1-3                      |                  |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | D14-2                     | 12.08.1986       |
| Hessian Construction Ordinance | D15-1                     | 09.01.1923       |
| Hessian Construction Ordinance | D15-10                    | 27.07.2015       |
| Hessian Construction Ordinance | D15-10A                   |                  |
| Hessian Construction Ordinance | D15-3                     | 28.07.1934       |
| Hessian Construction Ordinance | D15-4                     | 26.09.1941       |
| Hessian Construction Ordinance | D15-4A                    | 27.12.1950       |
| Hessian Construction Ordinance | D15-5                     | 06.03.1952       |
| Hessian Construction Ordinance | D15-5A                    |                  |
| Hessian Construction Ordinance | D15-5B                    | 08.10.1999       |
| Hessian Construction Ordinance | D15-6                     | 14.06.2000       |
| Hessian Construction Ordinance | D15-7                     | 24.10.2007       |
| Hessian Construction Ordinance | D15-9                     | 27.02.2017       |
| Hessian Construction Ordinance | D17-2                     | 12.08.1986       |
| Hessian Construction Ordinance | D18-2                     | 12.08.1986       |
| Hessian Construction Ordinance | D19-2                     | 09.11.2015       |
| Hessian Construction Ordinance | D20-1                     | 11.11.1983       |
| Hessian Construction Ordinance | D20-2                     | 23.12.1991       |
| Hessian Construction Ordinance | D20-3                     |                  |
| Hessian Construction Ordinance | D20-4                     |                  |
| Hessian Construction Ordinance | D21-2                     | 06.05.1983       |
| Hessian Construction Ordinance | D2-2                      | 20.08.1954       |
| Hessian Construction Ordinance | D22-2                     | 22.03.2013       |
| Hessian Construction Ordinance | D2-2A                     |                  |
| Other provisions               | D2-3                      | 02.07.1993       |
| Hessian Construction Ordinance | D2-4                      | 24.10.2007       |
| Hessian Construction Ordinance | D24-3                     | 22.03.2013       |
| Hessian Construction Ordinance | D25-5                     | 26.05.2011       |
| Hessian Construction Ordinance | D26-2                     | 22.03.2013       |
| Hessian Construction Ordinance | D27-1                     | 22.08.2011       |
| Hessian Construction Ordinance | D2-8                      | 27.07.2015       |
| Water legislation              | D2-9                      | 26.01.2017       |
| Hessian Construction           | D29-4                     | 12.08.1986       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | D29-5                     | 31.03.2005       |
| Hessian Construction Ordinance | D29-6                     | 27.02.2006       |
| Hessian Construction Ordinance | D3-1                      | 30.10.1986       |
| Hessian Construction Ordinance | D31-4                     | 23.05.2001       |
| Hessian Construction Ordinance | D32-3                     | 06.04.1988       |
| Hessian Construction Ordinance | D33-0                     | 06.05.1983       |
| Hessian Construction Ordinance | D33-1                     | 06.04.1988       |
| Hessian Construction Ordinance | D33-11                    | 26.02.2003       |
| Hessian Construction Ordinance | D33-13                    | 26.01.2012       |
| Hessian Construction Ordinance | D33-15                    | 14.05.2013       |
| Hessian Construction Ordinance | D33-16                    | 07.03.2013       |
| Water legislation              | D33-17                    | 29.09.2014       |
| Hessian Construction Ordinance | D33-18                    | 26.11.2015       |
| Hessian Construction Ordinance | D33-5                     | 15.09.1992       |
| Federal Pollution Control Act  | D33-A2                    | 01.07.2008       |
| Hessian Construction Ordinance | D34-3                     | 13.11.2012       |
| Hessian Construction Ordinance | D35-2                     | 06.05.1983       |
| Hessian Construction Ordinance | D35-4                     | 02.12.2009       |
| Hessian Construction Ordinance | D3-6                      | 01.03.2013       |
| Hessian Construction Ordinance | D36-3                     | 07.09.2009       |
| Hessian Construction Ordinance | D37/38-2                  | 30.10.2001       |
| Hessian Construction Ordinance | D37-2                     | 06.05.1983       |
| Hessian Construction Ordinance | D37-5                     | 07.09.2009       |
| Hessian Construction Ordinance | D38-3                     | 07.09.2009       |
| Hessian Construction Ordinance | D39-1                     | 15.02.2010       |
| Hessian Construction Ordinance | D39-2                     | 26.09.2011       |
| Hessian Construction Ordinance | D40-1                     | 27.05.1977       |
| Hessian Construction Ordinance | D41-1                     | 23.03.1982       |
| Hessian Construction Ordinance | D4-2                      | 02.10.1946       |
| Hessian Construction Ordinance | D42-1                     | 29.12.1989       |
| Hessian Construction Ordinance | D4-3                      | 12.11.1991       |
| Hessian Construction Ordinance | D43-2                     | 06.01.1992       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval      |
|--------------------------------|---------------------------|-----------------------|
| Hessian Construction Ordinance | D44-1                     | 25.07.1989            |
| Hessian Construction Ordinance | D44-1A                    | 31.03.1992            |
| Hessian Construction Ordinance | D44-2                     | 26.09.1990            |
| Hessian Construction Ordinance | D45-1                     | 15.01.1988            |
| Hessian Construction Ordinance | D48-1                     | 05.09.2008            |
| Hessian Construction Ordinance | D50-1                     | 13.07.2015            |
| Hessian Construction Ordinance | D50-2                     | 29.02.2016            |
| Hessian Construction Ordinance | D52-1                     | 08.08.2017            |
| Hessian Construction Ordinance | D54-1                     | 10.05.2005            |
| Hessian Construction Ordinance | D56/57-1                  | 12.05.2009            |
| Hessian Construction Ordinance | D9-2                      | 22.03.2013            |
| Hessian Construction Ordinance | DIEBURGERS TR.235-1       | 18.02.1955            |
| Hessian Construction Ordinance | DIEBURGERS TR.235-2       | 10.05.1963            |
| Hessian Construction Ordinance | DIEBURGERS TR.235-3       | 03.09.1964            |
| Water legislation              | DIEBURGERS TR.235-4       | 03.12.1975            |
| Tree felling permission        | DIEBURGERS TR.235-5       | 18.10.1984            |
| Hessian Construction Ordinance | DIEBURGERS TRAßE23-1      | 18.02.1955            |
| Hessian Construction Ordinance | DIEBURGERS TRAßE23-10     |                       |
| Tree felling permission        | DIEBURGERS TRAßE23-11     | 25.07.1995            |
| Hessian Construction Ordinance | DIEBURGERS TRAßE23-2      | 10.05.1963            |
| Hessian Construction Ordinance | DIEBURGERS TRAßE23-3      | 03.09.1964            |
| Water legislation              | DIEBURGERS TRAßE23-4      |                       |
| Tree felling permission        | DIEBURGERS TRAßE23-5      | 18.10.1984            |
| Water legislation              | DIEBURGERS TRAßE23-6      | 06.08.1992            |
| Hessian Construction Ordinance | DIEBURGERS TRAßE23-7      | 02.07.1992            |
| Hessian Construction Ordinance | DIEBURGERS TRAßE23-8      |                       |
| Hessian Construction Ordinance | DIEBURGERS TRAßE23-9      | 08.04.1994            |
| Hessian Construction Ordinance | DÜKER-3                   | 05.03.2008            |
| Railway Act                    | DÜKER-4                   | 15.12.2015            |
| Railway Act                    | DÜKER-5                   | 19.11.2014;01.06.2015 |
| Hessian Construction Ordinance | E10-2                     | 07.05.2003            |
| Hessian Construction Ordinance | E12-1                     | 29.09.1955            |
| Hessian Construction Ordinance | E12-2                     | 05.09.2013            |

| Field of law                                         | Internal reference number | Date of approval |
|------------------------------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance                       | E13-3                     | 03.09.2002       |
| Hessian Construction Ordinance                       | E18-2                     | 02.04.1997       |
| Hessian Construction Ordinance                       | E19-1                     | 07.05.2003       |
| Hessian Construction Ordinance                       | E20-1                     | 10.02.1998       |
| Hessian Construction Ordinance                       | E21-1                     | 07.05.2003       |
| Hessian Construction Ordinance                       | E22-1                     | 07.05.2003       |
| Hessian Construction Ordinance                       | E23/E33-15                | 07.05.2003       |
| Hessian Construction Ordinance                       | E23-14                    | 07.05.2003       |
| Hessian Construction Ordinance                       | E24-2                     | 07.05.2003       |
| Hessian Construction Ordinance                       | E25-4                     | 24.09.1981       |
| Hessian Construction Ordinance                       | E26-1                     | 12.09.1988       |
| Hessian Construction Ordinance                       | E28-2                     |                  |
| Hessian Construction Ordinance                       | E29-2                     | 12.09.1988       |
| Hessian Construction Ordinance                       | E30-1                     | 07.05.2003       |
| Hessian Construction Ordinance                       | E31-1                     | 07.05.2003       |
| Hessian Construction Ordinance                       | E32-1                     |                  |
| Hessian Construction Ordinance                       | E33-3                     | 07.05.2003       |
| Water legislation                                    | E34-1                     | 15.02.1996       |
| Water legislation                                    | E34-2                     | 01.06.1995       |
| Hessian Construction Ordinance                       | E41-1                     | 02.04.1997       |
| Hessian Construction Ordinance                       | E42-4                     |                  |
| Federal Pollution Control Act                        | E50/52-1                  | 30.07.1997       |
| Hessian Construction Ordinance                       | E50/52-2                  | 04.05.2009       |
| Operating Safety Ordinance                           | E50/52-3                  | 04.09.2015       |
| Federal Pollution Control Act                        | E50/52-A1                 | 06.10.1999       |
| Federal Pollution Control Act                        | E50/52-A2                 | 16.04.2009       |
| Hessian Construction Ordinance                       | E50-1                     |                  |
| Hessian Construction Ordinance                       | E51-1                     |                  |
| Water legislation                                    | E52-2                     | 04.09.2001       |
| Hessian Construction Ordinance                       | E53-1                     |                  |
| Hessian Construction Ordinance                       | E54-1                     |                  |
| Federal Pollution Control Act Steam Boiler Ordinance | E55/56-1                  | 27.11.2001       |
| Hessian Construction Ordinance                       | E55/56-1A                 | 27.11.2001       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | E60-1                     | 20.06.2008       |
| Hessian Construction Ordinance | E60-2                     | 01.07.2008       |
| Hessian Construction Ordinance | E60-3                     | 10.01.2011       |
| Hessian Construction Ordinance | E60-4                     | 12.10.2011       |
| Hessian Construction Ordinance | E61-1                     | 08.04.2008       |
| Hessian Construction Ordinance | E61-1A                    | 04.06.2009       |
| Hessian Construction Ordinance | E61-2                     | 25.07.2008       |
| Hessian Construction Ordinance | E62-1                     | 18.08.2010       |
| Hessian Construction Ordinance | E64-1                     | 23.10.2013       |
| Hessian Construction Ordinance | E65-1                     | 19.07.2017       |
| Hessian Construction Ordinance | EB-1                      | 26.10.1983       |
| Hessian Construction Ordinance | EICHENDORF FSTRASSE19-1   | 24.09.1962       |
| Hessian Construction Ordinance | EICHENDORF FSTRASSE19-2   |                  |
| Hessian Construction Ordinance | EICHENDORF FSTRASSE21-1   |                  |
| Hessian Construction Ordinance | EICHENDORF FSTRASSE23-1   | 26.09.1960       |
| Hessian Construction Ordinance | EICHENDORF FSTRASSE23-2   | 15.02.1962       |
| Hessian Construction Ordinance | EICHENDORF FSTRASSE25-1   |                  |
| Other provisions               | EKVO-3                    | 18.05.2011       |
| Hessian Construction Ordinance | ELFEN-1                   | 01.02.1963       |
| Water legislation              | ELFEN-2                   | 17.02.1976       |
| Hessian Construction Ordinance | EMP-1                     |                  |
| Hessian Construction Ordinance | F10-1                     | 11.05.1987       |
| Hessian Construction Ordinance | F10-2                     | 21.11.2001       |
| Hessian Construction Ordinance | F11-5                     | 01.06.1987       |
| Hessian Construction Ordinance | F11-6                     | 09.06.2008       |
| Hessian Construction Ordinance | F12-1                     | 18.07.1994       |
| Hessian Construction Ordinance | F12-1A                    | 11.05.1987       |
| Water legislation              | F126-2                    | 16.07.2002       |
| Hessian Construction Ordinance | F127-1                    |                  |
| Water legislation              | F127-2                    | 17.08.2001       |
| Water legislation              | F127-3                    | 27.03.2002       |
| Hessian Construction Ordinance | F128-1                    | 17.09.1998       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval      |
|--------------------------------|---------------------------|-----------------------|
| Water legislation              | F128-1A                   | 19.05.1998            |
| Hessian Construction Ordinance | F128-2                    | 15.06.2007            |
| Hessian Construction Ordinance | F129-0                    | 25.09.1997            |
| Water legislation              | F129-0A                   | 01.04.1997            |
| Hessian Construction Ordinance | F129-1                    | 25.09.1998            |
| Hessian Construction Ordinance | F129-1A                   | 19.11.1998            |
| Hessian Construction Ordinance | F129-2                    | 14.07.2009            |
| Hessian Construction Ordinance | F129-3                    | 09.02.2015            |
| Hessian Construction Ordinance | F131-1                    | 07.02.1996            |
| Water legislation              | F131-1A                   | 27.11.1995            |
| Hessian Construction Ordinance | F131-2                    | 04.07.2007            |
| Hessian Construction Ordinance | F131-3                    | 19.12.2013            |
| Hessian Construction Ordinance | F131-4                    | 11.08.2014            |
| Hessian Construction Ordinance | F131-5                    | 07.08.2015            |
| Hessian Construction Ordinance | F13-2                     | 29.10.1909            |
| Hessian Construction Ordinance | F13-3                     | 28.04.1948            |
| Water legislation              | F133-0                    | 22.05.1979            |
| Water legislation              | F133-0A                   | 03.11.1994            |
| Hessian Construction Ordinance | F133-1                    | 24.05.1995            |
| Hessian Construction Ordinance | F133-1A                   | 29.07.1997            |
| Hessian Construction Ordinance | F133-2                    | 20.02.2014            |
| Hessian Construction Ordinance | F133-3                    | 21.02.2014            |
| Hessian Construction Ordinance | F133-4                    | 28.07.2014            |
| Hessian Construction Ordinance | F133-5                    | 11.05.2015            |
| Hessian Construction Ordinance | F133-6                    | 21.06.2016            |
| Hessian Construction Ordinance | F13-4                     | 10.02.2014            |
| Hessian Construction Ordinance | F134-1                    | 13.08.2014;22.09.2014 |
| Hessian Construction Ordinance | F134-1A                   | 22.09.2014            |
| Hessian Construction Ordinance | F134-2                    | 14.07.2015            |
| Other provisions               | F134-3                    | 16.12.2014            |
| Hessian Construction Ordinance | F135-1                    | 08.02.2002            |
| Water legislation              | F135-1A                   | 17.01.2002            |
| Water legislation              | F135-1B                   |                       |
| Hessian Construction Ordinance | F135-2                    | 25.06.2003            |
| Hessian Construction Ordinance | F135-3                    | 30.01.2003            |
| Hessian Construction Ordinance | F135-4                    | 28.05.2013            |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | F135-5                    |                  |
| Hessian Construction Ordinance | F136-1                    | 12.10.2017       |
| Hessian Construction Ordinance | F14-19                    | 10.02.2014       |
| Hessian Construction Ordinance | F14-2                     | 09.10.1946       |
| Hessian Construction Ordinance | F15-1                     | 11.05.1987       |
| Hessian Construction Ordinance | F16/18-13                 | 07.05.2003       |
| Hessian Construction Ordinance | F16/19-15                 | 04.11.2004       |
| Hessian Construction Ordinance | F20-2                     |                  |
| Hessian Construction Ordinance | F2-1A                     | 20.02.1987       |
| Hessian Construction Ordinance | F22-1                     | 30.03.2001       |
| Hessian Construction Ordinance | F22-2                     | 21.02.2001       |
| Hessian Construction Ordinance | F2-3                      | 03.04.2013       |
| Hessian Construction Ordinance | F25-1                     | 07.03.2008       |
| Hessian Construction Ordinance | F30-1                     | 05.06.2014       |
| Hessian Construction Ordinance | F3-2                      |                  |
| Hessian Construction Ordinance | F38-2                     | 21.06.1987       |
| Hessian Construction Ordinance | F5-1                      | 22.12.1989       |
| Hessian Construction Ordinance | F61-1                     | 23.06.2008       |
| Hessian Construction Ordinance | F61-2                     | 09.08.2010       |
| Hessian Construction Ordinance | F61-3                     | 04.03.2015       |
| Hessian Construction Ordinance | F65-1                     | 07.05.2008       |
| Hessian Construction Ordinance | F65-2                     | 02.05.2014       |
| Hessian Construction Ordinance | F6-6                      | 19.06.2007       |
| Hessian Construction Ordinance | F7-3                      | 07.05.2003       |
| Hessian Construction Ordinance | FELDBERGSTR.80-1          |                  |
| Hessian Construction Ordinance | FELDBERGSTR.80-2          | 11.09.2002       |
| Hessian Construction Ordinance | FELDBERGSTR.80-3          | 26.08.2015       |
| Other provisions               | FEUER-3                   | 04.03.2014       |
| Hessian Construction Ordinance | FRANKFURT-1               | 09.05.1950       |
| Hessian Construction Ordinance | FRANKFURT-2               | 13.05.1954       |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.20-1  | 27.05.1993       |
| Hessian Construction Ordinance | FRANKFURTER               |                  |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
|                                | LANDSTR.22-1              |                  |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.24-1  |                  |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.26-1  |                  |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.28-1  | 20.04.1982       |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.18-1  | 09.05.1950       |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.18-2  | 13.05.1954       |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.7-1   |                  |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.7-2   | 05.11.2009       |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.7-4   | 01.10.2013       |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.7A-1  |                  |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.8-3   | 26.06.1981       |
| Hessian Construction Ordinance | FRANKFURTER LANDSTR.8-4   | 19.01.1988       |
| Hessian Construction Ordinance | G10-1                     | 04.08.1911       |
| Hessian Construction Ordinance | G10-2                     | 12.11.1991       |
| Hessian Construction Ordinance | G10-3                     | 11.04.1995       |
| Hessian Construction Ordinance | G14-1                     | 12.11.1991       |
| Hessian Construction Ordinance | G16-1                     | 03.03.1992       |
| Hessian Construction Ordinance | G35-1                     | 04.06.1986       |
| Hessian Construction Ordinance | G39-3                     | 20.05.1998       |
| Hessian Construction Ordinance | G4-1                      | 12.11.1991       |
| Hessian Construction Ordinance | G50-2                     | 13.03.1998       |
| Hessian Construction Ordinance | G5-1                      | 12.11.1991       |
| Hessian Construction Ordinance | G51-2                     | 30.03.2001       |
| Hessian Construction Ordinance | G6/G12-5                  | 20.05.1998       |
| Federal Pollution Control Act  | G6/G12-6                  | 25.01.1999       |



## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                                        | Internal reference number | Date of approval       |
|-----------------------------------------------------|---------------------------|------------------------|
| Hessian Construction Ordinance                      | G7-2                      | 30.03.2001             |
| Hessian Construction Ordinance                      | GANTE-1                   | 24.04.1995             |
| High-pressure gas pipelines (Gashochdruckleitungen) | GAS-1                     | 27.05.1999             |
| High-pressure gas pipelines                         | GAS-2                     | 27.05.1999             |
| High-pressure gas pipelines                         | GAS-3                     | 27.05.1999             |
| Gene Technology Law (Gentechnik-Gesetz)             | GEN29-1                   | 07.02.2002             |
| Gene Technology Law                                 | GEN29-2                   | 25.03.2010             |
| Gene Technology Law                                 | GEN29-3                   | 09.12.2011             |
| Gene Technology Law                                 | GEN29-4                   | 18.06.2013             |
| Gene Technology Law                                 | GEN29-5                   |                        |
| Gene Technology Law                                 | GEN29-6                   | 16.03.2017             |
| Gene Technology Law                                 | GEN34-1                   | 04.01.2011             |
| Gene Technology Law                                 | GEN34-2                   | 20.12.2012             |
| Gene Technology Law                                 | GEN34-3                   | 01.03.2013             |
| Gene Technology Law                                 | GEN34-4                   | 25.06.2013             |
| Gene Technology Law                                 | GEN34-5                   | 12.05.2014             |
| Gene Technology Law                                 | GEN34-6                   | 18.09.2015             |
| Gene Technology Law                                 | GEN34-7                   | 10.07.2017             |
| Gene Technology Law                                 | GEN-ALLG                  |                        |
| Water legislation                                   | GEW-1                     |                        |
| Hessian Construction Ordinance                      | GIESSEN-1                 | 09.05.1950             |
| Hessian Construction Ordinance                      | GIESSEN-2                 | 03.06.1953             |
| Railway Act (Eisenbahngesetz)                       | GLEIS-1                   | 10.04.1990             |
| Railway Act                                         | GLEIS-10                  | 17.05.2001             |
| Railway Act                                         | GLEIS-11                  | 23.02.2005             |
| Railway Act                                         | GLEIS-12                  | 15.12.2015             |
| Railway Act                                         | GLEIS-13                  | 19.11.2014; 01.06.2015 |
| Railway Act                                         | GLEIS-2                   | 16.12.1991             |
| Railway Act                                         | GLEIS-3                   | 09.05.1995             |
| Railway Act                                         | GLEIS-5                   | 07.07.1997             |
| Railway Act                                         | GLEIS-6                   | 23.03.1994             |
| Railway Act                                         | GLEIS-7                   | 03.03.1998             |
| Railway Act                                         | GLEIS-8                   | 08.09.1997             |
| Railway Act                                         | GLEIS-9                   | 14.01.1998             |
| Railway Act                                         | GLEIS-ALLG1               |                        |
| Hessian Construction Ordinance                      | GOETHESTR A&E44           |                        |
| Hessian Construction Ordinance                      | GOETHESTR A&E44-2         | 16.10.1952             |
| Hessian Construction Ordinance                      | GOETHESTR A&E44-3         | 08.12.1961             |
| Hessian Construction Ordinance                      | GOETHESTR A&E46           |                        |
| Hessian Construction Ordinance                      | GOETHESTR A&E52-1         | 17.09.1954             |
| Hessian Construction Ordinance                      | GOETHESTR A&E52-2         | 24.05.1961             |
| Hessian Construction Ordinance                      | GOETHESTR A&E54-1         |                        |

| Field of law                                      | Internal reference number | Date of approval       |
|---------------------------------------------------|---------------------------|------------------------|
| Hessian Construction Ordinance                    | GOETHESTR A&E56-1         | 21.06.1954             |
| Hessian Construction Ordinance                    | GOETHESTR A&E58-1         |                        |
| Bavarian Construction Ordinance                   | GRAF-1                    | 10.01.1968             |
| Regulation inflammable materials                  | GRAF-10                   | 25.09.1984; 22.11.1984 |
| Bavarian Construction Ordinance; Other provisions | GRAF-11                   | 29.03.1990             |
| Bavarian Construction Ordinance                   | GRAF-12                   | 01.02.1996             |
| Bavarian Construction Ordinance                   | GRAF-13                   | 20.03.2002             |
| Bavarian Construction Ordinance                   | GRAF-14                   | 12.01.2007             |
| Bavarian Construction Ordinance                   | GRAF-15                   | 07.02.2007             |
| Bavarian Construction Ordinance                   | GRAF-16                   | 03.05.2011             |
| Bavarian Construction Ordinance                   | GRAF-17                   | 26.09.2012             |
| Bavarian Construction Ordinance                   | GRAF-2                    | 13.08.1969             |
| Bavarian Construction Ordinance                   | GRAF-3                    | 11.10.1971             |
| Bavarian Construction Ordinance                   | GRAF-4                    | 04.05.1973             |
| Bavarian Construction Ordinance                   | GRAF-5                    | 05.09.1973             |
| Bavarian Construction Ordinance                   | GRAF-6                    | 20.08.1975             |
| Bavarian Construction Ordinance                   | GRAF-7                    | 16.12.1976             |
| Bavarian Construction Ordinance                   | GRAF-8                    | 22.07.1983             |
| Bavarian Construction Ordinance                   | GRAF-8A                   | 22.07.1983             |
| Bavarian Construction Ordinance                   | GRAF-8B                   | 03.11.1983             |
| Regulation inflammable materials                  | GRAF-9                    | 25.09.1984             |
| Other provisions                                  | GRÜNFLÄCH E-1             | 11.12.2009             |
| Water legislation                                 | GWF-1                     | 28.08.1956             |
| Water legislation                                 | GWF-10                    | 28.12.1994             |
| Other provisions                                  | GWF-11                    | 29.09.1992             |
| Water legislation                                 | GWF-12                    | 09.09.1997             |
| Water legislation                                 | GWF-13                    | 21.10.1999             |
| Water legislation                                 | GWF-14                    | 27.03.2002             |
| Water legislation                                 | GWF-15                    | 08.12.2010             |
| Water legislation                                 | GWF-16                    | 15.04.2014; 12.05.2016 |
| Water legislation                                 | GWF-2                     | 15.12.1959             |
| Water legislation                                 | GWF-3                     | 29.07.1960             |
| Water legislation                                 | GWF-4                     | 10.12.1965             |
| Water legislation                                 | GWF-5                     | 13.12.1965             |
| Water legislation                                 | GWF-6                     | 14.10.1966             |
| Water legislation                                 | GWF-7                     | 02.01.1968             |
| Water legislation                                 | GWF-8                     | 28.11.1975             |
| Water legislation                                 | GWF-9                     | 05.11.1987             |
| Water legislation                                 | GWM-1                     | 01.09.1997             |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Water legislation              | GWM-2                     | 07.08.1998       |
| Water legislation              | GWM-3                     | 11.02.1999       |
| Water legislation              | GWM-4                     | 20.08.1999       |
| Water legislation              | GWM-ALLGEMEIN             |                  |
| Hessian Construction Ordinance | H10-1                     | 26.01.1989       |
| Hessian Construction Ordinance | H10-2                     | 27.03.1998       |
| Hessian Construction Ordinance | H10-3                     | 23.10.2014       |
| Hessian Construction Ordinance | H12-1                     | 29.03.1965       |
| Hessian Construction Ordinance | H12-2                     | 05.07.1988       |
| Hessian Construction Ordinance | H13-2                     | 19.10.1972       |
| Hessian Construction Ordinance | H15-1                     |                  |
| Hessian Construction Ordinance | H15-2                     | 12.08.2005       |
| Hessian Construction Ordinance | H20-1                     | 30.03.2001       |
| Hessian Construction Ordinance | H22-1                     | 24.07.1979       |
| Hessian Construction Ordinance | H23-1                     | 18.04.1978       |
| Hessian Construction Ordinance | H23-2                     | 20.11.2002       |
| Hessian Construction Ordinance | H25-1A                    | 17.02.1965       |
| Hessian Construction Ordinance | H26-1                     | 24.03.1981       |
| Hessian Construction Ordinance | H27-1                     | 21.01.1987       |
| Hessian Construction Ordinance | H29-1                     | 27.01.2015       |
| Hessian Construction Ordinance | H30-1                     | 24.03.1981       |
| High-pressure gas pipelines    | H30-2                     | 31.07.1998       |
| Hessian Construction Ordinance | H3-1                      | 28.06.1934       |
| Hessian Construction Ordinance | H31-2                     | 06.10.2009       |
| Hessian Construction Ordinance | H3-3                      | 10.02.1948       |
| Hessian Construction Ordinance | H3-4                      | 27.02.1978       |
| Hessian Construction Ordinance | H5-1                      | 03.03.2015       |
| Hessian Construction Ordinance | H5-2                      | 19.05.2016       |
| Hessian Construction Ordinance | H6-1                      | 08.01.1970       |
| Hessian Construction Ordinance | H6-2                      | 19.10.1972       |
| Hessian Construction Ordinance | H7-2                      | 06.09.1988       |
| Hessian Construction Ordinance | H7-4                      | 08.07.2009       |
| Hessian Construction Ordinance | H8-1                      | 20.02.1975       |
| Hessian Construction           | H9-1                      | 22.12.1942       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval                 |
|--------------------------------|---------------------------|----------------------------------|
| Ordinance                      |                           |                                  |
| Hessian Construction Ordinance | H9-2                      | 16.02.1943                       |
| Hessian Construction Ordinance | H9-3                      | 27.08.1943                       |
| Hessian Construction Ordinance | H9-4                      | 14.10.1948                       |
| Hessian Construction Ordinance | H9-5                      | 20.04.1953                       |
| Hessian Construction Ordinance | H9-6                      | 20.02.1975                       |
| Hessian Construction Ordinance | H9-7                      | 24.03.1981                       |
| Waste Act                      | HALDE-1                   | 27.10.1977                       |
| Waste Act                      | HALDE-10                  | 13.07.1995                       |
| Waste Act                      | HALDE-11                  | 28.07.1997;26.03.2014;01.11.2016 |
| Water legislation              | HALDE-12                  | 06.05.1997                       |
| Other provisions               | HALDE-13                  | 23.05.1997                       |
| Other provisions               | HALDE-14                  | 21.09.1999                       |
| Water legislation              | HALDE-15                  | 21.11.1997                       |
| Water legislation              | HALDE-18                  | 14.07.1999                       |
| Waste Act                      | HALDE-2                   | 21.11.1977                       |
| Waste Act                      | HALDE-20                  | 02.06.2000                       |
| Waste Act                      | HALDE-21                  | 24.10.2000                       |
| Waste Act                      | HALDE-22                  | 15.06.2001                       |
| Water legislation              | HALDE-23                  | 01.11.2001                       |
| Waste Act                      | HALDE-24                  | 22.10.1999                       |
| Waste Act                      | HALDE-25                  | 26.02.2004                       |
| Waste Act                      | HALDE-26                  | 17.12.2004                       |
| Waste Act                      | HALDE-27                  | 20.01.2006                       |
| Other provisions               | HALDE-28                  | 11.04.2006                       |
| Waste Act                      | HALDE-29                  | 13.10.2008                       |
| Waste Act                      | HALDE-30                  | 24.03.2010                       |
| Waste Act                      | HALDE-32                  | 02.03.2011                       |
| Water legislation;Waste Act    | HALDE-33                  | 25.02.2013;05.06.2013;05.09.2016 |
| Water legislation              | HALDE-4                   | 06.09.1985                       |
| Water legislation              | HALDE-5                   | 04.11.1987                       |
| Waste Act                      | HALDE-7                   | 29.03.1990                       |
| Waste Act                      | HALDE-8                   | 12.04.1995                       |
| Waste Act                      | HALDE-9                   | 05.04.1993                       |
| Waste Act                      | HALDE-A1                  | 05.03.2003                       |
| Waste Act                      | HALDE-A2                  | 14.04.2003                       |
| Waste Act                      | HALDE-A3                  | 11.07.2003                       |
| Waste Act                      | HALDE-A4                  | 19.09.2003                       |
| Hessian Construction Ordinance | HEIDELBERGER STRASSE47-1  | 18.12.1951                       |
| Hessian Construction Ordinance | HEIDELBERGER STRASSE47A-1 |                                  |
| Hessian Construction Ordinance | HEIDELBERGER STRASSE49-1  |                                  |
| Hessian Construction Ordinance | HEIDELBERGER STRASSE49A-1 |                                  |
| Hessian Construction Ordinance | HEIDELBERGER STRASSE51-1  | 15.05.1952                       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | HEIDELBERGER STRASSE51-2  |                  |
| Hessian Construction Ordinance | HEIDELBERGER STRASSE51A-1 |                  |
| Hessian Construction Ordinance | HEIDELBERGER STRASSE53-1  |                  |
| Hessian Construction Ordinance | HEINRICHSTRASSE63-1       | 03.06.1959       |
| Hessian Construction Ordinance | HEINRICHSTRASSE63-2       | 05.11.1959       |
| Hessian Construction Ordinance | HEINRICHSTRASSE65-1       |                  |
| Hessian Construction Ordinance | HEINRICHSTRASSE67-1       |                  |
| Hessian Construction Ordinance | HÖLGESSTRASSE24-1         | 23.08.1955       |
| Hessian Construction Ordinance | HÖLGESSTRASSE24-2         |                  |
| Hessian Construction Ordinance | HÖLGESSTRASSE26-1         |                  |
| Hessian Construction Ordinance | HÖLGESSTRASSE28-1         |                  |
| Federal Pollution Control Act  | IMMI-1                    |                  |
| Other provisions               | INF1-1                    | 30.09.2003       |
| Other provisions               | INF2-1                    | 29.12.2005       |
| Other provisions               | INF2-2                    | 30.01.2009       |
| Other provisions               | INF2-3                    | 25.08.2004       |
| Other provisions               | INF2-5                    | 13.02.2017       |
| Other provisions               | INFILT-1                  |                  |
| Hessian Construction Ordinance | J1-1                      | 28.10.1909       |
| Hessian Construction Ordinance | J1-2                      | 28.03.1967       |
| Hessian Construction Ordinance | J1-3                      | 29.09.1995       |
| Hessian Construction Ordinance | J1-4                      | 16.08.1999       |
| Hessian Construction Ordinance | J16-1                     | 30.10.2006       |
| Hessian Construction Ordinance | J19-1                     | 03.01.1975       |
| Hessian Construction Ordinance | J19-2                     | 03.01.1996       |
| Hessian Construction Ordinance | J20-1                     | 02.02.1937       |
| Hessian Construction Ordinance | J20-2                     | 21.02.1994       |
| Hessian Construction Ordinance | J21-1                     | 18.10.1901       |
| Hessian Construction Ordinance | J21-2                     | 17.04.1928       |
| Hessian Construction Ordinance | J21-3                     | 10.10.1946       |
| Hessian Construction Ordinance | J21-4                     | 10.04.1989       |
| Hessian Construction Ordinance | J21-5                     | 17.07.2014       |
| Hessian Construction Ordinance | J22-1                     | 29.09.1955       |
| Hessian Construction           | J24-1                     | 12.06.1991       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | J25-2A                    | 06.02.1991       |
| Hessian Construction Ordinance | J30/31-3                  |                  |
| Hessian Construction Ordinance | J3-1                      | 21.04.1908       |
| Hessian Construction Ordinance | J3-2                      | 29.09.1995       |
| Hessian Construction Ordinance | J32-1                     | 08.06.1998       |
| Hessian Construction Ordinance | J33-3                     | 03.02.1998       |
| Hessian Construction Ordinance | J33-4                     | 21.11.2001       |
| Hessian Construction Ordinance | J34-1                     | 01.12.1998       |
| Hessian Construction Ordinance | J37-1                     | 14.07.1988       |
| Hessian Construction Ordinance | J37-5                     | 18.07.2016       |
| Hessian Construction Ordinance | J38-1                     | 01.04.1902       |
| Hessian Construction Ordinance | J38-2                     | 18.12.1902       |
| Hessian Construction Ordinance | J38-3                     | 04.10.1946       |
| Hessian Construction Ordinance | J38-7                     | 29.06.2017       |
| Hessian Construction Ordinance | J42-1                     | 03.02.1998       |
| Hessian Construction Ordinance | J51-1                     | 24.03.1981       |
| Hessian Construction Ordinance | J51-1A                    | 14.07.1988       |
| Hessian Construction Ordinance | J6-3                      | 21.09.1979       |
| Hessian Construction Ordinance | J7-1                      | 09.12.1936       |
| Hessian Construction Ordinance | J8-1                      | 13.02.1995       |
| Hessian Construction Ordinance | J9-1                      | 20.09.1977       |
| Hessian Construction Ordinance | J9-2                      | 08.10.1998       |
| Hessian Construction Ordinance | K10-2                     | 06.01.1975       |
| Hessian Construction Ordinance | K10-5                     | 03.07.2008       |
| Hessian Construction Ordinance | K1-1                      | 26.09.1936       |
| Hessian Construction Ordinance | K11-1                     |                  |
| Hessian Construction Ordinance | K11-2                     | 07.03.2008       |
| Hessian Construction Ordinance | K12-16A                   |                  |
| Hessian Construction Ordinance | K13-6                     | 05.09.1986       |
| Hessian Construction Ordinance | K13-6A                    | 08.03.1979       |
| Hessian Construction Ordinance | K14-1                     |                  |
| Hessian Construction Ordinance | K15-6                     | 21.12.2000       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | K15-8                     | 29.02.2012       |
| Hessian Construction Ordinance | K15-9                     | 19.06.2013       |
| Hessian Construction Ordinance | K16-1                     | 04.05.1925       |
| Hessian Construction Ordinance | K16-2                     | 25.10.1955       |
| Hessian Construction Ordinance | K16-6                     | 02.06.1998       |
| Hessian Construction Ordinance | K16-7                     | 17.09.1998       |
| Hessian Construction Ordinance | K16-8                     | 04.06.1999       |
| Hessian Construction Ordinance | K16-9                     | 13.11.2012       |
| Hessian Construction Ordinance | K17-7                     | 12.03.2012       |
| Hessian Construction Ordinance | K17-8                     | 19.06.2013       |
| Hessian Construction Ordinance | K18-10                    | 10.06.2002       |
| Hessian Construction Ordinance | K18-3                     | 20.10.1942       |
| Hessian Construction Ordinance | K18-4                     | 31.10.1942       |
| Hessian Construction Ordinance | K18-9                     | 06.05.1983       |
| Hessian Construction Ordinance | K19-1                     |                  |
| Hessian Construction Ordinance | K19-2                     | 06.05.1983       |
| Hessian Construction Ordinance | K19-3                     | 21.11.2001       |
| Hessian Construction Ordinance | K21-2                     | 08.03.1979       |
| Hessian Construction Ordinance | K22-2                     | 11.08.2008       |
| Hessian Construction Ordinance | K24-1                     | 05.08.1994       |
| Hessian Construction Ordinance | K30-2                     | 22.11.2007       |
| Hessian Construction Ordinance | K31-1                     | 20.05.2016       |
| Hessian Construction Ordinance | K40-10                    | 25.06.2010       |
| Federal Pollution Control Act  | K40-11                    | 01.12.2014       |
| Hessian Construction Ordinance | K40-1A                    | 29.04.1976       |
| Federal Pollution Control Act  | K40-2                     | 07.12.1976       |
| Hessian Construction Ordinance | K40-2A                    | 07.12.1976       |
| Hessian Construction Ordinance | K40-4A                    | 14.04.1982       |
| Hessian Construction Ordinance | K40-5                     | 05.09.1988       |
| Federal Pollution Control Act  | K40-6                     | 07.01.1994       |
| Federal Pollution Control Act  | K40-7                     | 25.06.2001       |
| Federal Pollution Control Act  | K40-7A                    | 23.11.1999       |
| Water legislation              | K40-8                     | 02.07.1997       |

| Field of law                                     | Internal reference number | Date of approval                 |
|--------------------------------------------------|---------------------------|----------------------------------|
| Water legislation                                | K40-9                     | 09.12.2002                       |
| Federal Pollution Control Act                    | K40-A1                    | 22.12.1997                       |
| Federal Pollution Control Act                    | K40-A2                    | 26.06.2000                       |
| Federal Pollution Control Act                    | K40-A3                    | 30.01.2003                       |
| Federal Pollution Control Act                    | K40-A4                    | 25.08.2006                       |
| Federal Pollution Control Act                    | K40-A5                    | 04.09.2008                       |
| Federal Pollution Control Act                    | K40-V1                    | 31.12.2005                       |
| Hessian Construction Ordinance                   | K4-1                      | 04.10.1901                       |
| Hessian Construction Ordinance                   | K50-1                     | 01.10.2013                       |
| Hessian Construction Ordinance                   | K6-1                      | 03.10.1932                       |
| Hessian Construction Ordinance                   | K7-1                      | 27.07.1937                       |
| Hessian Construction Ordinance                   | K7-2                      | 15.11.1993                       |
| Hessian Construction Ordinance                   | K9-5                      | 12.09.2007                       |
| Water legislation                                | KANÄLE-1                  | 04.02.1901                       |
| Water legislation;Hessian Construction Ordinance | KANÄLE-10                 | 14.10.1977                       |
| Water legislation                                | KANÄLE-11                 | 12.10.1977                       |
| Water legislation                                | KANÄLE-15                 | 17.09.1990                       |
| Water legislation                                | KANÄLE-16                 | 09.03.1989                       |
| Water legislation                                | KANÄLE-17                 | 08.07.1991                       |
| Water legislation                                | KANÄLE-18                 | 04.12.2001                       |
| Water legislation                                | KANÄLE-19                 | 02.12.2003;14.01.2005;16.03.2015 |
| Water legislation                                | KANÄLE-2                  | 29.11.1937                       |
| Water legislation                                | KANÄLE-3                  | 06.04.1938                       |
| Water legislation                                | KANÄLE-4                  | 06.04.1938                       |
| Water legislation                                | KANÄLE-5                  | 27.05.1938                       |
| Water legislation                                | KANÄLE-6                  | 22.01.1960                       |
| Water legislation;Hessian Construction Ordinance | KANÄLE-9                  | 24.01.1978                       |
| Hessian Construction Ordinance                   | KARLSTRAßE 56-1           |                                  |
| Hessian Construction Ordinance                   | KARLSTRAßE 56-2           | 11.12.1959                       |
| Hessian Construction Ordinance                   | KARLSTRAßE 56-3           | 01.12.1960                       |
| Hessian Construction Ordinance                   | KARLSTRAßE 56-4           | 16.11.1970                       |
| Hessian Construction Ordinance                   | KARLSTRAßE 58-1           |                                  |
| Hessian Construction Ordinance                   | KARLSTRAßE 60-1           |                                  |
| Hessian Construction Ordinance                   | KARLSTRAßE 60-2           | 26.01.1960                       |
| Hessian Construction Ordinance                   | KLEISTSTR.3 1-2           | 02.03.2010                       |
| Hessian Construction Ordinance                   | KLEISTSTRA SSE25-1        | 17.10.1963                       |
| Hessian Construction                             | KLEISTSTRA                | 05.04.1965                       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      | SSE25-2                   |                  |
| Hessian Construction Ordinance | KLEISTSTRA SSE25-3        | 23.07.1973       |
| Hessian Construction Ordinance | KLEISTSTRA SSE25-4        | 28.02.1974       |
| Hessian Construction Ordinance | KLEISTSTRA SSE27-1        |                  |
| Hessian Construction Ordinance | KLEISTSTRA SSE29-1        |                  |
| Hessian Construction Ordinance | KLEISTSTRA SSE31-1        | 21.11.1963       |
| Hessian Construction Ordinance | KLEISTSTRA SSE31-1A       | 30.03.1965       |
| Other provisions               | KOWE-1                    | 28.05.2010       |
| Hessian Construction Ordinance | L12-2                     | 07.08.1981       |
| Hessian Construction Ordinance | L17-1                     | 26.06.2012       |
| Hessian Construction Ordinance | L17-4                     | 21.03.2016       |
| Hessian Construction Ordinance | L18-2                     | 08.01.2003       |
| Hessian Construction Ordinance | L18-3                     | 02.10.2006       |
| Hessian Construction Ordinance | L18-4                     | 26.07.2011       |
| Hessian Construction Ordinance | L18-5                     | 30.06.2017       |
| Hessian Construction Ordinance | L19-2                     | 19.06.2007       |
| Hessian Construction Ordinance | L24-2                     | 05.08.1981       |
| Hessian Construction Ordinance | L24-3                     | 16.11.1999       |
| Hessian Construction Ordinance | L30-21                    | 22.11.2007       |
| Hessian Construction Ordinance | L34-1                     | 05.08.1903       |
| Hessian Construction Ordinance | L34-2                     | 11.09.1950       |
| Hessian Construction Ordinance | L34-3                     | 03.07.1986       |
| Hessian Construction Ordinance | LANSKRONS TRAßE71-1       | 01.03.1955       |
| Hessian Construction Ordinance | LANSKRONS TRAßE71-2       | 21.02.1956       |
| Hessian Construction Ordinance | LIEBFRAUEN STRAßE9-1      |                  |
| Hessian Construction Ordinance | LINDENSTRA SSE37-1        | 27.10.1965       |
| Hessian Construction Ordinance | LINDENSTRA SSE37-2        | 14.05.1973       |
| Hessian Construction Ordinance | LINDENSTRA SSE39-1        |                  |
| Hessian Construction Ordinance | LUISEN-1                  | 12.01.1954       |
| Other provisions               | LUISEN-10                 | 02.12.2011       |
| Hessian Construction Ordinance | LUISEN-11                 | 13.07.2017       |
| Hessian Construction Ordinance | LUISEN-12                 |                  |
| Hessian Construction Ordinance | LUISEN-2                  | 24.01.1955       |
| Hessian Construction           | LUISEN-3                  | 25.04.1958       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                                                     | Internal reference number | Date of approval |
|------------------------------------------------------------------|---------------------------|------------------|
| Ordinance                                                        |                           |                  |
| Hessian Construction Ordinance                                   | LUISEN-3A                 | 02.02.1984       |
| Hessian Construction Ordinance                                   | LUISEN-3B                 | 04.05.1984       |
| Hessian Construction Ordinance                                   | LUISEN-3C                 | 23.05.1984       |
| Hessian Construction Ordinance                                   | LUISEN-4                  | 18.04.2000       |
| Hessian Construction Ordinance                                   | LUISEN-5                  | 23.11.2000       |
| Hessian Construction Ordinance                                   | LUISEN-6                  | 18.09.2000       |
| Hessian Construction Ordinance                                   | LUISEN-7                  | 03.05.2001       |
| Hessian Construction Ordinance                                   | LUISEN-8                  | 27.11.2001       |
| Hessian Construction Ordinance                                   | LUISEN-9                  | 27.02.2012       |
| Hessian Construction Ordinance                                   | M10-2                     | 25.11.1992       |
| Hessian Construction Ordinance                                   | M11-1                     | 15.04.1981       |
| Hessian Construction Ordinance                                   | M11-2                     | 28.07.2015       |
| Water legislation                                                | M12/14-1                  | 01.10.1938       |
| Hessian Construction Ordinance                                   | M12/14-2                  | 31.10.1938       |
| Hessian Construction Ordinance                                   | M12/14-3                  | 31.10.1938       |
| Hessian Construction Ordinance                                   | M12/14-4                  | 25.09.1979       |
| Hessian Construction Ordinance                                   | M12/14-5                  | 07.03.1939       |
| Regulation inflammable materials                                 | M12/14-6A                 | 31.03.1953       |
| Hessian Construction Ordinance                                   | M12/14-7                  | 24.03.1981       |
| Hessian Construction Ordinance                                   | M17-1                     | 04.02.1998       |
| Hessian Construction Ordinance                                   | M18-1                     | 13.03.1984       |
| Hessian Construction Ordinance                                   | M18-3                     | 15.01.1987       |
| Hessian Construction Ordinance                                   | M18-5                     | 19.02.1993       |
| Hessian Construction Ordinance                                   | M18-7                     | 07.12.2011       |
| Hessian Construction Ordinance                                   | M18-8                     | 16.06.2014       |
| Hessian Construction Ordinance                                   | M20-2                     | 27.01.2010       |
| Hessian Construction Ordinance; Regulation inflammable materials | M21-1                     | 12.06.1980       |
| Hessian Construction Ordinance                                   | M21-2                     | 04.02.1987       |
| Hessian Construction Ordinance                                   | M21-2B                    | 20.04.1988       |
| Hessian Construction Ordinance                                   | M21-4                     | 03.08.1989       |
| Hessian Construction Ordinance                                   | M21-5                     | 21.04.2005       |
| Hessian Construction Ordinance                                   | M22-1                     | 08.03.1958       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | M22-2                     | 22.09.1981       |
| Hessian Construction Ordinance | M22-3                     | 09.05.1984       |
| Hessian Construction Ordinance | M22-5                     | 23.11.2001       |
| Hessian Construction Ordinance | M22-6                     | 17.01.2003       |
| Hessian Construction Ordinance | M22-7                     | 21.04.2005       |
| Hessian Construction Ordinance | M22-9                     | 07.11.2007       |
| Hessian Construction Ordinance | M23-2                     | 25.11.1992       |
| Hessian Construction Ordinance | M32-10                    | 21.04.2005       |
| Hessian Construction Ordinance | M32-2                     | 21.02.1975       |
| Hessian Construction Ordinance | M32-5                     | 14.08.1985       |
| Hessian Construction Ordinance | M3-3                      | 13.12.2001       |
| Hessian Construction Ordinance | M33-1                     | 24.02.1976       |
| Hessian Construction Ordinance | M33-2                     | 11.11.1991       |
| Hessian Construction Ordinance | M34-1                     | 20.02.1987       |
| Hessian Construction Ordinance | M34-3                     |                  |
| Hessian Construction Ordinance | M35/36-1                  | 26.02.2002       |
| Hessian Construction Ordinance | M37-1                     | 29.08.2006       |
| Hessian Construction Ordinance | M4-1                      |                  |
| Hessian Construction Ordinance | M5-1                      | 05.05.1923       |
| Hessian Construction Ordinance | M5-2                      | 07.11.1950       |
| Hessian Construction Ordinance | M5-3                      | 28.07.2015       |
| Hessian Construction Ordinance | M6-1                      | 08.11.1977       |
| Hessian Construction Ordinance | M6-2                      | 29.06.1993       |
| Hessian Construction Ordinance | M6-5                      | 06.12.2005       |
| Hessian Construction Ordinance | M8-1                      | 10.11.2000       |
| Hessian Construction Ordinance | MARTINSTR ASSE13-1        | 12.08.1960       |
| Hessian Construction Ordinance | MARTINSTR ASSE13-2        | 16.01.1961       |
| Hessian Construction Ordinance | MARTINSTR ASSE15-1        | 25.06.1957       |
| Hessian Construction Ordinance | MARTINSTR ASSE15-2        | 01.10.1957       |
| Hessian Construction Ordinance | MARTINSTR ASSE15-3        | 10.10.1957       |
| Hessian Construction Ordinance | MARTINSTR ASSE15-4        | 24.02.1961       |
| Hessian Construction Ordinance | MARTINSTR ASSE19-1        |                  |
| Hessian Construction           | MARTINSTR                 |                  |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      | ASSE21-1                  |                  |
| Other provisions               | MERCK-1                   | 17.11.1886       |
| Other provisions               | MERCK-2                   | 23.05.1901       |
| Federal Pollution Control Act  | N100-4                    | 07.05.2002       |
| Hessian Construction Ordinance | N1-2                      | 30.04.1993       |
| Hessian Construction Ordinance | N1-3                      | 09.05.1994       |
| Hessian Construction Ordinance | N13-2                     | 04.09.2009       |
| Hessian Construction Ordinance | N1-5                      | 09.08.2011       |
| Hessian Construction Ordinance | N19-1                     | 03.09.2012       |
| Hessian Construction Ordinance | N20-23                    | 14.03.2007       |
| Hessian Construction Ordinance | N24/25-1                  | 18.08.2006       |
| Hessian Construction Ordinance | N24/25-6                  | 29.09.2014       |
| Hessian Construction Ordinance | N27-1                     | 28.05.1965       |
| Hessian Construction Ordinance | N27-2                     | 27.07.1989       |
| Hessian Construction Ordinance | N27-5                     | 03.05.2017       |
| Hessian Construction Ordinance | N28-1A                    | 19.07.1968       |
| Hessian Construction Ordinance | N28-5                     | 09.12.2016       |
| Hessian Construction Ordinance | N50-1                     | 08.08.2005       |
| Hessian Construction Ordinance | N68-1                     | 21.06.1975       |
| Hessian Construction Ordinance | N68-2                     | 09.12.1981       |
| Hessian Construction Ordinance | N68-4                     |                  |
| Hessian Construction Ordinance | N70-1                     | 12.05.1972       |
| Hessian Construction Ordinance | N70-12                    |                  |
| Hessian Construction Ordinance | N70-13                    | 15.03.2012       |
| Hessian Construction Ordinance | N70-16                    | 02.03.2017       |
| Hessian Construction Ordinance | N70-2                     | 12.12.1990       |
| Hessian Construction Ordinance | N70-2A                    | 17.10.1994       |
| Hessian Construction Ordinance | N70-8                     | 23.11.2000       |
| Hessian Construction Ordinance | N72-1                     | 12.10.2017       |
| Hessian Construction Ordinance | N75-1                     | 04.06.2008       |
| Hessian Construction Ordinance | N76-2                     | 09.12.1981       |
| Hessian Construction Ordinance | N76-3                     |                  |
| Hessian Construction Ordinance | N77-4                     | 31.08.2001       |
| Hessian Construction           | N78/79-5                  | 14.08.2014       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | N78-1                     | 11.07.1963       |
| Hessian Construction Ordinance | N79-1                     | 06.12.1966       |
| Hessian Construction Ordinance | N79-2                     | 12.01.1995       |
| Hessian Construction Ordinance | N79-3                     |                  |
| Hessian Construction Ordinance | N80-1                     | 09.12.1981       |
| Hessian Construction Ordinance | N80-2                     |                  |
| Hessian Construction Ordinance | N81-1                     | 09.03.1971       |
| Hessian Construction Ordinance | N81-2                     | 21.01.1981       |
| Hessian Construction Ordinance | N81-3                     | 30.06.1986       |
| Water legislation              | N81-4                     | 16.08.1999       |
| Hessian Construction Ordinance | N81-5                     | 15.09.1999       |
| Water legislation              | N81-6                     | 12.12.2001       |
| Hessian Construction Ordinance | N81-7                     | 27.04.2000       |
| Hessian Construction Ordinance | N81-8                     | 13.11.2008       |
| Water legislation              | N81-9                     | 08.12.2016       |
| Hessian Construction Ordinance | N82-1                     | 01.01.1976       |
| Hessian Construction Ordinance | N82-2                     | 26.07.1989       |
| Hessian Construction Ordinance | N83-1                     | 17.06.2014       |
| Water legislation              | N83-2                     | 10.04.2014       |
| Federal Pollution Control Act  | NEA-1                     | 23.10.1997       |
| Other provisions               | NOTI-ALLG1                |                  |
| Other provisions               | NOTI-ALLG2                | 22.10.2015       |
| Waste Act                      | NOTINL-10                 | 28.07.2016       |
| Waste Act                      | NOTINL-11                 | 11.07.2017       |
| Other provisions; Waste Act    | NOTINL-12                 | 11.07.2017       |
| Other provisions               | NOTINL-7                  | 28.07.2015       |
| Other provisions               | NOTINL-8                  | 28.07.2015       |
| Waste Act                      | NOTINL-9                  | 12.08.2016       |
| Hessian Construction Ordinance | O11-7                     |                  |
| Hessian Construction Ordinance | O17-2                     | 13.10.2015       |
| Hessian Construction Ordinance | O18-1                     | 25.06.1904       |
| Hessian Construction Ordinance | O19-3                     | 22.03.2013       |
| Hessian Construction Ordinance | O19-4                     | 29.07.2015       |
| Hessian Construction Ordinance | O20-1                     | 25.04.1967       |
| Hessian Construction Ordinance | O20-2                     | 18.07.1969       |
| Hessian Construction Ordinance | O20-6                     | 19.09.1986       |
| Hessian Construction           | O20-7                     | 26.09.2016       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | O21-1                     | 07.01.1969       |
| Hessian Construction Ordinance | O21-10                    | 07.09.2015       |
| Hessian Construction Ordinance | O21-11                    | 27.02.2017       |
| Hessian Construction Ordinance | O21-2                     | 03.01.1975       |
| Hessian Construction Ordinance | O21-3                     | 27.08.1976       |
| Hessian Construction Ordinance | O21-7                     | 20.11.2003       |
| Hessian Construction Ordinance | O21-8                     | 08.08.2014       |
| Hessian Construction Ordinance | O22-1                     | 24.03.1981       |
| Hessian Construction Ordinance | O24-1                     | 25.01.2017       |
| Hessian Construction Ordinance | O25-1                     | 14.03.2017       |
| Hessian Construction Ordinance | O34-1                     | 06.01.2011       |
| Hessian Construction Ordinance | O36-2                     | 18.09.2007       |
| Hessian Construction Ordinance | O36-3                     |                  |
| Hessian Construction Ordinance | O37-4                     | 08.10.2007       |
| Water legislation              | O57-1                     | 27.09.1938       |
| Hessian Construction Ordinance | O57-2                     | 31.10.1938       |
| Hessian Construction Ordinance | O57-3                     | 17.12.1942       |
| Hessian Construction Ordinance | O57-4                     | 29.09.2017       |
| Hessian Construction Ordinance | OGH-1                     |                  |
| Other provisions               | OMNIBUS-1                 | 01.02.2003       |
| Hessian Construction Ordinance | OTTO-HESSE-STR.6B-1       | 17.08.2001       |
| Hessian Construction Ordinance | P18-2                     | 18.01.2006       |
| Hessian Construction Ordinance | P19/31-8                  | 18.01.2006       |
| Hessian Construction Ordinance | P20-2                     | 18.01.2006       |
| Hessian Construction Ordinance | P21-1                     | 06.10.1910       |
| Hessian Construction Ordinance | P21-2                     | 24.03.1981       |
| Hessian Construction Ordinance | P21-3                     | 18.12.1989       |
| Hessian Construction Ordinance | P23-1                     | 29.09.2006       |
| Hessian Construction Ordinance | P23-3                     | 17.05.2010       |
| Hessian Construction Ordinance | P23-4                     | 14.08.2014       |
| Hessian Construction Ordinance | P27-1                     | 21.07.2016       |
| Hessian Construction Ordinance | P31-4                     | 18.01.2006       |
| Hessian Construction           | P3-7                      | 25.01.1983       |

| Field of law                   | Internal reference number | Date of approval       |
|--------------------------------|---------------------------|------------------------|
| Ordinance                      |                           |                        |
| Hessian Construction Ordinance | P37-2                     |                        |
| Hessian Construction Ordinance | P38-3                     | 19.12.1991             |
| Hessian Construction Ordinance | P39-2                     | 18.01.2006             |
| Hessian Construction Ordinance | P4-1                      | 24.03.1981             |
| Hessian Construction Ordinance | P4-2                      | 04.02.2014             |
| Hessian Construction Ordinance | P5-10                     | 21.12.2000             |
| Hessian Construction Ordinance | P5-1A                     | 03.10.1983             |
| Hessian Construction Ordinance | P7-3                      | 25.01.1983             |
| Hessian Construction Ordinance | P9-1                      | 18.06.1904             |
| Hessian Construction Ordinance | P9-2                      | 12.11.1951             |
| Hessian Construction Ordinance | PARKNO-1                  | 03.09.2003             |
| Hessian Construction Ordinance | PARKNO-2                  | 18.03.2005             |
| Water legislation              | PARKNO-3                  |                        |
| Water legislation              | PARKNO-4                  |                        |
| Hessian Construction Ordinance | PARKNO-5                  | 14.08.2014             |
| Water legislation              | PARKNO-6                  | 19.03.2015             |
| Water legislation              | PARKP-1                   | 11.12.1974             |
| Water legislation              | PARKP-10                  | 23.11.2006; 17.10.2016 |
| Other provisions               | PARKP-11                  | 13.01.1992             |
| Hessian Construction Ordinance | PARKP-14                  | 10.02.2014             |
| Hessian Construction Ordinance | PARKP-15                  | 16.04.2014             |
| Water legislation              | PARKP-16                  | 16.02.2015             |
| Water legislation              | PARKP-17                  | 26.02.2015             |
| Water legislation              | PARKP-2                   | 29.12.1975             |
| Hessian Construction Ordinance | PARKP-3                   | 16.09.1976             |
| Hessian Construction Ordinance | PARKP-5                   | 07.02.1979             |
| Hessian Construction Ordinance | PARKP-7                   | 12.03.1985             |
| Hessian Construction Ordinance | PARKP-9                   | 03.09.1987             |
| Other provisions               | PARKP-ALLGEMEIN(1)        | 27.08.1976             |
| Hessian Construction Ordinance | PARKW-1                   | 23.09.2016             |
| Water legislation              | PARKW-2                   | 15.10.2015             |
| Other provisions               | PFL-1                     | 18.07.1990             |
| Water legislation              | PH10-1                    | 26.04.1938             |
| Hessian Construction Ordinance | PH10-2                    | 06.02.1939             |
| Hessian Construction Ordinance | PH10-3                    | 06.02.1939             |
| Hessian Construction Ordinance | PH10-4                    | 27.07.1942             |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                          | Internal reference number | Date of approval |
|---------------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance        | PH10-5                    |                  |
| Hessian Construction Ordinance        | PH111-1                   | 21.12.2005       |
| Hessian Construction Ordinance        | PH11-2                    |                  |
| Hessian Construction Ordinance        | PH1-5                     | 11.05.2004       |
| Hessian Construction Ordinance        | PH15-2                    | 24.03.1981       |
| Hessian Construction Ordinance        | PH16-1                    | 27.01.1965       |
| Hessian Construction Ordinance        | PH16-3                    | 12.10.2005       |
| Hessian Construction Ordinance        | PH20-4                    | 04.07.2006       |
| Hessian Construction Ordinance        | PH2-2                     |                  |
| Hessian Construction Ordinance        | PH22-1                    | 06.03.2013       |
| Hessian Construction Ordinance        | PH23/24-1                 | 30.01.1989       |
| Hessian Construction Ordinance        | PH23/24-2                 | 17.08.2006       |
| Hessian Construction Ordinance        | PH23/24-3                 | 02.08.2007       |
| Hessian Construction Ordinance        | PH23/24-4                 |                  |
| Hessian Construction Ordinance        | PH24-1                    |                  |
| Hessian Construction Ordinance        | PH24-2                    | 03.11.2011       |
| Hessian Construction Ordinance        | PH25-2                    | 09.02.1939       |
| Trade Regulation Act (Gewerbeordnung) | PH25-3                    | 09.02.1939       |
| Hessian Construction Ordinance        | PH25-4                    | 04.10.1961       |
| Hessian Construction Ordinance        | PH25-5                    | 13.03.2017       |
| Hessian Construction Ordinance        | PH26/27-1                 | 03.03.1969       |
| Hessian Construction Ordinance        | PH26/27-2                 | 24.03.1981       |
| Hessian Construction Ordinance        | PH26-3                    | 27.09.1988       |
| Hessian Construction Ordinance        | PH26-5                    | 03.01.2002       |
| Hessian Construction Ordinance        | PH26-6                    | 24.03.2014       |
| Hessian Construction Ordinance        | PH28-1                    | 06.06.1969       |
| Hessian Construction Ordinance        | PH28-2                    | 08.03.2006       |
| Hessian Construction Ordinance        | PH30-5                    | 10.10.1996       |
| Hessian Construction Ordinance        | PH31-1                    | 04.08.2000       |
| Hessian Construction Ordinance        | PH31-2                    | 12.03.2001       |
| Hessian Construction Ordinance        | PH33-1                    | 10.08.2006       |
| Federal Pollution Control Act         | PH34-1                    | 28.10.2013       |
| Federal Pollution                     | PH34-2                    | 06.07.2016       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Control Act                    |                           |                  |
| Hessian Construction Ordinance | PH35-1                    | 02.04.2013       |
| Hessian Construction Ordinance | PH36-3                    | 10.02.1939       |
| Hessian Construction Ordinance | PH36-8                    | 01.11.2002       |
| Hessian Construction Ordinance | PH36-9                    | 04.07.2006       |
| Hessian Construction Ordinance | PH38-1                    | 15.09.1992       |
| Hessian Construction Ordinance | PH39-1                    | 14.09.1990       |
| Hessian Construction Ordinance | PH40-4                    | 12.05.1993       |
| Hessian Construction Ordinance | PH45-1                    | 08.07.1988       |
| Hessian Construction Ordinance | PH46-3                    | 10.06.2003       |
| Hessian Construction Ordinance | PH50-1                    | 28.04.1959       |
| Hessian Construction Ordinance | PH50-2                    | 11.01.1965       |
| Hessian Construction Ordinance | PH50-3                    | 06.01.1975       |
| Hessian Construction Ordinance | PH50-4                    | 22.10.1975       |
| Hessian Construction Ordinance | PH50-5                    | 29.01.1979       |
| Hessian Construction Ordinance | PH50-7                    | 17.03.2003       |
| Hessian Construction Ordinance | PH50-8                    | 16.07.2003       |
| Hessian Construction Ordinance | PH50-9                    | 11.01.2011       |
| Hessian Construction Ordinance | PH5-1                     | 07.02.1939       |
| Hessian Construction Ordinance | PH51-1                    | 15.10.1959       |
| Hessian Construction Ordinance | PH51-2                    | 02.01.1973       |
| Hessian Construction Ordinance | PH51-4                    | 30.04.2012       |
| Hessian Construction Ordinance | PH51-5                    | 23.07.2013       |
| Hessian Construction Ordinance | PH51-6                    | 17.06.2016       |
| Hessian Construction Ordinance | PH5-2                     | 07.02.1939       |
| Hessian Construction Ordinance | PH52-1                    | 24.04.1992       |
| Hessian Construction Ordinance | PH52-2                    | 07.04.2015       |
| Hessian Construction Ordinance | PH52-3                    | 17.06.2016       |
| Hessian Construction Ordinance | PH5-3                     | 24.03.1981       |
| Hessian Construction Ordinance | PH5-4                     | 27.11.1991       |
| Hessian Construction Ordinance | PH54-1                    | 24.03.1981       |
| Hessian Construction Ordinance | PH56-1                    | 24.03.1981       |
| Hessian Construction Ordinance | PH56-2                    | 26.06.1984       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | PH57-1                    | 01.07.2014       |
| Hessian Construction Ordinance | PH59-1                    | 24.03.1981       |
| Hessian Construction Ordinance | PH60/61-1                 | 06.05.1998       |
| Hessian Construction Ordinance | PH75/76-2                 | 06.07.2000       |
| Hessian Construction Ordinance | PH77-2                    | 02.09.1997       |
| Hessian Construction Ordinance | PH80-1                    | 10.06.1997       |
| Hessian Construction Ordinance | PH80-10                   | 15.08.2013       |
| Hessian Construction Ordinance | PH80-11                   | 12.11.2013       |
| Hessian Construction Ordinance | PH80-12                   | 30.03.2017       |
| Hessian Construction Ordinance | PH80-13                   | 18.08.2016       |
| Hessian Construction Ordinance | PH80-2                    | 12.03.1998       |
| Hessian Construction Ordinance | PH80-5                    | 20.12.2001       |
| Hessian Construction Ordinance | PH80-6                    | 06.08.2002       |
| Hessian Construction Ordinance | PH80-8                    | 24.08.2007       |
| Hessian Construction Ordinance | PH80-9                    | 18.10.2012       |
| Hessian Construction Ordinance | PH81-1                    | 23.07.2015       |
| Hessian Construction Ordinance | PH85-1                    | 11.08.2016       |
| Hessian Construction Ordinance | PH86-4                    | 26.05.2004       |
| Hessian Construction Ordinance | PH87-1                    | 07.11.1997       |
| Hessian Construction Ordinance | PH87-2                    | 31.10.2000       |
| Hessian Construction Ordinance | PH87-3                    | 14.12.2015       |
| Hessian Construction Ordinance | PH88-1                    | 09.08.1988       |
| Hessian Construction Ordinance | PH89-1                    | 15.09.1992       |
| Hessian Construction Ordinance | PH90-2                    | 27.02.2006       |
| Hessian Construction Ordinance | PH93-1                    | 21.12.2005       |
| Hessian Construction Ordinance | PH94-1                    | 17.11.2006       |
| Hessian Construction Ordinance | PH95-1                    | 28.11.2007       |
| Hessian Construction Ordinance | PH99-1                    | 14.09.1990       |
| Other provisions               | PLANF-1                   | 13.03.2002       |
| Other provisions               | PLANF-2                   | 10.02.2017       |
| Hessian Construction Ordinance | PLATZ-1                   | 06.02.2015       |
| Hessian Construction Ordinance | PLATZ-2                   | 02.05.2016       |
| Hessian Construction Ordinance | PLATZ-3                   | 02.05.2016       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | PLATZ-4                   | 19.09.2016       |
| Hessian Construction Ordinance | Q10-2                     | 06.06.1986       |
| Hessian Construction Ordinance | Q1-2                      | 08.12.1948       |
| Hessian Construction Ordinance | Q12-1                     | 27.11.1957       |
| Hessian Construction Ordinance | Q12-3                     | 28.01.2010       |
| Hessian Construction Ordinance | Q1-3                      | 12.11.1951       |
| Hessian Construction Ordinance | Q13-1                     | 19.11.1996       |
| Hessian Construction Ordinance | Q1-4                      | 11.02.1998       |
| Hessian Construction Ordinance | Q14-2                     | 25.01.1983       |
| Hessian Construction Ordinance | Q15-1                     | 30.01.1920       |
| Hessian Construction Ordinance | Q15-2                     | 09.12.1941       |
| Hessian Construction Ordinance | Q15-3                     | 05.02.1942       |
| Hessian Construction Ordinance | Q15-4                     | 22.09.1976       |
| Hessian Construction Ordinance | Q15-7                     | 28.01.2010       |
| Hessian Construction Ordinance | Q16-2                     | 06.07.2004       |
| Hessian Construction Ordinance | Q18-3                     | 26.04.1999       |
| Hessian Construction Ordinance | Q19-2                     | 10.08.1948       |
| Hessian Construction Ordinance | Q19-3                     | 17.09.1987       |
| Hessian Construction Ordinance | Q19-5                     | 19.12.1994       |
| Hessian Construction Ordinance | Q20-1                     | 28.05.1996       |
| Hessian Construction Ordinance | Q20-1B                    | 06.08.1979       |
| Hessian Construction Ordinance | Q20-2                     | 17.03.1999       |
| Hessian Construction Ordinance | Q21-1A                    | 25.01.1983       |
| Hessian Construction Ordinance | Q21-2                     | 02.06.1998       |
| Hessian Construction Ordinance | Q2-2                      | 22.06.2004       |
| Hessian Construction Ordinance | Q23/24-1                  | 13.04.1989       |
| Hessian Construction Ordinance | Q23-2                     | 04.09.2002       |
| Hessian Construction Ordinance | Q24-1                     | 13.04.1989       |
| Hessian Construction Ordinance | Q24-4                     | 13.02.2002       |
| Hessian Construction Ordinance | Q25-1                     | 24.03.1981       |
| Hessian Construction Ordinance | Q26-1                     | 24.03.1981       |
| Hessian Construction Ordinance | Q27/29-1                  | 06.06.1969       |
| Hessian Construction Ordinance | Q27-2                     | 25.03.1983       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | Q27-4                     | 06.06.1986       |
| Hessian Construction Ordinance | Q27-5                     | 07.08.1990       |
| Hessian Construction Ordinance | Q27-8                     | 07.03.2008       |
| Hessian Construction Ordinance | Q29-3                     | 05.06.1985       |
| Hessian Construction Ordinance | Q30-2                     | 06.06.1986       |
| Hessian Construction Ordinance | Q3-1                      | 08.03.1927       |
| Hessian Construction Ordinance | Q31-1                     | 24.03.1981       |
| Hessian Construction Ordinance | Q3-2                      | 09.12.1948       |
| Hessian Construction Ordinance | Q32-1                     | 21.07.1986       |
| Hessian Construction Ordinance | Q32-5                     | 30.04.2013       |
| Hessian Construction Ordinance | Q3-3                      | 20.01.1965       |
| Hessian Construction Ordinance | Q33-1                     | 11.02.1993       |
| Hessian Construction Ordinance | Q3-4                      | 16.11.2011       |
| Hessian Construction Ordinance | Q37-1                     | 04.11.2008       |
| Hessian Construction Ordinance | Q4-1                      | 12.10.2004       |
| Hessian Construction Ordinance | Q4-2                      | 06.10.2005       |
| Hessian Construction Ordinance | Q60-1                     | 10.10.1991       |
| Hessian Construction Ordinance | Q60-2                     | 31.07.2002       |
| Hessian Construction Ordinance | Q61-1                     | 10.11.2010       |
| Hessian Construction Ordinance | Q62-1                     | 07.09.2010       |
| Hessian Construction Ordinance | Q63-1                     | 07.09.2010       |
| Hessian Construction Ordinance | Q64-1                     | 07.09.2010       |
| Hessian Construction Ordinance | Q7-1                      | 18.07.1902       |
| Hessian Construction Ordinance | Q7-2                      | 25.01.1983       |
| Hessian Construction Ordinance | Q8-3                      | 25.01.1983       |
| Hessian Construction Ordinance | Q9-2                      | 25.01.1983       |
| Hessian Construction Ordinance | R100-1                    | 06.07.2000       |
| Hessian Construction Ordinance | R100-2                    | 07.03.2001       |
| Hessian Construction Ordinance | R100-3                    |                  |
| Hessian Construction Ordinance | R101/102-1                | 06.07.2000       |
| Hessian Construction Ordinance | R10-2                     | 04.11.1981       |
| Hessian Construction Ordinance | R103-1                    | 27.06.1997       |

| Field of law                   | Internal reference number | Date of approval      |
|--------------------------------|---------------------------|-----------------------|
| Hessian Construction Ordinance | R104-1                    | 26.06.1997            |
| Hessian Construction Ordinance | R105-1                    |                       |
| Hessian Construction Ordinance | R105-2                    | 06.11.1997            |
| Hessian Construction Ordinance | R106-2                    | 03.09.1997            |
| Hessian Construction Ordinance | R107-2                    | 17.07.1997            |
| Hessian Construction Ordinance | R108-2                    | 25.11.2016            |
| Hessian Construction Ordinance | R11-1                     | 02.03.2010            |
| Hessian Construction Ordinance | R11-2                     | 01.07.2014            |
| Hessian Construction Ordinance | R13-1                     | 24.03.1981            |
| Hessian Construction Ordinance | R13-2                     | 16.06.1997            |
| Hessian Construction Ordinance | R14-1                     | 29.01.2013            |
| Water legislation              | R14-2                     | 16.07.2013            |
| Hessian Construction Ordinance | R16-2                     | 06.03.2008            |
| Hessian Construction Ordinance | R17-1                     | 30.01.2015            |
| Hessian Construction Ordinance | R18-1                     | 19.10.2006            |
| Hessian Construction Ordinance | R19-2                     | 07.06.1995            |
| Hessian Construction Ordinance | R20-3                     | 06.03.2008            |
| Hessian Construction Ordinance | R2-1                      | 31.10.1938            |
| Hessian Construction Ordinance | R21-2                     | 17.10.1994            |
| Hessian Construction Ordinance | R21-3                     | 20.02.1998            |
| Hessian Construction Ordinance | R2-1A                     | 03.09.1938            |
| Hessian Construction Ordinance | R2-1B                     | 27.09.1938            |
| Trade Regulation Act           | R2-1C                     | 29.11.1938            |
| Hessian Construction Ordinance | R2-1D                     | 18.12.1942            |
| Hessian Construction Ordinance | R22-1                     | 19.01.1978;14.09.2011 |
| Hessian Construction Ordinance | R22-2                     | 01.10.2013            |
| Hessian Construction Ordinance | R23-1                     | 01.12.1994            |
| Hessian Construction Ordinance | R23-1A                    | 26.06.1995            |
| Hessian Construction Ordinance | R23-3                     |                       |
| Hessian Construction Ordinance | R23-4                     | 25.03.2014            |
| Hessian Construction Ordinance | R23-5                     | 21.03.2016            |
| Hessian Construction Ordinance | R2-4                      | 28.05.2009            |
| Hessian Construction Ordinance | R24-1                     | 20.02.1998            |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | R24-2                     | 22.06.1999       |
| Hessian Construction Ordinance | R25-1                     | 16.03.1995       |
| Hessian Construction Ordinance | R26/27-1                  | 31.10.1958       |
| Hessian Construction Ordinance | R27-2                     | 01.02.2005       |
| Hessian Construction Ordinance | R27-3                     | 07.10.2005       |
| Hessian Construction Ordinance | R28-1                     | 06.11.1970       |
| Hessian Construction Ordinance | R30-1                     | 13.06.1997       |
| Hessian Construction Ordinance | R31-1                     |                  |
| Hessian Construction Ordinance | R31-2                     | 14.09.2017       |
| Hessian Construction Ordinance | R3-3                      | 05.09.2003       |
| Water legislation              | R34-1                     | 28.04.1988       |
| Water legislation              | R34-2                     |                  |
| Hessian Construction Ordinance | R35-1                     | 06.11.1970       |
| Hessian Construction Ordinance | R35-2                     | 04.03.1997       |
| Hessian Construction Ordinance | R36-1                     | 31.10.2000       |
| Hessian Construction Ordinance | R36-2                     | 20.02.1998       |
| Hessian Construction Ordinance | R36-3                     | 22.06.1999       |
| Hessian Construction Ordinance | R36-4                     | 13.11.2008       |
| Hessian Construction Ordinance | R37-0                     | 20.02.1998       |
| Hessian Construction Ordinance | R37-0A                    | 22.06.1999       |
| Hessian Construction Ordinance | R38-1                     |                  |
| Hessian Construction Ordinance | R38-2                     | 19.07.2016       |
| Hessian Construction Ordinance | R39-4                     | 11.09.2007       |
| Hessian Construction Ordinance | R40-1                     | 14.05.2009       |
| Hessian Construction Ordinance | R40-2                     | 19.11.2010       |
| Hessian Construction Ordinance | R40-3                     |                  |
| Hessian Construction Ordinance | R4-1                      | 16.02.2001       |
| Hessian Construction Ordinance | R41-1                     | 20.12.1960       |
| Hessian Construction Ordinance | R41-2                     | 07.05.1981       |
| Hessian Construction Ordinance | R41-4                     | 15.06.2004       |
| Hessian Construction Ordinance | R41-5                     | 28.11.2017       |
| Hessian Construction Ordinance | R43-1                     | 21.02.1979       |
| Hessian Construction Ordinance | R43-2                     | 25.11.1985       |

| Field of law                     | Internal reference number | Date of approval      |
|----------------------------------|---------------------------|-----------------------|
| Hessian Construction Ordinance   | R44-1                     | 07.01.1969            |
| Regulation inflammable materials | R44-2                     | 16.11.1989            |
| Hessian Construction Ordinance   | R44-3                     | 19.04.1990            |
| Hessian Construction Ordinance   | R48-1                     | 17.08.2016            |
| Hessian Construction Ordinance   | R50-1                     | 23.04.1998            |
| Hessian Construction Ordinance   | R50-5                     | 30.04.2010            |
| Hessian Construction Ordinance   | R51-1A                    |                       |
| Hessian Construction Ordinance   | R5-2                      | 31.05.1995            |
| Hessian Construction Ordinance   | R52-2                     | 23.04.1998            |
| Hessian Construction Ordinance   | R5-3                      | 16.02.2001            |
| Hessian Construction Ordinance   | R53-1                     |                       |
| Hessian Construction Ordinance   | R6-1                      | 16.02.2001            |
| Hessian Construction Ordinance   | R65-1                     | 07.05.2008            |
| Hessian Construction Ordinance   | R66-1                     | 27.01.2010            |
| Hessian Construction Ordinance   | R7-2                      | 16.02.2001            |
| Hessian Construction Ordinance   | R77-1                     | 09.12.2016            |
| Hessian Construction Ordinance   | R8-1                      | 05.05.2000            |
| Hessian Construction Ordinance   | R81-1                     | 03.07.2014            |
| Hessian Construction Ordinance   | R8-2                      | 21.09.2003            |
| Hessian Construction Ordinance   | R82-1                     | 03.07.2014            |
| Hessian Construction Ordinance   | R9-3                      | 23.08.1999            |
| Radiation Protection Act         | RAB-1                     | 12.08.1976            |
| Waste Act                        | RETRO-3                   | 29.05.2013;07.09.2017 |
| Waste Act                        | RETRO-4                   |                       |
| Waste Act                        | RETRO-5                   | 23.08.2016            |
| Hessian Construction Ordinance   | REUTERALL EE10-1          | 11.09.1964            |
| Hessian Construction Ordinance   | REUTERALL EE10-2          |                       |
| Hessian Construction Ordinance   | REUTERALL EE12-1          |                       |
| Hessian Construction Ordinance   | RHEIN-1                   | 10.04.1897            |
| Hessian Construction Ordinance   | RHEIN-10                  | 08.02.1995            |
| Hessian Construction Ordinance   | RHEIN-11                  | 08.11.2011            |
| Other provisions                 | RHEIN-12                  | 02.12.2011            |
| Hessian Construction Ordinance   | RHEIN-13                  |                       |
| Hessian Construction             | RHEIN-14                  | 16.03.2015            |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | RHEIN-2                   | 01.02.1935       |
| Hessian Construction Ordinance | RHEIN-2A                  | 03.05.1944       |
| Hessian Construction Ordinance | RHEIN-3                   | 05.06.1951       |
| Hessian Construction Ordinance | RHEIN-3A                  | 11.01.1952       |
| Hessian Construction Ordinance | RHEIN-4                   | 03.04.1952       |
| Hessian Construction Ordinance | RHEIN-5                   | 27.01.1953       |
| Hessian Construction Ordinance | RHEIN-6                   | 29.07.1959       |
| Hessian Construction Ordinance | RHEIN-7                   | 07.08.1970       |
| Hessian Construction Ordinance | RHEIN-8                   | 24.02.1975       |
| Hessian Construction Ordinance | RHEIN-9                   | 09.10.1979       |
| Hessian Construction Ordinance | RHEIN-9B                  | 01.04.1980       |
| Hessian Construction Ordinance | ROHRB-1                   | 03.08.1988       |
| Hessian Construction Ordinance | ROHRB-11                  | 21.11.1994       |
| Hessian Construction Ordinance | ROHRB-12                  | 14.11.1995       |
| Hessian Construction Ordinance | ROHRB-13                  | 09.03.1995       |
| Hessian Construction Ordinance | ROHRB-14                  | 20.02.1996       |
| Hessian Construction Ordinance | ROHRB-15                  | 23.04.1997       |
| Hessian Construction Ordinance | ROHRB-17                  | 24.06.1996       |
| Hessian Construction Ordinance | ROHRB-18                  | 10.06.1997       |
| Hessian Construction Ordinance | ROHRB-19                  | 20.11.1997       |
| Hessian Construction Ordinance | ROHRB-2                   | 16.12.1988       |
| Hessian Construction Ordinance | ROHRB-20                  | 12.05.1999       |
| Hessian Construction Ordinance | ROHRB-21                  | 03.03.1998       |
| Hessian Construction Ordinance | ROHRB-22                  | 19.04.1999       |
| Hessian Construction Ordinance | ROHRB-25                  | 14.06.2002       |
| Hessian Construction Ordinance | ROHRB-26                  | 09.01.2003       |
| Hessian Construction Ordinance | ROHRB-28                  | 02.02.2007       |
| Hessian Construction Ordinance | ROHRB-29                  | 31.08.2007       |
| Hessian Construction Ordinance | ROHRB-3                   | 20.05.1992       |
| Hessian Construction Ordinance | ROHRB-30                  | 07.03.2008       |
| Hessian Construction Ordinance | ROHRB-31                  | 27.05.2009       |
| Hessian Construction Ordinance | ROHRB-32                  | 06.05.2010       |



## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | ROHRB-33                  | 25.06.2010       |
| Hessian Construction Ordinance | ROHRB-34                  | 11.09.2012       |
| Hessian Construction Ordinance | ROHRB-35                  | 07.11.2012       |
| Hessian Construction Ordinance | ROHRB-36                  | 04.12.2012       |
| Hessian Construction Ordinance | ROHRB-37                  | 18.06.2013       |
| Hessian Construction Ordinance | ROHRB-38                  | 16.05.2014       |
| Hessian Construction Ordinance | ROHRB-39                  | 16.05.2014       |
| Hessian Construction Ordinance | ROHRB-4                   | 20.05.1992       |
| Hessian Construction Ordinance | ROHRB-6                   | 01.12.1992       |
| Hessian Construction Ordinance | ROHRB-7                   | 12.11.1993       |
| Hessian Construction Ordinance | ROHRB-8                   | 01.06.1994       |
| Hessian Construction Ordinance | ROHRB-9                   | 11.12.1995       |
| Hessian Construction Ordinance | ROßDÖRFER STRASSE45-1     | 14.10.1958       |
| Hessian Construction Ordinance | ROßDÖRFER STRASSE45-2     |                  |
| Hessian Construction Ordinance | ROßDÖRFER STRASSE47-1     |                  |
| Other provisions               | RUV-1                     |                  |
| Hessian Construction Ordinance | S100-1                    | 03.05.2001       |
| Hessian Construction Ordinance | S100-2                    | 28.07.2015       |
| Hessian Construction Ordinance | S10-1                     | 17.05.1993       |
| Hessian Construction Ordinance | S1-1                      | 24.07.1980       |
| Hessian Construction Ordinance | S11-2                     | 31.05.1995       |
| Hessian Construction Ordinance | S12-1                     | 08.09.1980       |
| Hessian Construction Ordinance | S17-1                     | 17.05.2010       |
| Hessian Construction Ordinance | S18-1                     | 13.08.1968       |
| Hessian Construction Ordinance | S18-3                     | 25.01.1978       |
| Hessian Construction Ordinance | S18-4                     | 21.12.2004       |
| Hessian Construction Ordinance | S18-5                     | 28.07.2015       |
| Hessian Construction Ordinance | S19-2                     | 31.05.1995       |
| Hessian Construction Ordinance | S2/S3-1                   | 11.09.1902       |
| Hessian Construction Ordinance | S2/S3-2                   | 07.07.1910       |
| Hessian Construction Ordinance | S2/S3-5                   | 14.09.2017       |
| Hessian Construction Ordinance | S21-1                     | 06.12.1968       |
| Hessian Construction Ordinance | S21-2                     | 14.11.2012       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | S21-3                     | 11.12.2012       |
| Hessian Construction Ordinance | S3-5                      | 03.11.1978       |
| Hessian Construction Ordinance | S3-6                      | 07.12.1995       |
| Hessian Construction Ordinance | S4-1                      | 20.02.1975       |
| Hessian Construction Ordinance | S4-1A                     | 17.09.1980       |
| Hessian Construction Ordinance | S4-2                      | 03.04.1991       |
| Hessian Construction Ordinance | S7-1                      | 10.05.1971       |
| Hessian Construction Ordinance | S7-3                      | 12.09.2000       |
| Hessian Construction Ordinance | S7-4                      | 27.07.2004       |
| Federal Pollution Control Act  | S7-A1                     | 06.07.2000       |
| Hessian Construction Ordinance | S8-1                      | 11.11.1971       |
| Hessian Construction Ordinance | S9-1                      | 08.12.1980       |
| Hessian Construction Ordinance | SAMMELGEN EHMIGUNG-1      | 24.03.1981       |
| Other provisions               | SAN-1                     |                  |
| Hessian Construction Ordinance | SAN-3                     | 28.01.2004       |
| Other provisions               | SAN-A100FF                | 17.01.2008       |
| Other provisions               | SAN-O10/11                | 26.06.2006       |
| Other provisions               | SAN-R3/4/6                | 07.10.2004       |
| Hessian Construction Ordinance | SAN-XWALL                 | 14.04.2005       |
| Other provisions               | SAN-Z3                    | 21.03.2005       |
| Hessian Construction Ordinance | SCHACHT-1                 | 07.09.2017       |
| Other provisions               | SCHALLKAT ASTER-1         |                  |
| Hessian Construction Ordinance | SO-1                      | 22.06.1982       |
| Hessian Construction Ordinance | SO-2                      | 11.11.1982       |
| Hessian Construction Ordinance | SO-3                      | 02.03.1983       |
| Hessian Construction Ordinance | SO-4                      | 07.06.1983       |
| Hessian Construction Ordinance | SO-5                      | 10.05.1985       |
| Hessian Construction Ordinance | SO-6                      | 13.11.1987       |
| Tree felling permission        | SO-7                      | 04.12.1991       |
| Tree felling permission        | SO-8                      | 12.05.1992       |
| Hessian Construction Ordinance | SPESSART-1                | 20.09.1921       |
| Hessian Construction Ordinance | SPESSART-2                | 10.03.1922       |
| Other provisions               | SPESSART-3                | 21.03.1922       |
| Hessian Construction Ordinance | SPESSART-4                | 22.03.1944       |
| Sprengstoffgesetz              | SPRENG-5                  | 16.04.2012       |
| Hessian Construction Ordinance | STR-1                     | 11.07.1997       |

| Field of law                                        | Internal reference number | Date of approval                                       |
|-----------------------------------------------------|---------------------------|--------------------------------------------------------|
| Hessian Construction Ordinance                      | STR-11                    | 05.01.2006                                             |
| Hessian Construction Ordinance                      | STR-12                    | 28.04.2007                                             |
| Hessian Construction Ordinance                      | STR-13                    | 14.12.2007                                             |
| Hessian Construction Ordinance                      | STR-14                    | 10.01.2008                                             |
| Hessian Construction Ordinance                      | STR-15                    | 07.03.2008                                             |
| Hessian Construction Ordinance                      | STR-16                    | 19.01.2008                                             |
| Hessian Construction Ordinance                      | STR-17                    | 22.01.2010                                             |
| Hessian Construction Ordinance                      | STR-18                    |                                                        |
| Hessian Construction Ordinance                      | STR-19                    | 26.08.2014                                             |
| Hessian Construction Ordinance                      | STR-1A                    | 05.05.1998                                             |
| Hessian Construction Ordinance                      | STR-2                     | 15.04.1999                                             |
| Hessian Construction Ordinance                      | STR-3                     | 05.12.1997                                             |
| Hessian Construction Ordinance                      | STR-3A                    | 17.09.1998                                             |
| Hessian Construction Ordinance                      | STR-4                     | 10.03.1998                                             |
| Hessian Construction Ordinance                      | STR-5                     | 03.07.1997                                             |
| Hessian Construction Ordinance                      | STR-6                     | 27.09.1999                                             |
| Hessian Construction Ordinance                      | STR-7                     | 05.09.2000                                             |
| Hessian Construction Ordinance                      | STR-8                     | 11.07.2000                                             |
| Hessian Construction Ordinance                      | STR-9                     | 02.04.2001                                             |
| Hessian Construction Ordinance                      | STR-ALLGEMEIN(1)          | 24.06.2004                                             |
| Hessian Construction Ordinance                      | STR-EXTERN                | 02.05.2016                                             |
| Radiation Protection Act (Strahlenschutzverordnung) | STV-109                   | 30.01.2007                                             |
| Radiation Protection Act                            | STV-110                   | 25.01.2007                                             |
| Radiation Protection Act                            | STV-112                   | 12.06.2007;01.07.2010;30.07.2010;31.07.2013;26.07.2016 |
| Radiation Protection Act                            | STV-113                   | 11.06.2007;01.07.2010;31.07.2013;26.07.2016            |
| Radiation Protection Act                            | STV-117                   | 16.08.2007;27.10.2010;28.10.2013;27.07.2016            |
| Radiation Protection Act                            | STV-122                   | 09.06.2008                                             |
| Radiation Protection Act                            | STV-124                   | 27.08.2008                                             |
| Radiation Protection Act                            | STV-129                   | 18.03.2010                                             |
| Radiation Protection Act                            | STV-132                   | 19.10.2011;01.12.                                      |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Act                            |                           | 2014;09.10.2017  |
| Radiation Protection Act       | STV-133                   | 02.11.2011       |
| Radiation Protection Act       | STV-136                   | 20.12.2011       |
| Radiation Protection Act       | STV-137                   | 29.08.2012       |
| Radiation Protection Act       | STV-139                   | 02.11.2012       |
| Radiation Protection Act       | STV-147                   | 10.02.2012       |
| Radiation Protection Act       | STV-148                   | 08.10.2014       |
| Radiation Protection Act       | STV-150                   | 31.05.2015       |
| Radiation Protection Act       | STV-152                   | 16.11.2015       |
| Radiation Protection Act       | STV-153                   | 03.03.2016       |
| Radiation Protection Act       | STV-154                   | 21.03.2017       |
| Radiation Protection Act       | STV-155                   | 13.07.2017       |
| Radiation Protection Act       | STV-49A                   | 10.07.2009       |
| Radiation Protection Act       | STV-83                    | 22.04.2003       |
| Radiation Protection Act       | STV-A1                    | 10.07.1996       |
| Hessian Construction Ordinance | T1-1                      |                  |
| Hessian Construction Ordinance | T11-1                     |                  |
| Hessian Construction Ordinance | T12-1                     |                  |
| Hessian Construction Ordinance | T13-1                     |                  |
| Hessian Construction Ordinance | T15-1                     |                  |
| Hessian Construction Ordinance | T15-2                     | 26.10.1983       |
| Federal Pollution Control Act  | T17/29-1                  | 05.11.1998       |
| Federal Pollution Control Act  | T17/29-3                  | 14.07.1998       |
| Federal Pollution Control Act  | T17/29-4                  | 10.06.2005       |
| Water legislation              | T17/29-4B                 |                  |
| Hessian Construction Ordinance | T17/29-4C                 |                  |
| Federal Pollution Control Act  | T17/29-5                  | 02.11.2006       |
| Hessian Construction Ordinance | T17/29-7                  | 31.07.2007       |
| Federal Pollution Control Act  | T17/29-A2                 | 05.06.2002       |
| Federal Pollution Control Act  | T17/29-A3                 | 27.01.2010       |
| Federal Pollution Control Act  | T17/29-V1                 | 18.07.2001       |
| Hessian Construction Ordinance | T17-2                     | 26.05.1998       |
| Hessian Construction Ordinance | T17-4                     | 23.04.1999       |

| Field of law                                                   | Internal reference number | Date of approval      |
|----------------------------------------------------------------|---------------------------|-----------------------|
| Hessian Construction Ordinance                                 | T19-1                     | 22.10.1993            |
| Federal Pollution Control Act                                  | T19-2                     |                       |
| Hessian Construction Ordinance                                 | T20-1                     |                       |
| Hessian Construction Ordinance                                 | T2-1                      | 05.03.1971            |
| Hessian Construction Ordinance                                 | T21-1A                    | 29.03.1978            |
| Regulation inflammable materials (Verordnung brennbare Stoffe) | T21-2                     | 30.12.1977            |
| Waste Act                                                      | T21-3                     | 09.01.1989            |
| Water legislation                                              | T21-4                     | 02.04.1991            |
| Hessian Construction Ordinance                                 | T22-1                     | 09.11.1988            |
| Hessian Construction Ordinance                                 | T23-1                     | 16.04.1992            |
| Water legislation                                              | T24/39-1                  | 27.02.1965            |
| Water legislation                                              | T24/39-2                  | 13.10.1977            |
| Hessian Construction Ordinance                                 | T25-1                     |                       |
| Water legislation                                              | T27/39-3                  | 30.01.1981            |
| Waste Act                                                      | T28/29-1                  | 16.03.1990            |
| Federal Pollution Control Act                                  | T29-2                     | 16.03.1995            |
| Water legislation                                              | T29-3                     | 08.08.2000            |
| Water legislation                                              | T29-4                     | 04.12.2014            |
| Hessian Construction Ordinance                                 | T3-1                      |                       |
| Water legislation                                              | T32/38-1                  | 20.07.1990;02.04.2014 |
| Trade Regulation Act;Hessian Construction Ordinance (HBO)      | T37/46-1                  | 15.07.1966            |
| Water legislation                                              | T37/46-2                  | 23.08.1977            |
| Water legislation                                              | T37/46-2A                 | 26.04.1979            |
| Water legislation                                              | T37/46-4                  | 12.11.1979            |
| Water legislation                                              | T39-4                     | 20.04.1982            |
| Steam Boiler Ordinance                                         | T40-10                    | 21.12.1998            |
| Water legislation                                              | T40-11                    | 28.01.1999            |
| Water legislation                                              | T40-12                    | 04.04.2000            |
| Hessian Construction Ordinance                                 | T40-14                    | 20.09.1999            |
| Hessian Construction Ordinance                                 | T40-15                    | 30.11.2000            |
| Federal Pollution Control Act                                  | T40-16                    | 13.02.2002            |
| Water legislation                                              | T40-17                    | 19.06.2001            |
| Hessian Construction Ordinance                                 | T40-18                    | 15.04.2002            |
| Water legislation                                              | T40-19                    | 07.08.2002            |
| Hessian Construction Ordinance                                 | T40-20                    | 24.04.2002            |
| Hessian Construction Ordinance                                 | T40-21                    | 25.03.2002            |
| Hessian Construction Ordinance                                 | T40-22                    | 27.02.2003            |
| Water legislation                                              | T40-23                    | 06.07.2005            |
| Federal Pollution Control Act                                  | T40-24                    | 17.04.2007            |

| Field of law                                    | Internal reference number | Date of approval      |
|-------------------------------------------------|---------------------------|-----------------------|
| Hessian Construction Ordinance                  | T40-24A                   | 17.04.2007            |
| Water legislation                               | T40-24B                   | 17.04.2007            |
| Operating Safety Ordinance                      | T40-25                    | 14.07.2008            |
| Federal Pollution Control Act                   | T40-26                    | 13.11.2014            |
| Federal Pollution Control Act                   | T40-27                    | 21.04.2016;22.07.2016 |
| Water legislation                               | T40-5                     | 14.07.1981            |
| Water legislation                               | T40-6                     | 16.05.1997            |
| Water legislation                               | T40-7                     | 25.02.1997            |
| Water legislation                               | T40-8                     | 06.05.1997            |
| Federal Pollution Control Act                   | T40-A1                    | 16.09.2010            |
| Federal Pollution Control Act                   | T40-A2                    | 28.06.2012            |
| Federal Pollution Control Act                   | T40-A3                    | 24.06.2013            |
| Federal Pollution Control Act                   | T40-A4                    | 24.03.2014            |
| Other provisions                                | T42-1                     |                       |
| Steam Boiler Ordinance (Dampfkessel-Verordnung) | T44-2                     | 29.01.1992            |
| Steam Boiler Ordinance                          | T44-3                     | 24.02.1992            |
| Water legislation                               | T45-1                     | 01.08.2001            |
| Hessian Construction Ordinance                  | T46-1                     | 31.07.2002            |
| Water legislation                               | T46-2                     | 19.07.2004            |
| Hessian Construction Ordinance                  | T47-1                     | 29.04.1983;21.05.1984 |
| Hessian Construction Ordinance                  | T47-2                     | 08.05.1987            |
| Hessian Construction Ordinance                  | T47-3                     | 24.08.2006            |
| Water legislation                               | T48-1                     | 04.09.1991            |
| Hessian Construction Ordinance                  | T49-2                     | 28.04.2017            |
| Water legislation                               | T49-3                     | 24.01.2017            |
| Hessian Construction Ordinance                  | T50-1                     | 09.12.1968            |
| Hessian Construction Ordinance                  | T50-2                     | 25.11.1975            |
| Hessian Construction Ordinance                  | T50-5                     | 16.11.2000            |
| Hessian Construction Ordinance                  | T50-6                     | 13.05.2003            |
| Hessian Construction Ordinance                  | T51-4                     | 10.03.1998            |
| Hessian Construction Ordinance                  | T51-5                     | 16.06.1998            |
| Hessian Construction Ordinance                  | T51-6                     | 22.02.2007            |
| Hessian Construction Ordinance                  | T53-1                     | 22.02.2007            |
| Hessian Construction Ordinance                  | T6-0                      |                       |
| Water legislation                               | T60/61-1                  | 05.11.1979            |
| Water legislation                               | T60/61-2                  | 18.05.1981            |
| Hessian Construction Ordinance                  | T60/61-3                  | 29.08.2012            |
| Water legislation                               | T6-1                      | 22.06.1989            |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                     | Internal reference number     | Date of approval                     |
|----------------------------------|-------------------------------|--------------------------------------|
| Water legislation                | T63/65-1                      | 30.10.1980                           |
| Water legislation                | T63/65-1A                     | 28.09.1983                           |
| Water legislation                | T64-1                         | 20.12.2001                           |
| Hessian Construction Ordinance   | T68-2                         | 14.10.2015                           |
| Hessian Construction Ordinance   | T7-1                          |                                      |
| Hessian Construction Ordinance   | T71/72/73-1                   | 24.01.2002                           |
| Water legislation                | T71/72/73-2                   | 24.07.2002                           |
| Regulation inflammable materials | T71/72/73-3                   | 14.11.2002                           |
| Water legislation                | T71/72/73-4                   | 06.01.2004                           |
| Water legislation                | T71/72-1                      | 06.11.2013                           |
| Regulation inflammable materials | T74-1                         | 14.11.2002                           |
| Hessian Construction Ordinance   | T74-4                         | 12.06.2002                           |
| Hessian Construction Ordinance   | T74-5                         | 22.09.2004                           |
| Hessian Construction Ordinance   | T74-6                         | 10.04.2008                           |
| Hessian Construction Ordinance   | T75-1                         | 16.07.2003                           |
| Federal Pollution Control Act    | T80/81-1                      | 06.12.2002                           |
| Water legislation                | T80/81-2                      | 04.11.2003                           |
| Hessian Construction Ordinance   | T80/81-3                      | 07.12.2016                           |
| Federal Pollution Control Act    | T80/81-A1                     | 14.11.2003                           |
| Federal Pollution Control Act    | T80/81-A2                     | 20.09.2007                           |
| Hessian Construction Ordinance   | T8-1                          | 18.06.1975                           |
| Hessian Construction Ordinance   | T83-1                         | 05.10.2006                           |
| Water legislation                | T90-3                         |                                      |
| Hessian Construction Ordinance   | T91-1                         | 17.12.2015                           |
| Hessian Construction Ordinance   | T95-1                         | 28.01.2015                           |
| Hessian Construction Ordinance   | TÄUBCHESH<br>ÖHLENWEG<br>42-2 | 29.06.2010                           |
| Hessian Construction Ordinance   | TÄUBCHESH<br>ÖHLENWEG1<br>4-1 |                                      |
| Other provisions                 | TEHG-1                        |                                      |
| Other provisions                 | TIER-4                        | 06.02.2013;20.08.<br>2013;05.08.2016 |
| Hessian Construction Ordinance   | U1-1                          | 13.03.1953                           |
| Hessian Construction Ordinance   | U11-1                         | 28.07.1992                           |
| Hessian Construction Ordinance   | U112-1                        | 06.06.2008                           |
| Hessian Construction Ordinance   | U1-2                          | 07.11.1979                           |
| Hessian Construction Ordinance   | U13-1                         | 30.06.1971                           |
| Hessian Construction Ordinance   | U1-4                          | 14.03.2007                           |
| Hessian Construction             | U16-2                         | 16.11.2001                           |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | U17-1                     | 02.02.1996       |
| Hessian Construction Ordinance | U20-1                     | 10.11.1969       |
| Hessian Construction Ordinance | U21-1                     | 06.07.2000       |
| Hessian Construction Ordinance | U22-2                     | 30.09.2009       |
| Hessian Construction Ordinance | U23-2                     | 16.11.2001       |
| Hessian Construction Ordinance | U24-1                     | 09.05.2000       |
| Hessian Construction Ordinance | U25-2                     | 19.03.2002       |
| Hessian Construction Ordinance | U26-1                     | 07.06.1984       |
| Hessian Construction Ordinance | U26-2                     | 12.01.2011       |
| Hessian Construction Ordinance | U26-3                     | 11.12.2012       |
| Hessian Construction Ordinance | U27-1                     | 28.06.1984       |
| Hessian Construction Ordinance | U30-2                     | 17.10.1975       |
| Hessian Construction Ordinance | U30-3                     | 14.03.2007       |
| Hessian Construction Ordinance | U33-1                     | 15.11.2001       |
| Water legislation              | U33-2                     | 13.03.2002       |
| Hessian Construction Ordinance | U34-1                     | 14.11.2007       |
| Hessian Construction Ordinance | U40-1                     | 27.11.2007       |
| Hessian Construction Ordinance | U4-4                      | 06.07.2000       |
| Hessian Construction Ordinance | U5/6/7-2                  | 04.05.1999       |
| Hessian Construction Ordinance | U5/6/7-3                  | 23.08.2000       |
| Hessian Construction Ordinance | U5/6/7-5                  | 02.06.2004       |
| Hessian Construction Ordinance | U5-1                      | 02.02.1987       |
| Hessian Construction Ordinance | U5-4                      | 17.05.2002       |
| Hessian Construction Ordinance | U6-1                      | 27.05.1977       |
| Hessian Construction Ordinance | U7-1                      | 13.03.1968       |
| Hessian Construction Ordinance | U7-2                      | 10.05.2005       |
| Hessian Construction Ordinance | U8-1                      | 16.11.2001       |
| Hessian Construction Ordinance | U9/12-1                   | 24.10.1966       |
| Hessian Construction Ordinance | U9-3                      | 16.07.1992       |
| Hessian Construction Ordinance | ULMENSTRA<br>SSE2-1       | 04.06.1959       |
| Hessian Construction Ordinance | ULMENSTRA<br>SSE2-2       | 18.10.1971       |
| Hessian Construction Ordinance | ULMENSTRA<br>SSE2-3       | 09.01.1992       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | ULMENSTRA<br>SSE4-1       |                  |
| Other provisions               | UMFELD-1                  |                  |
| Hessian Construction Ordinance | V100-2                    | 09.08.1983       |
| Hessian Construction Ordinance | V100-3                    | 17.12.1996       |
| Water legislation              | V100-4                    | 27.05.1997       |
| Water legislation              | V100-5                    | 18.09.2013       |
| Hessian Construction Ordinance | V100-V1                   | 16.01.1997       |
| Hessian Construction Ordinance | V26-2                     | 13.06.1985       |
| Hessian Construction Ordinance | V27-1                     | 09.12.1981       |
| Hessian Construction Ordinance | V40/42-1                  | 28.06.1977       |
| Hessian Construction Ordinance | V40/42-4                  | 09.09.2008       |
| Hessian Construction Ordinance | V40/42-5                  |                  |
| Hessian Construction Ordinance | V40-2                     | 30.10.2002       |
| Hessian Construction Ordinance | V42-2                     | 08.03.1991       |
| Hessian Construction Ordinance | V42-3                     | 06.03.2001       |
| Hessian Construction Ordinance | V43-1                     |                  |
| Hessian Construction Ordinance | V46-1                     | 24.07.2017       |
| Hessian Construction Ordinance | V60/61-1                  | 22.01.1970       |
| Hessian Construction Ordinance | V60/61-2                  | 06.01.1975       |
| Hessian Construction Ordinance | V60/61-3                  | 07.03.2012       |
| Hessian Construction Ordinance | V60-3                     | 23.02.1981       |
| Hessian Construction Ordinance | V61-1                     |                  |
| Hessian Construction Ordinance | V61-2                     |                  |
| Hessian Construction Ordinance | V61-3                     | 07.03.2012       |
| Hessian Construction Ordinance | V64-1                     | 18.01.1977       |
| Hessian Construction Ordinance | V64-2                     | 10.05.2005       |
| Hessian Construction Ordinance | V64-3                     | 09.06.2006       |
| Hessian Construction Ordinance | V65-1                     | 09.02.2010       |
| Hessian Construction Ordinance | V66/67-1                  | 27.04.2000       |
| Hessian Construction Ordinance | V66/67-2                  | 13.07.2000       |
| Hessian Construction Ordinance | V66/67-3                  | 02.05.2001       |
| Hessian Construction Ordinance | V66/67-4                  | 10.09.2013       |
| Hessian Construction Ordinance | V66/67-5                  | 23.04.2015       |
| Hessian Construction           | V70-1                     | 15.12.1983       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | V70-3                     | 25.01.1988       |
| Hessian Construction Ordinance | V70-3A                    | 30.06.1988       |
| Hessian Construction Ordinance | V70-3B                    | 16.02.1990       |
| Hessian Construction Ordinance | V70-4                     | 05.02.1992       |
| Hessian Construction Ordinance | V70-6                     | 03.09.2012       |
| Other provisions               | VERANSTALTUNG_2014-1      | 02.09.2014       |
| Hessian Construction Ordinance | W100-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W100-2                    | 10.08.2011       |
| Hessian Construction Ordinance | W100-3                    | 10.08.2011       |
| Hessian Construction Ordinance | W100-4                    | 23.11.2015       |
| Hessian Construction Ordinance | W100-5                    | 21.03.2016       |
| Hessian Construction Ordinance | W101-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W102-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W103-1                    | 10.08.2011       |
| Hessian Construction Ordinance | W104-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W105-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W106-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W107-1                    | 10.08.2011       |
| Hessian Construction Ordinance | W108-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W109-1                    | 10.08.2011       |
| Hessian Construction Ordinance | W110-1                    | 10.08.2011       |
| Hessian Construction Ordinance | W111-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W115-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W116-1                    | 20.11.2007       |
| Hessian Construction Ordinance | W120-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W121-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W122-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W123-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W124-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W125-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W126-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W127-1                    | 11.07.2007       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | W128-1                    | 11.07.2007       |
| Hessian Construction Ordinance | W30-1                     | 08.03.2016       |
| Hessian Construction Ordinance | W40-1                     |                  |
| Water legislation              | W40-2                     | 19.07.2017       |
| Hessian Construction Ordinance | W50-1                     | 30.11.2000       |
| Hessian Construction Ordinance | W50-2                     | 22.05.2001       |
| Hessian Construction Ordinance | W50-3                     | 27.11.2002       |
| Hessian Construction Ordinance | W50-4                     | 02.05.2003       |
| Hessian Construction Ordinance | W50-5                     | 01.10.2013       |
| Hessian Construction Ordinance | WALBEWEG3-1               | 15.07.1968       |
| Hessian Construction Ordinance | WALBEWEG3-2               | 16.12.1969       |
| Hessian Construction Ordinance | WALBEWEG3-3               | 14.07.1981       |
| Hessian Construction Ordinance | WALBEWEG-4                | 18.09.2015       |
| Other provisions               | WALEI-1                   | 07.07.1995       |
| Hessian Construction Ordinance | WARTE-1                   | 24.07.1970       |
| Hessian Construction Ordinance | WARTE-2                   | 12.09.1994       |
| Hessian Construction Ordinance | WASSERW-1                 | 05.08.1903       |
| Hessian Construction Ordinance | WASSERW-2                 | 27.10.1919       |
| Hessian Construction Ordinance | WASSERW-3                 | 26.05.1943       |
| Hessian Construction Ordinance | WASSERW-4                 | 28.07.1954       |
| Hessian Construction Ordinance | WASSERW-5                 | 09.02.1979       |
| Hessian Construction Ordinance | WASSERW-6                 | 30.12.1987       |
| Hessian Construction Ordinance | WASSERW-7                 | 03.03.1989       |
| Hessian Construction Ordinance | WERBE-10                  | 23.01.2017       |
| Hessian Construction Ordinance | WERBE-11                  | 23.01.2017       |
| Hessian Construction Ordinance | WERBE-12                  | 15.03.2017       |
| Hessian Construction Ordinance | WERBE-13                  | 12.05.2017       |
| Hessian Construction Ordinance | WERBE-2                   | 20.02.2006       |
| Hessian Construction Ordinance | WERBE-3                   | 29.05.2006       |
| Hessian Construction Ordinance | WERBE-4                   | 18.02.2008       |
| Hessian Construction Ordinance | WERBE-6                   | 08.06.2016       |
| Hessian Construction Ordinance | WERBE-7                   | 02.05.2016       |
| Hessian Construction Ordinance | WERBE-8                   | 02.05.2016       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | WERBE-9                   | 02.05.2016       |
| Hessian Construction Ordinance | WERKSZ-1                  | 06.10.1904       |
| Hessian Construction Ordinance | WERKSZ-2                  | 24.04.1923       |
| Hessian Construction Ordinance | WERKSZ-3                  | 23.04.1930       |
| Hessian Construction Ordinance | WERKSZ-4                  | 12.06.1933       |
| Hessian Construction Ordinance | WERKSZ-5                  | 08.04.1937       |
| Hessian Construction Ordinance | WERKSZ-6                  | 07.07.1938       |
| Hessian Construction Ordinance | WERKSZ-7                  | 18.07.1942       |
| Hessian Construction Ordinance | WERKSZ-8                  | 28.01.1944       |
| Hessian Construction Ordinance | WERKSZ-9                  | 21.05.1953       |
| Water legislation              | WESTW-1                   | 30.04.2004       |
| Hessian Construction Ordinance | WINDAUSWE G5-1            | 29.01.1971       |
| Hessian Construction Ordinance | WINDAUSWE G5-1A           | 15.05.1972       |
| Hessian Construction Ordinance | WINDAUSWE G5-2            | 22.05.1978       |
| Hessian Construction Ordinance | WINDAUSWE G5-3            | 20.01.1984       |
| Hessian Construction Ordinance | WINDAUSWE G5-4            | 20.08.1984       |
| Hessian Construction Ordinance | WINDAUSWE G5-5            |                  |
| Hessian Construction Ordinance | W-MORHARDT                | 17.03.2003       |
| Hessian Construction Ordinance | WOHNH-1                   | 14.12.1970       |
| Hessian Construction Ordinance | WOHNH-2                   | 06.04.1981       |
| Hessian Construction Ordinance | WOHNH-3                   | 26.06.1981       |
| Hessian Construction Ordinance | WOHNH-4                   | 19.01.1988       |
| Hessian Construction Ordinance | WOHNH-5                   | 16.01.1990       |
| Hessian Construction Ordinance | X22-1                     | 05.03.1971       |
| Hessian Construction Ordinance | X35-1                     | 30.03.1995       |
| Other provisions               | X6-1                      | 10.06.1996       |
| Federal Pollution Control Act  | Z1-1                      | 17.09.1975       |
| Hessian Construction Ordinance | Z112-1                    | 19.11.1999       |
| Hessian Construction Ordinance | Z121-1                    | 18.03.1998       |
| Hessian Construction Ordinance | Z122-1                    |                  |
| Hessian Construction Ordinance | Z123-1                    |                  |
| Hessian Construction Ordinance | Z124-1                    | 10.09.1997       |
| Hessian Construction Ordinance | Z125-1                    |                  |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                     | Internal reference number | Date of approval      |
|----------------------------------|---------------------------|-----------------------|
| Hessian Construction Ordinance   | Z126-1                    | 06.02.1998            |
| Hessian Construction Ordinance   | Z127-1                    | 16.02.1999            |
| Hessian Construction Ordinance   | Z128-1                    | 21.12.1998            |
| Hessian Construction Ordinance   | Z129-1                    | 09.12.1999            |
| Hessian Construction Ordinance   | Z130/132-1                | 26.11.1999            |
| Other provisions                 | Z13-1                     | 22.08.2000            |
| Hessian Construction Ordinance   | Z133-1                    | 28.12.1999            |
| Hessian Construction Ordinance   | Z135-1                    | 13.02.2002            |
| Hessian Construction Ordinance   | Z135-2                    | 08.08.2014            |
| Hessian Construction Ordinance   | Z136-1                    | 19.11.2002            |
| Hessian Construction Ordinance   | Z15-1                     | 16.06.1997            |
| Hessian Construction Ordinance   | Z17-1                     | 06.10.1992            |
| Hessian Construction Ordinance   | Z18-1                     | 16.04.1985            |
| Hessian Construction Ordinance   | Z18-2                     | 24.04.1989            |
| Hessian Construction Ordinance   | Z18-3                     | 10.02.1993            |
| Hessian Construction Ordinance   | Z19-3                     | 06.07.2004            |
| Hessian Construction Ordinance   | Z20/23-7                  | 27.02.1976            |
| Hessian Construction Ordinance   | Z20/23-8                  | 02.07.1986            |
| Hessian Construction Ordinance   | Z20/23-9                  | 28.07.2015            |
| Hessian Construction Ordinance   | Z2-1                      | 23.06.2016            |
| Water legislation                | Z2-2                      | 04.10.2016;24.04.2017 |
| Hessian Construction Ordinance   | Z25-1                     | 02.07.1986            |
| Hessian Construction Ordinance   | Z25-2                     | 13.12.2001            |
| Hessian Construction Ordinance   | Z25-3                     | 28.07.2015            |
| Hessian Construction Ordinance   | Z26-1                     | 29.08.1987            |
| Regulation inflammable materials | Z26-2                     | 01.11.1995            |
| Trade Regulation Act             | Z26-3                     | 03.08.2000            |
| Water legislation                | Z26-4                     | 28.10.2016;27.07.2017 |
| Hessian Construction Ordinance   | Z27-1                     | 05.12.1995            |
| Federal Pollution Control Act    | Z3-3                      | 28.03.2000            |
| Hessian Construction Ordinance   | Z3-4                      | 06.07.2000            |
| Hessian Construction Ordinance   | Z3-5                      | 11.06.2004            |
| Water legislation                | Z3-6                      | 27.01.2005            |
| Water legislation                | Z3-7                      |                       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | Z3-9                      | 23.06.2016       |
| Hessian Construction Ordinance | Z40-2                     | 18.03.1999       |
| Hessian Construction Ordinance | Z50-1                     | 14.10.1977       |
| Hessian Construction Ordinance | Z5-1                      | 13.06.1997       |
| Hessian Construction Ordinance | Z54-1                     | 28.01.2004       |
| Water legislation              | Z54-2                     | 11.05.2004       |
| Hessian Construction Ordinance | Z80-1                     | 26.10.2017       |
| Hessian Construction Ordinance | Z80-1A                    | 18.04.2017       |
| Water legislation              | Z80-2                     | 06.07.2017       |
| Hessian Construction Ordinance | Z8-2                      | 20.09.1999       |
| Hessian Construction Ordinance | Z9/10-3                   | 26.06.1981       |
| Hessian Construction Ordinance | ZAUN-1                    | 06.10.1904       |
| Hessian Construction Ordinance | ZAUN-10                   | 10.03.1999       |
| Other provisions               | ZAUN-12                   | 29.08.2002       |
| Hessian Construction Ordinance | ZAUN-2                    | 24.04.1923       |
| Hessian Construction Ordinance | ZAUN-3                    | 23.04.1930       |
| Hessian Construction Ordinance | ZAUN-4                    | 12.06.1933       |
| Hessian Construction Ordinance | ZAUN-5                    | 08.04.1937       |
| Hessian Construction Ordinance | ZAUN-6                    | 07.07.1938       |
| Hessian Construction Ordinance | ZAUN-7                    | 18.07.1942       |
| Hessian Construction Ordinance | ZAUN-8                    | 28.01.1944       |
| Hessian Construction Ordinance | ZAUN-9                    | 21.05.1953       |
| Hessian Construction Ordinance | ZELT-1                    |                  |
| Hessian Construction Ordinance | ZW19-1                    | 14.12.1971       |
| Waste Act                      | 0ABFALL-ALLG1             |                  |
| Water legislation              | 0ABW-1                    | 28.03.1956       |
| Hessian Construction Ordinance | 0ABW-10                   | 26.09.1975       |
| Water legislation              | 0ABW-12                   | 04.02.1980       |
| Water legislation              | 0ABW-13                   | 26.03.1981       |
| Water legislation              | 0ABW-14                   | 22.01.1982       |
| Water legislation              | 0ABW-15                   | 09.11.1982       |
| Water legislation              | 0ABW-16                   | 28.05.1985       |
| Water legislation              | 0ABW-19                   | 30.01.1989       |
| Water legislation              | 0ABW-2                    | 09.04.1959       |
| Water legislation              | 0ABW-23                   | 08.06.1998       |
| Water legislation              | 0ABW-25                   | 07.03.2000       |
| Water legislation              | 0ABW-26                   | 18.09.2000       |
| Water legislation              | 0ABW-27                   | 11.09.2000       |
| Hessian Construction Ordinance | 0ABW-28                   | 10.07.2001       |

| Field of law                                     | Internal reference number | Date of approval                                                                        |
|--------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------|
| Water legislation;Hessian Construction Ordinance | 0ABW-29                   | 19.07.2001                                                                              |
| Water legislation                                | 0ABW-3                    | 23.03.1964                                                                              |
| Other provisions                                 | 0ABW-31                   | 23.11.2005                                                                              |
| Other provisions                                 | 0ABW-32                   | 23.03.2006                                                                              |
| Water legislation                                | 0ABW-33                   | 12.12.1994;08.11.1995;18.01.2016;01.03.2016                                             |
| Water legislation                                | 0ABW-4                    | 20.09.1968                                                                              |
| Water legislation                                | 0ABW-5                    | 08.02.1972                                                                              |
| Water legislation                                | 0ABW-6                    | 29.11.1973                                                                              |
| Water legislation                                | 0ABW-8                    | 05.06.1975                                                                              |
| Hessian Construction Ordinance                   | 0ABW-9                    | 06.12.1974                                                                              |
| Other provisions                                 | 0ABWABG-1                 | 13.05.2011;15.01.2013                                                                   |
| Other provisions                                 | 0ALTL-1                   | 13.08.1991                                                                              |
| Hessian Construction Ordinance                   | 0AUFF-1                   | 23.04.1998                                                                              |
| Water legislation                                | 0AUFZUG-1                 | 28.08.2014                                                                              |
| Other provisions                                 | 0DÜKER-1                  | 02.07.1975                                                                              |
| Water legislation                                | 0EINLEIT-2                | 16.08.2012;24.02.2014;08.07.2014;26.10.2015;13.11.2015;20.01.2016;26.04.2016;25.01.2017 |
| Water legislation                                | 0EINLEIT-2.1              | 16.03.2016;04.05.2017                                                                   |
| Water legislation                                | 0GWF-11                   | 09.04.1992                                                                              |
| Water legislation                                | 0GWF-11A                  | 09.04.1992                                                                              |
| Waste Act                                        | 0GWF-11B                  | 23.11.1994                                                                              |
| Other provisions                                 | 0GWF-13                   | 08.02.1996                                                                              |
| Other provisions                                 | 0GWF-13A                  | 04.12.1995                                                                              |
| Other provisions                                 | 0GWF-14                   | 02.11.1999                                                                              |
| Water legislation                                | 0GWF-14A                  | 02.11.1999                                                                              |
| Water legislation                                | 0GWF-16                   | 03.09.2001                                                                              |
| Water legislation                                | 0GWF-17                   | 13.04.2007;08.02.2011;23.09.2014;06.04.2016                                             |
| Water legislation                                | 0GWF-18                   | 19.12.2013                                                                              |
| Water legislation                                | 0GWF-3                    | 05.12.1974                                                                              |
| Water legislation                                | 0GWF-5                    | 20.12.1982                                                                              |
| Water legislation                                | 0GWF-7                    | 13.08.1986                                                                              |
| Hessian Construction Ordinance                   | 0GWF-7A                   | 13.08.1986                                                                              |
| Water legislation                                | 0GWF-8                    | 07.11.1988                                                                              |
| Water legislation                                | 0GWF-8B                   | 10.04.1991                                                                              |
| Water legislation                                | 0GWF-9                    | 05.08.1993                                                                              |
| Other provisions                                 | 0KAI-1                    | 02.05.2001                                                                              |
| Other provisions                                 | 0KAI-1A                   | 11.06.2001                                                                              |
| Other provisions                                 | 0MWG-1                    | 18.06.1948;14.07.1948;30.07.1948                                                        |
| Hessian Construction Ordinance                   | 0N2/LGR-1                 | 01.07.1982                                                                              |
| Water legislation                                | 0PARKP-1                  | 08.02.1967                                                                              |
| Hessian Construction Ordinance                   | 0PARKP-10                 | 04.08.1998                                                                              |
| Hessian Construction Ordinance                   | 0PARKP-11                 | 12.02.1998                                                                              |
| Water legislation                                | 0PARKP-12                 | 30.07.1998                                                                              |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval                 |
|--------------------------------|---------------------------|----------------------------------|
| Water legislation              | 0PARKP-14                 | 18.12.1998                       |
| Hessian Construction Ordinance | 0PARKP-15                 | 29.02.2000                       |
| Hessian Construction Ordinance | 0PARKP-16                 | 07.01.2002                       |
| Water legislation              | 0PARKP-17                 | 18.01.2016                       |
| Hessian Construction Ordinance | 0PARKP-2                  | 05.09.1968                       |
| Hessian Construction Ordinance | 0PARKP-3                  | 23.06.1970                       |
| Other provisions               | 0PARKP-4                  | 26.08.1971                       |
| Other provisions               | 0PARKP-5                  | 23.09.1971                       |
| Water legislation              | 0PARKP-6                  | 20.01.1972                       |
| Hessian Construction Ordinance | 0PARKP-7                  | 24.09.1973                       |
| Hessian Construction Ordinance | 0PARKP-8                  | 15.11.1973                       |
| Other provisions               | 0PARKP-9                  | 04.03.1983                       |
| Other provisions               | 0PFL-7                    | 11.09.2013;24.08.2016;28.02.2017 |
| Hessian Construction Ordinance | 0ROHRB-1                  | 12.04.1999                       |
| Hessian Construction Ordinance | 0ROHRB-2                  | 22.02.2000                       |
| Hessian Construction Ordinance | 0ROHRB-3                  | 18.09.2000                       |
| Hessian Construction Ordinance | 0ROHRB-4                  | 29.11.2001                       |
| Hessian Construction Ordinance | 0ROHRB-5                  | 16.06.2003                       |
| Hessian Construction Ordinance | 0ROHRB-6                  | 05.09.2008                       |
| Hessian Construction Ordinance | 0ROHRB-7                  | 01.12.2008                       |
| Hessian Construction Ordinance | 0ROHRB-8                  | 30.11.2012                       |
| Hessian Construction Ordinance | 0ROHRB-9                  | 30.06.2014;15.10.2014            |
| Other provisions               | 0SAN-0                    |                                  |
| Other provisions               | 0SAN-1                    | 11.05.1999                       |
| Other provisions               | 0SAN-2                    | 27.02.2004                       |
| Other provisions               | 0SAN-3                    | 02.11.2004                       |
| Other provisions               | 0SAN-4                    | 15.10.2007                       |
| Water legislation              | 0SAN-5                    | 11.09.2008;26.06.2013            |
| Other provisions               | 0SAN-6                    | 26.09.2012                       |
| Hessian Construction Ordinance | 0STR-1                    | 03.08.2000                       |
| Other provisions               | 0STR-10                   | 02.11.2004                       |
| Other provisions               | 0STR-11                   | 13.01.2005                       |
| Hessian Construction Ordinance | 0STR-12                   | 29.05.2007                       |
| Other provisions               | 0STR-15                   | 17.09.2008                       |
| Hessian Construction Ordinance | 0STR-2                    | 29.09.2000                       |
| Other provisions               | 0STR-3                    | 12.09.2001                       |
| Other provisions               | 0STR-4                    | 08.10.2001                       |
| Other provisions               | 0STR-5                    | 12.09.2001                       |
| Other provisions               | 0STR-6                    | 25.03.2003                       |
| Other provisions               | 0STR-7                    | 17.10.2003                       |
| Radiation Protection Act       | 0STV-2                    | 19.06.1997                       |

| Field of law                   | Internal reference number | Date of approval      |
|--------------------------------|---------------------------|-----------------------|
| Radiation Protection Act       | 0STV-3                    | 08.11.1999            |
| Radiation Protection Act       | 0STV-7                    | 15.11.2005            |
| Radiation Protection Act       | 0STV-9                    | 18.06.2010;12.10.2015 |
| Hessian Construction Ordinance | 100Q-1                    | 15.02.2005            |
| Hessian Construction Ordinance | 104M-1                    | 12.12.2012            |
| Hessian Construction Ordinance | 10A-1                     | 15.10.2007            |
| Hessian Construction Ordinance | 10B-2                     | 23.05.2011            |
| Hessian Construction Ordinance | 10G-1                     | 23.01.1997            |
| Hessian Construction Ordinance | 10K-1                     | 28.09.1999;10.11.1999 |
| Water legislation              | 10K-2                     | 09.12.1999            |
| Water legislation              | 10K-3                     | 16.03.2001            |
| Hessian Construction Ordinance | 10L-1                     | 06.05.1987            |
| Hessian Construction Ordinance | 113M-1                    | 10.10.2011            |
| Hessian Construction Ordinance | 114M-1                    | 10.10.2011            |
| Hessian Construction Ordinance | 11A-1                     | 19.10.1960            |
| Hessian Construction Ordinance | 11D-2                     | 14.03.2012            |
| Hessian Construction Ordinance | 11G-1                     | 29.04.1999            |
| Hessian Construction Ordinance | 11K-1                     | 24.05.2004            |
| Hessian Construction Ordinance | 11L-2                     | 24.03.2004            |
| Hessian Construction Ordinance | 12A-1                     | 26.03.1969            |
| Hessian Construction Ordinance | 12A-2                     | 07.03.2013            |
| Hessian Construction Ordinance | 12C-2                     | 22.11.1995            |
| Hessian Construction Ordinance | 12F-1                     | 24.10.1975            |
| Hessian Construction Ordinance | 12G-1                     | 04.11.2002            |
| Hessian Construction Ordinance | 12K-1                     | 11.07.2008            |
| Hessian Construction Ordinance | 12TL-3                    | 15.11.2002            |
| Hessian Construction Ordinance | 13A-1                     | 22.08.1969            |
| Hessian Construction Ordinance | 13A-2                     | 14.09.2004            |
| Hessian Construction Ordinance | 13A-3                     | 20.07.2009            |
| Hessian Construction Ordinance | 13A-4                     | 30.03.2017            |
| Hessian Construction Ordinance | 13E-1                     | 11.09.1975            |
| Hessian Construction Ordinance | 13K-1                     | 28.08.2015            |
| Hessian Construction Ordinance | 14A-1                     | 20.10.1970            |

| Field of law                                     | Internal reference number | Date of approval                 |
|--------------------------------------------------|---------------------------|----------------------------------|
| Hessian Construction Ordinance                   | 14A-2                     | 15.07.1987                       |
| Hessian Construction Ordinance                   | 14A-3                     | 04.05.2006                       |
| Hessian Construction Ordinance                   | 14A-4                     | 03.05.2016;10.06.2016;11.07.2016 |
| Hessian Construction Ordinance                   | 14A-5                     | 07.04.2017;23.05.2017            |
| Hessian Construction Ordinance                   | 14E-2                     | 01.07.2015                       |
| Hessian Construction Ordinance                   | 14F-1                     | 21.05.1992                       |
| Hessian Construction Ordinance                   | 14F-2                     | 29.10.2009                       |
| Hessian Construction Ordinance                   | 15A-2                     | 25.08.1981                       |
| Hessian Construction Ordinance                   | 15A-3                     | 03.03.1983                       |
| Hessian Construction Ordinance                   | 15C-1                     | 05.11.1993                       |
| Hessian Construction Ordinance                   | 15E-1                     | 08.08.1963                       |
| Hessian Construction Ordinance                   | 15F-2                     | 20.11.2002                       |
| Hessian Construction Ordinance                   | 15KL-4                    | 28.01.1992                       |
| Hessian Construction Ordinance                   | 15KL-5                    | 02.02.2009                       |
| Hessian Construction Ordinance                   | 15L-1                     | 01.03.1993                       |
| Hessian Construction Ordinance                   | 16A-1                     | 31.08.1981                       |
| Hessian Construction Ordinance                   | 16A-2                     | 10.01.1989                       |
| Hessian Construction Ordinance                   | 16E-1                     | 19.12.1996                       |
| Hessian Construction Ordinance                   | 16TL-1                    | 11.04.1960                       |
| Other provisions                                 | 16TL-1A                   | 29.07.1960                       |
| Hessian Construction Ordinance                   | 16TL-1B                   | 05.09.1968;21.07.1969            |
| Hessian Construction Ordinance                   | 17E-1                     | 06.08.1992                       |
| Hessian Construction Ordinance                   | 17F-1                     | 21.12.1981                       |
| Hessian Construction Ordinance                   | 17F-2                     |                                  |
| Water legislation;Hessian Construction Ordinance | 17KL-1                    | 18.04.1996                       |
| Hessian Construction Ordinance                   | 17L-1                     | 05.02.2009                       |
| Hessian Construction Ordinance                   | 18E-1                     | 31.10.1966                       |
| Hessian Construction Ordinance                   | 18F-1                     | 18.10.1982                       |
| Hessian Construction Ordinance                   | 18F-2                     | 27.01.2014                       |
| Hessian Construction Ordinance                   | 18KL-1                    | 10.11.2005                       |
| Hessian Construction Ordinance                   | 18L-1                     | 16.03.1998                       |
| Water legislation                                | 18L-2                     | 08.07.2014                       |
| Other provisions                                 | 19A-1A                    | 15.03.1995                       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | 19A-3                     | 10.05.2001       |
| Hessian Construction Ordinance | 19C-1                     | 25.02.1994       |
| Hessian Construction Ordinance | 19KL-1                    | 10.11.2005       |
| Hessian Construction Ordinance | 19TL-2                    | 28.04.2000       |
| Hessian Construction Ordinance | 1A-1                      | 25.09.2006       |
| Hessian Construction Ordinance | 1B-3                      | 29.11.2013       |
| Hessian Construction Ordinance | 1C-1                      | 27.09.2000       |
| Hessian Construction Ordinance | 1D-1                      | 20.03.1962       |
| Hessian Construction Ordinance | 1D-3                      | 09.10.1997       |
| Hessian Construction Ordinance | 1E-1                      | 20.05.1999       |
| Hessian Construction Ordinance | 1E-2                      | 09.03.2004       |
| Hessian Construction Ordinance | 1F-2                      | 05.04.1994       |
| Hessian Construction Ordinance | 1F-3                      | 27.11.1997       |
| Hessian Construction Ordinance | 1FH-1                     | 24.09.2008       |
| Water legislation              | 1FH-2                     | 07.11.2008       |
| Hessian Construction Ordinance | 1FK-1                     | 07.05.2008       |
| Hessian Construction Ordinance | 1FK-2                     | 20.07.2009       |
| Hessian Construction Ordinance | 1FM-1                     | 24.09.1998       |
| Hessian Construction Ordinance | 1K-1                      | 22.10.1968       |
| Hessian Construction Ordinance | 1K-1A                     | 26.08.1976       |
| Water legislation              | 1K-2                      | 28.07.1978       |
| Hessian Construction Ordinance | 1K-3                      | 28.04.2000       |
| Water legislation              | 1K-4                      | 09.12.2009       |
| Water legislation              | 1K-5                      | 16.04.2013       |
| Hessian Construction Ordinance | 1L-1                      | 09.08.2001       |
| Hessian Construction Ordinance | 1LK-1                     | 26.05.1986       |
| Hessian Construction Ordinance | 1TL-1                     | 15.09.1961       |
| Water legislation              | 1TL-5                     | 15.04.1997       |
| Water legislation              | 1TL-6                     | 21.06.2005       |
| Operating Safety Ordinance     | 1TL-7                     | 21.12.2005       |
| Hessian Construction Ordinance | 1TL-8                     | 18.09.2007       |
| Water legislation              | 1TL-9                     | 28.03.2007       |
| Hessian Construction Ordinance | 200N-1                    | 27.06.2011       |
| Hessian Construction Ordinance | 200N-2                    | 12.06.2013       |
| Hessian Construction Ordinance | 201M-1                    | 23.05.2000       |
| Hessian Construction           | 202M-1                    | 31.10.2001       |

| Field of law                        | Internal reference number | Date of approval |
|-------------------------------------|---------------------------|------------------|
| Ordinance                           |                           |                  |
| Hessian Construction Ordinance      | 203M-1                    | 20.10.2005       |
| Hessian Construction Ordinance      | 20A-1                     | 06.05.1987       |
| Hessian Construction Ordinance      | 20A-2                     | 27.06.1997       |
| Hessian Construction Ordinance      | 20C-10                    | 13.05.2005       |
| Federal Pollution Control Act (WHG) | 20C-11                    | 18.09.2007       |
| Federal Pollution Control Act       | 20C-11                    | 18.09.2007       |
| Hessian Construction Ordinance      | 20C-2                     | 27.10.1977       |
| Hessian Construction Ordinance      | 20C-3                     | 26.06.1996       |
| Water legislation                   | 20C-5                     | 17.04.1997       |
| Water legislation                   | 20C-9                     | 01.12.2003       |
| Federal Pollution Control Act       | 20C-V1                    | 06.07.2016       |
| Hessian Construction Ordinance      | 20E-1                     | 27.10.1980       |
| Hessian Construction Ordinance      | 20E-2                     | 13.07.1989       |
| Hessian Construction Ordinance      | 20E-3                     | 20.10.2005       |
| Hessian Construction Ordinance      | 20F-2                     | 15.01.1992       |
| Hessian Construction Ordinance      | 20KL-1                    | 21.01.1985       |
| Hessian Construction Ordinance      | 20KL-2                    | 23.05.1990       |
| Water legislation                   | 20L-2                     | 03.05.2002       |
| Hessian Construction Ordinance      | 21C-1                     | 27.09.2010       |
| Hessian Construction Ordinance      | 21D-1                     | 26.07.1995       |
| Hessian Construction Ordinance      | 21F-1                     | 15.06.1989       |
| Hessian Construction Ordinance      | 21G-2                     | 22.01.2010       |
| Hessian Construction Ordinance      | 21L-1                     | 24.01.2001       |
| Hessian Construction Ordinance      | 22A-1                     | 25.10.1995       |
| Hessian Construction Ordinance      | 22D-1                     | 25.10.2000       |
| Hessian Construction Ordinance      | 22E-1                     | 27.06.1995       |
| Hessian Construction Ordinance      | 22F-1                     | 16.03.2000       |
| Hessian Construction Ordinance      | 22F-2                     | 28.06.2001       |
| Hessian Construction Ordinance      | 22F-3                     | 19.04.2004       |
| Hessian Construction Ordinance      | 22G-2                     | 16.11.2011       |
| Hessian Construction Ordinance      | 22TL-4                    | 16.07.1997       |
| Hessian Construction Ordinance      | 23A-1                     | 22.08.1969       |
| Hessian Construction Ordinance      | 23A-2                     | 25.03.1981       |

| Field of law                                     | Internal reference number | Date of approval |
|--------------------------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance                   | 23A-3                     | 30.08.2006       |
| Hessian Construction Ordinance                   | 23G-2                     | 18.11.2011       |
| Water legislation;Hessian Construction Ordinance | 23TL-1                    | 21.09.1988       |
| Water legislation                                | 23TL-1B                   | 30.10.1990       |
| Water legislation;Hessian Construction Ordinance | 23TL-2                    | 15.04.1993       |
| Hessian Construction Ordinance                   | 23TL-3                    | 28.09.2009       |
| Hessian Construction Ordinance                   | 23TL-4                    | 02.10.2015       |
| Hessian Construction Ordinance                   | 24C-6                     | 20.01.1993       |
| Hessian Construction Ordinance                   | 24D-1                     | 20.02.2008       |
| Hessian Construction Ordinance                   | 25A-1                     | 25.07.2007       |
| Hessian Construction Ordinance                   | 25E-1                     | 10.12.2001       |
| Hessian Construction Ordinance                   | 26A-1                     | 25.07.2007       |
| Hessian Construction Ordinance                   | 26C-2                     | 07.05.1993       |
| Hessian Construction Ordinance                   | 26D-9                     | 17.07.2003       |
| Hessian Construction Ordinance                   | 26E-2                     | 15.03.2003       |
| Hessian Construction Ordinance                   | 28A-1                     | 22.06.2016       |
| Hessian Construction Ordinance                   | 28A-3                     | 22.08.1969       |
| Hessian Construction Ordinance                   | 28A-4                     | 25.03.1981       |
| Hessian Construction Ordinance                   | 28A-5                     | 30.08.2006       |
| Hessian Construction Ordinance                   | 28E-1                     | 16.01.2006       |
| Hessian Construction Ordinance                   | 298M-1                    | 24.11.2000       |
| Water legislation                                | 298M-2                    | 11.09.2001       |
| Hessian Construction Ordinance                   | 29D-10                    | 17.06.2002       |
| Hessian Construction Ordinance                   | 2A-1                      | 18.11.1999       |
| Hessian Construction Ordinance                   | 2B-1                      | 11.02.1983       |
| Trade Regulation Act                             | 2C-1                      | 05.01.1960       |
| Hessian Construction Ordinance                   | 2C-10                     | 19.07.1995       |
| Hessian Construction Ordinance                   | 2C-11                     | 23.04.1996       |
| Water legislation                                | 2C-13                     | 17.12.1996       |
| Steam Boiler Ordinance                           | 2C-14                     | 30.04.1997       |
| Hessian Construction Ordinance                   | 2C-16                     | 09.12.2002       |
| Hessian Construction Ordinance                   | 2C-17                     | 04.09.2006       |
| Federal Pollution Control Act                    | 2C-18                     | 24.10.2006       |
| Hessian Construction                             | 2C-19                     | 15.01.2007       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                                                                              | Internal reference number | Date of approval       |
|-------------------------------------------------------------------------------------------|---------------------------|------------------------|
| Ordinance                                                                                 |                           |                        |
| Operating Safety Ordinance                                                                | 2C-20                     | 20.04.2007             |
| Federal Pollution Control Act                                                             | 2C-21                     | 21.08.2012             |
| Hessian Construction Ordinance; Federal Pollution Control Act                             | 2C-22                     | 30.10.2013; 06.02.2014 |
| Operating Safety Ordinance (Betriebssicherheitsverordnung); Federal Pollution Control Act | 2C-23                     | 26.03.2015             |
| Federal Pollution Control Act                                                             | 2C-24                     | 24.11.2016             |
| Steam Boiler Ordinance                                                                    | 2C-3                      | 31.05.1967             |
| Steam Boiler Ordinance; Trade Regulation Act                                              | 2C-4                      | 02.07.1969             |
| Federal Pollution Control Act                                                             | 2C-5                      | 10.03.1986             |
| Hessian Construction Ordinance                                                            | 2C-7                      | 28.10.1992             |
| Water legislation                                                                         | 2C-8                      | 30.11.1992             |
| Federal Pollution Control Act; Steam Boiler Ordinance                                     | 2C-9                      | 13.07.1995             |
| Hessian Construction Ordinance                                                            | 2C-9A                     | 13.07.1995             |
| Federal Pollution Control Act                                                             | 2C-A1                     | 10.07.2007             |
| Federal Pollution Control Act                                                             | 2C-A2                     | 16.12.2016             |
| Federal Pollution Control Act                                                             | 2C-V1                     | 27.05.2013             |
| Hessian Construction Ordinance                                                            | 2E-1                      | 29.03.1955             |
| Hessian Construction Ordinance                                                            | 2E-2                      |                        |
| Hessian Construction Ordinance                                                            | 2E-3                      | 03.03.2011             |
| Hessian Construction Ordinance                                                            | 2E-4                      | 27.12.2016             |
| Hessian Construction Ordinance                                                            | 2F-1                      | 21.02.1964             |
| Hessian Construction Ordinance                                                            | 2G-1                      | 29.06.1982             |
| Hessian Construction Ordinance                                                            | 2G-3                      | 15.07.1998             |
| Hessian Construction Ordinance                                                            | 2K-1                      | 27.01.1999             |
| Hessian Construction Ordinance                                                            | 2L-2                      | 26.02.1992             |
| Hessian Construction Ordinance                                                            | 2L-3                      | 28.09.2005             |
| Hessian Construction Ordinance                                                            | 2LF-1                     | 18.12.2007             |
| Hessian Construction Ordinance                                                            | 2LK-1                     | 28.09.2007             |
| Hessian Construction Ordinance                                                            | 2LL-1                     | 29.11.2002             |
| Hessian Construction Ordinance                                                            | 305M-2                    | 23.12.2005             |
| Hessian Construction Ordinance                                                            | 30F-3                     | 13.01.2016             |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | 30G-1                     | 17.06.2002       |
| Hessian Construction Ordinance | 35C-1                     | 29.02.2008       |
| Hessian Construction Ordinance | 35D-1                     | 22.01.2007       |
| Hessian Construction Ordinance | 35F-1                     | 10.07.2006       |
| Hessian Construction Ordinance | 36F-1                     | 13.12.2004       |
| Hessian Construction Ordinance | 36G-1                     | 08.06.2005       |
| Hessian Construction Ordinance | 37F-1                     | 11.07.2006       |
| Hessian Construction Ordinance | 37F-2                     |                  |
| Hessian Construction Ordinance | 37G-1                     | 04.09.2006       |
| Hessian Construction Ordinance | 38G-1                     | 06.02.2007       |
| Hessian Construction Ordinance | 38G-2                     | 18.07.2013       |
| Hessian Construction Ordinance | 399M-1                    | 24.09.1999       |
| Hessian Construction Ordinance | 39F-1                     | 15.10.2007       |
| Hessian Construction Ordinance | 39G-1                     | 06.02.2008       |
| Hessian Construction Ordinance | 39G-2                     |                  |
| Hessian Construction Ordinance | 39KL-1                    | 02.10.2015       |
| Hessian Construction Ordinance | 3B-1                      |                  |
| Railway Act                    | 3B-2                      | 03.07.2015       |
| Hessian Construction Ordinance | 3F-1                      | 17.09.1968       |
| Hessian Construction Ordinance | 3F-2                      | 23.06.2008       |
| Water legislation              | 3F-3                      | 09.12.2009       |
| Hessian Construction Ordinance | 3G-1                      | 18.02.1975       |
| Other provisions               | 3KL-1                     | 30.10.1975       |
| Hessian Construction Ordinance | 3KL-2                     | 27.02.1989       |
| Other provisions               | 3KL-3                     | 23.01.2017       |
| Hessian Construction Ordinance | 3L-2                      | 07.05.1996       |
| Hessian Construction Ordinance | 3L-3                      | 16.06.1998       |
| Hessian Construction Ordinance | 3L-4                      | 19.09.2005       |
| Hessian Construction Ordinance | 3LF-1                     | 04.08.2010       |
| Trade Regulation Act           | 4/5G-1                    | 14.03.1967       |
| Hessian Construction Ordinance | 402M-1                    | 30.07.1997       |
| Hessian Construction Ordinance | 402M-2                    | 13.01.2014       |
| Hessian Construction Ordinance | 404M-2                    | 21.02.2012       |
| Hessian Construction Ordinance | 40C-4                     | 10.05.2001       |
| Hessian Construction           | 40C-5                     | 27.05.2002       |

| Field of law                   | Internal reference number | Date of approval       |
|--------------------------------|---------------------------|------------------------|
| Ordinance                      |                           |                        |
| Hessian Construction Ordinance | 40F-1                     | 16.06.2011             |
| Hessian Construction Ordinance | 40G-1                     | 25.08.2008             |
| Hessian Construction Ordinance | 40G-2                     |                        |
| Hessian Construction Ordinance | 41C-1                     | 09.09.2003             |
| Hessian Construction Ordinance | 41G-1                     |                        |
| Hessian Construction Ordinance | 42F-1                     | 14.12.2016             |
| Hessian Construction Ordinance | 42G-1                     | 08.06.2015             |
| Hessian Construction Ordinance | 43F-1                     | 15.04.2016             |
| Hessian Construction Ordinance | 44F-1                     | 02.05.2016             |
| Hessian Construction Ordinance | 45F-1                     | 05.09.2016             |
| Hessian Construction Ordinance | 498M-2                    |                        |
| Hessian Construction Ordinance | 499M-1                    | 28.05.1993             |
| Water legislation              | 499M-2                    | 16.04.2013             |
| Hessian Construction Ordinance | 4A-1                      | 08.08.1983; 17.12.1984 |
| Hessian Construction Ordinance | 4A-2                      | 01.02.1989             |
| Hessian Construction Ordinance | 4A-3                      | 11.02.1991             |
| Hessian Construction Ordinance | 4A-4                      | 23.05.1996             |
| Hessian Construction Ordinance | 4A-5                      | 12.12.2006             |
| Hessian Construction Ordinance | 4B-1                      | 20.01.1993             |
| Hessian Construction Ordinance | 4F-2                      | 07.08.2000             |
| Hessian Construction Ordinance | 4G-2                      | 11.12.1979             |
| Hessian Construction Ordinance | 4G-4                      | 02.07.1999             |
| Hessian Construction Ordinance | 4K-2                      | 16.09.2011             |
| Hessian Construction Ordinance | 4KL-2                     | 13.09.2017             |
| Hessian Construction Ordinance | 5/7F-12                   | 02.02.2009             |
| Hessian Construction Ordinance | 5/7F-1A                   | 27.01.1967             |
| Hessian Construction Ordinance | 501M-1                    | 02.07.1991             |
| Hessian Construction Ordinance | 501M-2                    | 25.01.1999             |
| Hessian Construction Ordinance | 501M-3                    | 03.03.2004             |
| Hessian Construction Ordinance | 502M-1                    | 02.07.1991; 30.11.2009 |
| Hessian Construction Ordinance | 503M-1                    | 19.06.1996             |
| Hessian Construction Ordinance | 504M-1                    | 25.05.1999             |



**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval      |
|--------------------------------|---------------------------|-----------------------|
| Hessian Construction Ordinance | 505M-1                    | 20.09.2002            |
| Hessian Construction Ordinance | 507M-1                    | 21.07.2003            |
| Hessian Construction Ordinance | 508M-1                    | 10.05.2006            |
| Hessian Construction Ordinance | 50G-1                     | 25.09.2017;05.10.2017 |
| Hessian Construction Ordinance | 5A-1                      | 25.09.2006            |
| Hessian Construction Ordinance | 5B-2                      | 26.06.1997            |
| Hessian Construction Ordinance | 5B-3                      | 16.07.1997            |
| Hessian Construction Ordinance | 5G-2                      | 29.02.2000            |
| Hessian Construction Ordinance | 5K-1                      | 24.03.1999            |
| Hessian Construction Ordinance | 5L-1                      | 06.08.1985            |
| Hessian Construction Ordinance | 600M-1                    | 01.12.1997            |
| Hessian Construction Ordinance | 6A-1                      | 25.09.2006            |
| Hessian Construction Ordinance | 6E-1                      | 18.01.1960            |
| Hessian Construction Ordinance | 6E-2                      | 03.11.1971            |
| Hessian Construction Ordinance | 6F-1                      | 18.03.1966            |
| Hessian Construction Ordinance | 6F-2                      | 09.09.1971            |
| Hessian Construction Ordinance | 6F-4                      | 16.07.1985            |
| Hessian Construction Ordinance | 6F-5                      | 01.10.1986            |
| Hessian Construction Ordinance | 6F-7                      | 06.10.1998            |
| Hessian Construction Ordinance | 6F-8                      | 29.09.1999;08.11.1999 |
| Hessian Construction Ordinance | 6F-9                      | 29.03.2007;21.05.2007 |
| Hessian Construction Ordinance | 6G-1                      | 13.09.1967            |
| Hessian Construction Ordinance | 6G-10                     | 26.08.2003            |
| Hessian Construction Ordinance | 6G-11                     | 17.12.2003            |
| Hessian Construction Ordinance | 6G-12                     | 14.10.2004            |
| Hessian Construction Ordinance | 6G-13                     | 29.09.2005            |
| Hessian Construction Ordinance | 6G-14                     | 14.02.2008            |
| Hessian Construction Ordinance | 6G-15                     | 25.10.2010            |
| Hessian Construction Ordinance | 6G-16                     | 25.10.2010            |
| Hessian Construction Ordinance | 6G-17                     | 16.03.2011            |
| Hessian Construction Ordinance | 6G-2                      | 09.07.1968            |
| Hessian Construction Ordinance | 6G-3                      | 15.10.1968            |
| Hessian Construction           | 6G-4                      | 09.06.1970            |

| Field of law                                                                                              | Internal reference number | Date of approval |
|-----------------------------------------------------------------------------------------------------------|---------------------------|------------------|
| Ordinance                                                                                                 |                           |                  |
| Hessian Construction Ordinance                                                                            | 6G-8                      | 23.08.1995       |
| Hessian Construction Ordinance                                                                            | 6G-9                      | 18.11.1999       |
| Hessian Construction Ordinance                                                                            | 6L-2                      | 04.09.2006       |
| Hessian Construction Ordinance                                                                            | 7A-1                      | 25.09.2006       |
| Hessian Construction Ordinance                                                                            | 7B/8B-2                   | 09.09.1997       |
| Hessian Construction Ordinance                                                                            | 7C-1                      | 22.11.1995       |
| Hessian Construction Ordinance                                                                            | 7D-1                      | 25.09.2008       |
| Hessian Construction Ordinance                                                                            | 7D-2                      | 10.03.2009       |
| Hessian Construction Ordinance                                                                            | 7D-3                      | 12.10.2009       |
| Hessian Construction Ordinance                                                                            | 7E-18                     | 01.07.2015       |
| Hessian Construction Ordinance                                                                            | 7KL-2                     |                  |
| Hessian Construction Ordinance                                                                            | 8A-1                      | 29.02.2000       |
| Hessian Construction Ordinance                                                                            | 8D-1                      | 23.12.2010       |
| Hessian Construction Ordinance                                                                            | 8F-1                      |                  |
| Hessian Construction Ordinance                                                                            | 8KL-1                     |                  |
| Hessian Construction Ordinance                                                                            | 8KL-2                     |                  |
| Hessian Construction Ordinance                                                                            | 8L-1                      | 30.07.1996       |
| Hessian Construction Ordinance                                                                            | 8L-2                      |                  |
| Hessian Construction Ordinance                                                                            | 9/10D-1                   | 09.08.1956       |
| Federal Pollution Control Act;Water legislation;Hessian Construction Ordinance;Operating Safety Ordinance | 90D-1                     | 11.03.2013       |
| Federal Pollution Control Act                                                                             | 90D-2                     | 02.05.2017       |
| Hessian Construction Ordinance                                                                            | 98E-1                     | 19.05.2016       |
| Hessian Construction Ordinance                                                                            | 99D-1                     | 21.05.2008       |
| Water legislation                                                                                         | 99D-2                     | 09.12.2009       |
| Hessian Construction Ordinance                                                                            | 99E-1                     | 09.06.2005       |
| Water legislation                                                                                         | 99E-2                     | 09.12.2009       |
| Hessian Construction Ordinance                                                                            | 99K-1                     | 23.12.2008       |
| Water legislation                                                                                         | 99L-2                     | 09.12.2009       |
| Hessian Construction Ordinance                                                                            | 9D-1                      | 12.10.2009       |
| Hessian Construction Ordinance                                                                            | 9E-4                      | 05.07.1984       |
| Hessian Construction Ordinance                                                                            | 9E-5                      | 21.02.2012       |
| Hessian Construction                                                                                      | 9G-1                      | 09.12.1985       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | 9G-2                      | 12.07.1989       |
| Hessian Construction Ordinance | 9G-3                      | 21.10.2002       |
| Federal Pollution Control Act  | TRIPTIS-A1                | 15.12.2011       |

**II. Status: Expired**

| Field of law                     | Internal reference number | Date of approval |
|----------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance   | A100-1                    | 27.12.1971       |
| Hessian Construction Ordinance   | A101/6-1                  | 30.09.1971       |
| Hessian Construction Ordinance   | A101-1                    | 30.09.1971       |
| Hessian Construction Ordinance   | A102-1                    | 30.09.1971       |
| Hessian Construction Ordinance   | A103-1                    | 30.09.1971       |
| Hessian Construction Ordinance   | A104-1                    | 30.09.1971       |
| Hessian Construction Ordinance   | A105-1                    | 30.09.1971       |
| Hessian Construction Ordinance   | A106-1                    | 30.09.1971       |
| Hessian Construction Ordinance   | A107-1                    | 24.02.1972       |
| Hessian Construction Ordinance   | A107-2                    | 12.12.1977       |
| Hessian Construction Ordinance   | A107-3                    | 13.09.2002       |
| Hessian Construction Ordinance   | A108-1                    | 03.09.1974       |
| Hessian Construction Ordinance   | A108-2                    | 09.02.1976       |
| Hessian Construction Ordinance   | A110-1                    | 16.08.1976       |
| Hessian Construction Ordinance   | A111-1                    | 15.08.1997       |
| Hessian Construction Ordinance   | A12-1                     | 24.06.1950       |
| Hessian Construction Ordinance   | A15-1                     | 04.12.1929       |
| Hessian Construction Ordinance   | A15-2                     | 31.01.1967       |
| Regulation inflammable materials | A15-3                     | 03.01.1995       |
| Hessian Construction Ordinance   | A16-1                     | 08.06.1925       |
| Water legislation                | A22-1                     | 27.09.1938       |
| Hessian Construction Ordinance   | A22-2                     | 10.01.1939       |
| Hessian Construction Ordinance   | A22-3                     | 10.01.1939       |
| Hessian Construction Ordinance   | A26-1                     | 24.03.1981       |
| Water legislation                | A3/17-3                   | 10.05.1903       |
| Water legislation                | A3/17-5                   | 21.08.1929       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                     | Internal reference number | Date of approval                 |
|----------------------------------|---------------------------|----------------------------------|
| Hessian Construction Ordinance   | A32-1                     | 13.10.1955                       |
| Hessian Construction Ordinance   | A36-1                     | 11.08.1965                       |
| Regulation inflammable materials | A36-2                     | 27.08.1980                       |
| Hessian Construction Ordinance   | A36-3                     | 05.11.1979                       |
| Federal Pollution Control Act    | A36-4                     | 19.07.1994                       |
| Regulation inflammable materials | A36-5                     | 26.02.1999                       |
| Water legislation                | A36-6                     | 29.09.1999                       |
| Water legislation                | A36-7                     |                                  |
| Hessian Construction Ordinance   | A36-8                     | 19.11.2003                       |
| Water legislation                | A36-9                     | 09.10.2006                       |
| Federal Pollution Control Act    | A36-V1                    | 01.11.1998                       |
| Hessian Construction Ordinance   | A38-1                     | 06.03.1972                       |
| Hessian Construction Ordinance   | A38-2                     | 03.12.1986                       |
| Federal Pollution Control Act    | A38-3                     | 11.03.1993                       |
| Regulation inflammable materials | A38-4                     | 27.08.1980                       |
| Water legislation                | A38-5                     | 02.09.1994                       |
| Hessian Construction Ordinance   | A38-6                     | 24.06.1998                       |
| Water legislation                | A38-7                     | 08.06.2000                       |
| Water legislation                | A39-2                     | 13.06.1990                       |
| Hessian Construction Ordinance   | A39-4                     | 11.11.1993                       |
| Hessian Construction Ordinance   | A40-1                     | 27.07.1977                       |
| Hessian Construction Ordinance   | A45-1                     | 27.07.1977                       |
| Hessian Construction Ordinance   | A48-1                     | 19.01.1988                       |
| Hessian Construction Ordinance   | A5-1                      | 19.08.1909                       |
| Regulation inflammable materials | A56-1A                    | 27.10.1975                       |
| Hessian Construction Ordinance   | A6-1                      | 06.11.1931                       |
| Water legislation                | ABW-1                     | 25.11.1994                       |
| Water legislation                | ABW-10.1                  | 21.06.2011;10.09.2012;02.12.2013 |
| Water legislation                | ABW-10.2                  | 22.08.2011                       |
| Water legislation                | ABW-3                     | 25.05.1998                       |
| Water legislation                | ABW-4                     | 27.03.2000                       |
| Water legislation                | ABW-5                     | 12.10.2000                       |
| Water legislation                | ABW-7                     | 22.07.2002                       |
| Water legislation                | ABW-8                     | 01.11.2004                       |
| Water legislation                | ABW-8.1                   | 06.05.2005                       |
| Water legislation                | ABW-8.2                   | 08.08.2006                       |
| Water legislation                | ABW-8.3                   | 02.06.2008                       |
| Water legislation                | ABW-8.4                   | 30.09.2008                       |
| Water legislation                | ABW-8.5                   | 28.01.2011                       |
| Water legislation                | ABW-8.6                   | 27.07.2009                       |

| Field of law      | Internal reference number | Date of approval |
|-------------------|---------------------------|------------------|
| Water legislation | ABW-8.7                   | 20.04.2010       |
| Water legislation | ABWAS-1                   | 26.03.1984       |
| Other provisions  | ARBZG-1                   | 14.03.2000       |
| Other provisions  | ARBZG-10                  | 25.09.2001       |
| Other provisions  | ARBZG-102                 | 25.05.2012       |
| Other provisions  | ARBZG-11                  | 27.09.2001       |
| Other provisions  | ARBZG-12                  | 02.10.2001       |
| Other provisions  | ARBZG-13                  | 02.10.2001       |
| Other provisions  | ARBZG-14                  | 28.09.2001       |
| Other provisions  | ARBZG-15                  | 01.10.2001       |
| Other provisions  | ARBZG-17                  | 19.03.2002       |
| Other provisions  | ARBZG-18                  | 20.12.2001       |
| Other provisions  | ARBZG-19                  | 11.01.2002       |
| Other provisions  | ARBZG-20                  | 14.02.2002       |
| Other provisions  | ARBZG-21                  | 17.04.2002       |
| Other provisions  | ARBZG-22                  | 10.10.2002       |
| Other provisions  | ARBZG-25                  | 16.05.2003       |
| Other provisions  | ARBZG-26                  | 23.05.2003       |
| Other provisions  | ARBZG-28                  | 17.10.2003       |
| Other provisions  | ARBZG-29                  | 30.10.2003       |
| Other provisions  | ARBZG-30                  | 15.12.2003       |
| Other provisions  | ARBZG-31                  | 15.12.2003       |
| Other provisions  | ARBZG-32                  | 18.12.2003       |
| Other provisions  | ARBZG-34                  | 22.04.2004       |
| Other provisions  | ARBZG-35                  | 30.04.2004       |
| Other provisions  | ARBZG-36                  | 30.04.2004       |
| Other provisions  | ARBZG-37                  | 01.06.2004       |
| Other provisions  | ARBZG-38                  | 20.08.2004       |
| Other provisions  | ARBZG-39                  | 01.09.2004       |
| Other provisions  | ARBZG-4                   | 23.06.2000       |
| Other provisions  | ARBZG-42                  | 08.10.2004       |
| Other provisions  | ARBZG-43                  | 04.03.2005       |
| Other provisions  | ARBZG-44                  | 22.03.2005       |
| Other provisions  | ARBZG-45                  | 15.04.2005       |
| Other provisions  | ARBZG-46                  | 07.10.2005       |
| Other provisions  | ARBZG-47                  | 25.04.2005       |
| Other provisions  | ARBZG-48                  | 28.10.2005       |
| Other provisions  | ARBZG-49                  | 01.12.2005       |
| Other provisions  | ARBZG-5                   | 29.08.2000       |
| Other provisions  | ARBZG-50                  | 17.02.2006       |
| Other provisions  | ARBZG-51                  | 10.03.2006       |
| Other provisions  | ARBZG-52                  | 24.03.2006       |
| Other provisions  | ARBZG-53                  | 05.10.2006       |
| Other provisions  | ARBZG-54                  | 11.01.2006       |
| Other provisions  | ARBZG-55                  | 16.03.2007       |
| Other provisions  | ARBZG-56                  | 05.04.2007       |
| Other provisions  | ARBZG-57                  | 08.05.2007       |
| Other provisions  | ARBZG-58                  | 29.06.2007       |
| Other provisions  | ARBZG-6                   | 09.02.2001       |
| Other provisions  | ARBZG-60                  | 12.10.2007       |
| Other provisions  | ARBZG-61                  | 19.02.2008       |
| Other provisions  | ARBZG-62                  | 25.04.2008       |
| Other provisions  | ARBZG-63                  | 30.04.2008       |
| Other provisions  | ARBZG-64                  | 08.08.2008       |
| Other provisions  | ARBZG-65                  | 10.10.2008       |
| Other provisions  | ARBZG-66                  | 10.10.2008       |
| Other provisions  | ARBZG-68                  | 12.12.2008       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Other provisions               | ARBZG-69                  | 30.04.2009       |
| Other provisions               | ARBZG-7                   | 26.03.2001       |
| Other provisions               | ARBZG-70                  | 19.05.2009       |
| Other provisions               | ARBZG-71                  | 27.05.2009       |
| Other provisions               | ARBZG-72                  |                  |
| Other provisions               | ARBZG-73                  | 29.09.2009       |
| Other provisions               | ARBZG-74                  | 02.10.2009       |
| Other provisions               | ARBZG-75                  | 27.11.2009       |
| Other provisions               | ARBZG-76                  | 25.03.2010       |
| Other provisions               | ARBZG-77                  | 17.05.2010       |
| Other provisions               | ARBZG-79                  | 21.05.2010       |
| Other provisions               | ARBZG-8                   | 30.03.2001       |
| Other provisions               | ARBZG-80                  | 21.06.2010       |
| Other provisions               | ARBZG-81                  | 24.06.2010       |
| Other provisions               | ARBZG-82                  | 24.09.2010       |
| Other provisions               | ARBZG-83                  | 01.10.2010       |
| Other provisions               | ARBZG-84                  | 21.10.2010       |
| Other provisions               | ARBZG-85                  | 05.11.2010       |
| Other provisions               | ARBZG-86                  | 19.04.2011       |
| Other provisions               | ARBZG-87                  | 21.04.2011       |
| Other provisions               | ARBZG-91                  | 01.06.2011       |
| Other provisions               | ARBZG-93                  | 29.09.2011       |
| Other provisions               | ARBZG-94                  | 29.09.2011       |
| Other provisions               | ARBZG-95                  | 29.09.2011       |
| Other provisions               | ARBZG-98                  | 27.04.2012       |
| Hessian Construction Ordinance | B10-1                     | 23.11.1908       |
| Hessian Construction Ordinance | B10-10                    | 06.02.2006       |
| Hessian Construction Ordinance | B10-11                    | 13.10.2011       |
| Hessian Construction Ordinance | B10-12                    | 05.07.2012       |
| Hessian Construction Ordinance | B10-13                    | 06.06.2013       |
| Hessian Construction Ordinance | B10-2                     | 21.05.1913       |
| Hessian Construction Ordinance | B10-3                     |                  |
| Hessian Construction Ordinance | B10-4                     | 24.11.1952       |
| Hessian Construction Ordinance | B10-5                     | 07.12.1962       |
| Hessian Construction Ordinance | B10-6                     | 11.11.1969       |
| Hessian Construction Ordinance | B10-7                     | 11.09.1968       |
| Hessian Construction Ordinance | B10-8                     | 18.12.1986       |
| Other provisions               | B10-9                     | 25.08.1998       |
| Hessian Construction Ordinance | B1-1                      | 03.08.1937       |
| Hessian Construction Ordinance | B1-2                      | 11.08.1965       |
| Hessian Construction Ordinance | B13-1                     | 14.05.1954       |
| Hessian Construction Ordinance | B13-2                     | 01.04.1959       |
| Hessian Construction Ordinance | B13-3                     | 19.03.1964       |
| Hessian Construction           | B20-1                     | 19.12.1995       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                     | Internal reference number | Date of approval |
|----------------------------------|---------------------------|------------------|
| Ordinance                        |                           |                  |
| Hessian Construction Ordinance   | B22-1                     | 20.05.1933       |
| Water legislation                | B22-10                    | 08.01.1997       |
| Hessian Construction Ordinance   | B22-11                    | 17.12.1999       |
| Regulation inflammable materials | B22-1A                    | 16.10.1933       |
| Water legislation                | B22-2                     | 31.07.1933       |
| Hessian Construction Ordinance   | B22-3                     | 18.08.1986       |
| Water legislation                | B22-3A                    | 16.01.1973       |
| Regulation inflammable materials | B22-4                     | 04.11.1986       |
| Hessian Construction Ordinance   | B22-5                     | 27.06.1995       |
| Regulation inflammable materials | B22-6                     | 13.02.1995       |
| Water legislation                | B22-7                     | 14.03.1996       |
| Hessian Construction Ordinance   | B22-8                     | 14.11.1995       |
| Hessian Construction Ordinance   | B22-9                     | 11.03.1996       |
| Hessian Construction Ordinance   | B23-1                     | 23.04.1940       |
| Hessian Construction Ordinance   | B4-5                      | 17.03.1942       |
| Hessian Construction Ordinance   | B5-1                      | 25.07.1995       |
| Hessian Construction Ordinance   | B5-2                      | 20.05.1998       |
| Hessian Construction Ordinance   | B5-4                      | 10.10.2002       |
| Hessian Construction Ordinance   | B5-5                      | 09.07.2014       |
| Hessian Construction Ordinance   | B6/7-1                    | 23.03.1905       |
| Hessian Construction Ordinance   | B6/7-2                    | 13.07.1905       |
| Hessian Construction Ordinance   | B70-1                     | 01.12.1998       |
| Hessian Construction Ordinance   | B9-1                      | 06.08.1938       |
| Hessian Construction Ordinance   | B9-2                      | 03.09.1938       |
| Water legislation                | B9-3                      | 09.05.1939       |
| Other provisions                 | BIO3-1                    |                  |
| Hessian Construction Ordinance   | C3-1                      | 09.09.1937       |
| Hessian Construction Ordinance   | C3-3                      | 15.05.1970       |
| Hessian Construction Ordinance   | C3-3A                     | 10.06.1992       |
| Hessian Construction Ordinance   | C3-4                      | 22.01.1997       |
| Trade Regulation Act             | C4-1                      | 31.10.1938       |
| Hessian Construction Ordinance   | C4-2                      | 01.02.1939       |
| Hessian Construction Ordinance   | C5-1                      | 17.01.1940       |
| Hessian Construction Ordinance   | C5-2                      | 16.04.1943       |
| Hessian Construction Ordinance   | C8-1                      | 10.06.1992       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | D10-1                     | 30.06.1910       |
| Hessian Construction Ordinance | D10-2                     | 08.10.1946       |
| Hessian Construction Ordinance | D1-1                      | 11.09.1902       |
| Hessian Construction Ordinance | D12-1                     | 05.04.1903       |
| Hessian Construction Ordinance | D12-2                     | 06.05.1911       |
| Hessian Construction Ordinance | D17-1                     | 25.09.1923       |
| Hessian Construction Ordinance | D19-1                     | 23.07.2015       |
| Hessian Construction Ordinance | D2-1                      | 11.09.1902       |
| Hessian Construction Ordinance | D21-1                     | 24.03.1981       |
| Hessian Construction Ordinance | D22-1                     | 17.09.1987       |
| Hessian Construction Ordinance | D24-1                     | 06.09.1933       |
| Hessian Construction Ordinance | D24-2                     | 12.02.1948       |
| Hessian Construction Ordinance | D25-1                     | 21.08.1954       |
| Water legislation              | D25-2                     | 27.09.2001       |
| Hessian Construction Ordinance | D25-4                     | 08.01.2002       |
| Hessian Construction Ordinance | D26-1                     | 04.03.1992       |
| Hessian Construction Ordinance | D29-1                     | 31.01.1939       |
| Hessian Construction Ordinance | D29-2                     | 31.01.1939       |
| Hessian Construction Ordinance | D29-3                     | 09.10.1946       |
| Hessian Construction Ordinance | D31-1                     | 31.10.1938       |
| Water legislation              | D31-2                     | 25.01.1939       |
| Hessian Construction Ordinance | D31-3                     | 04.10.1951       |
| Hessian Construction Ordinance | D32-1                     | 31.10.1938       |
| Water legislation              | D32-2                     | 25.01.1939       |
| Federal Pollution Control Act  | D33-10                    | 15.09.2000       |
| Hessian Construction Ordinance | D33-12                    | 02.12.2009       |
| Other provisions               | D33-4                     | 13.03.1990       |
| Federal Pollution Control Act  | D33-8                     | 15.11.1996       |
| Federal Pollution Control Act  | D33-A1                    | 21.10.1997       |
| Hessian Construction Ordinance | D34-1                     | 26.03.1976       |
| Hessian Construction Ordinance | D35-1                     | 24.03.1981       |
| Hessian Construction Ordinance | D35-3                     | 06.04.1988       |
| Hessian Construction Ordinance | D36-1                     | 05.02.1991       |
| Hessian Construction Ordinance | D37-1                     | 24.03.1981       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | D37-4                     | 12.06.2002       |
| Hessian Construction Ordinance | D9-1                      | 26.11.1959       |
| Hessian Construction Ordinance | E1/2/4-1                  | 10.06.1902       |
| Hessian Construction Ordinance | E1/2/4-2                  | 11.06.1908       |
| Hessian Construction Ordinance | E1/2/4-3                  | 30.12.1964       |
| Hessian Construction Ordinance | E10-1                     | 24.03.1981       |
| Hessian Construction Ordinance | E13-1                     | 21.04.1911       |
| Hessian Construction Ordinance | E13-2                     | 26.03.1984       |
| Hessian Construction Ordinance | E1-4                      | 17.09.2002       |
| Hessian Construction Ordinance | E18-1                     | 04.08.1936       |
| Hessian Construction Ordinance | E23-1                     | 20.07.1920       |
| Federal Pollution Control Act  | E23-10                    | 20.10.1987       |
| Federal Pollution Control Act  | E23-11                    | 09.08.1994       |
| Federal Pollution Control Act  | E23-12                    | 24.07.1995       |
| Federal Pollution Control Act  | E23-13                    | 31.01.2000       |
| Hessian Construction Ordinance | E23-2                     | 14.04.1920       |
| Hessian Construction Ordinance | E23-3                     | 05.09.1919       |
| Hessian Construction Ordinance | E23-4                     | 20.10.1927       |
| Water legislation              | E23-5                     | 03.11.1927       |
| Hessian Construction Ordinance | E23-6                     | 10.08.1955       |
| Hessian Construction Ordinance | E23-7                     | 31.08.1971       |
| Federal Pollution Control Act  | E23-8                     | 20.01.1982       |
| Trade Regulation Act           | E23-8A                    | 19.04.1956       |
| Trade Regulation Act           | E23-8B                    | 27.03.1957       |
| Trade Regulation Act           | E23-8C                    | 31.10.1963       |
| Trade Regulation Act           | E23-8D                    | 23.03.1971       |
| Trade Regulation Act           | E23-8E                    | 18.08.1971       |
| Federal Pollution Control Act  | E23-9                     | 04.11.1986       |
| Federal Pollution Control Act  | E23-A1                    | 14.02.2000       |
| Hessian Construction Ordinance | E2-4                      | 07.05.2003       |
| Hessian Construction Ordinance | E24-1                     | 24.03.1981       |
| Hessian Construction Ordinance | E25-1                     | 21.04.1911       |
| Hessian Construction Ordinance | E25-2                     | 18.06.1913       |
| Hessian Construction Ordinance | E25-3                     | 20.03.1914       |
| Hessian Construction Ordinance | E26-2                     | 14.06.1989       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | E28-1                     | 24.03.1981       |
| Hessian Construction Ordinance | E29-1                     | 22.11.1921       |
| Federal Pollution Control Act  | E33-1                     | 12.07.1984       |
| Federal Pollution Control Act  | E33-2                     | 22.06.1993       |
| Federal Pollution Control Act  | E33-A1                    | 14.02.2000       |
| Hessian Construction Ordinance | E4/6/8/40-6               | 12.06.2006       |
| Hessian Construction Ordinance | E4/6/8/9-1                | 16.05.1914       |
| Hessian Construction Ordinance | E4/6/8/9-3                | 24.03.1915       |
| Hessian Construction Ordinance | E4/6/8/9-4                | 10.07.1917       |
| Hessian Construction Ordinance | E4/6/8-5                  | 16.11.2004       |
| Hessian Construction Ordinance | E40-1                     | 08.08.1935       |
| Hessian Construction Ordinance | E40-2                     | 14.10.1987       |
| Hessian Construction Ordinance | E40-3                     | 12.06.2006       |
| Hessian Construction Ordinance | E42-1                     | 30.01.1940       |
| Hessian Construction Ordinance | E42-2                     | 30.01.1940       |
| Hessian Construction Ordinance | E42-3                     | 05.09.1940       |
| Hessian Construction Ordinance | E55-2                     | 06.12.2001       |
| Other provisions               | EKVO-1                    | 23.08.1989       |
| Other provisions               | EKVO-2                    | 30.12.1994       |
| Hessian Construction Ordinance | F11-2                     | 29.05.1948       |
| Hessian Construction Ordinance | F16/19-(6A)               | 31.10.1961       |
| Hessian Construction Ordinance | F16/19-(6B)               | 18.02.1964       |
| Hessian Construction Ordinance | F16/19-1                  | 12.08.1901       |
| Hessian Construction Ordinance | F16/19-10                 | 26.05.1990       |
| Hessian Construction Ordinance | F16/19-11                 | 25.03.1992       |
| Hessian Construction Ordinance | F16/19-12                 | 25.03.1992       |
| Hessian Construction Ordinance | F16/19-14                 | 28.09.2004       |
| Hessian Construction Ordinance | F16/19-3                  | 22.05.1908       |
| Hessian Construction Ordinance | F16/19-4                  | 24.10.1921       |
| Hessian Construction Ordinance | F16/19-5                  | 09.12.1922       |
| Hessian Construction Ordinance | F16/19-7                  | 30.12.1964       |
| Hessian Construction Ordinance | F16/19-8                  |                  |
| Hessian Construction Ordinance | F16/19-9                  | 14.04.1987       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | F20-1                     | 30.06.1971       |
| Hessian Construction Ordinance | F2-1                      | 28.04.1990       |
| Hessian Construction Ordinance | F2-2                      | 14.02.2002       |
| Hessian Construction Ordinance | F23-1                     | 30.03.2001       |
| Hessian Construction Ordinance | F3-1                      | 26.06.1914       |
| Hessian Construction Ordinance | F38-1                     | 04.09.1936       |
| Hessian Construction Ordinance | F6-2                      |                  |
| Hessian Construction Ordinance | F6-3                      | 21.06.1987       |
| Druckbehälter-Verordnung       | F6-4                      | 01.01.1997       |
| Trade Regulation Act           | F6-5                      | 17.03.1986       |
| Hessian Construction Ordinance | F7-2                      | 10.09.1908       |
| Other provisions               | FEUER-1                   | 17.09.2004       |
| Other provisions               | FEUER-2                   | 10.09.2009       |
| Hessian Construction Ordinance | FRANKFURT-3               | 02.07.1981       |
| Hessian Construction Ordinance | FRANKFURT-4               | 14.01.1982       |
| Hessian Construction Ordinance | FRANKFURTE R STR.252-2    | 14.01.1982       |
| Hessian Construction Ordinance | FRANKFURTE R STR.254-2    |                  |
| Hessian Construction Ordinance | FRANKFURTE R STR.254-3    |                  |
| Hessian Construction Ordinance | FRANKFURTE R-LANDSTR.7-3  | 19.08.2011       |
| Hessian Construction Ordinance | FRANKFURTE R-LANDSTR.8-1  | 14.12.1970       |
| Hessian Construction Ordinance | FRANKFURTE R-LANDSTR.8-2  | 06.04.1981       |
| Federal Pollution Control Act  | G11-1                     | 14.04.1980       |
| Federal Pollution Control Act  | G11-2                     | 31.01.1978       |
| Hessian Construction Ordinance | G12-1                     | 02.07.1935       |
| Hessian Construction Ordinance | G39-1                     | 10.12.1936       |
| Water legislation              | G39-2                     | 05.11.1936       |
| Hessian Construction Ordinance | G50-1                     | 03.03.1992       |
| Hessian Construction Ordinance | G51-1                     | 06.01.1992       |
| Federal Pollution Control Act  | G6/G12-2                  | 22.05.1990       |
| Water legislation              | G6/G12-3                  | 20.12.1996       |
| Federal Pollution Control Act  | G6/G12-4                  |                  |
| Hessian Construction Ordinance | G6-1                      | 16.04.1908       |
| Hessian Construction Ordinance | G7-1                      | 19.11.1993       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Gene Technology Law            | GEN13-1                   | 23.12.1996       |
| Gene Technology Law            | GEN13-2                   | 01.09.2003       |
| Gene Technology Law            | GEN16-1                   | 21.06.1996       |
| Gene Technology Law            | GEN16-2                   | 15.09.1999       |
| Gene Technology Law            | GEN20-1                   | 09.03.1999       |
| Gene Technology Law            | GEN20-2                   |                  |
| Gene Technology Law            | GEN25-1                   | 08.02.2001       |
| Gene Technology Law            | GEN4-1                    | 21.09.1993       |
| Gene Technology Law            | GEN4-2                    | 26.04.1995       |
| Gene Technology Law            | GEN4-3                    | 12.12.1995       |
| Gene Technology Law            | GEN7-1                    | 09.11.1993       |
| Gene Technology Law            | GEN9-1                    | 04.03.1993       |
| Railway Act                    | GLEIS-4                   | 22.05.1996       |
| Hessian Construction Ordinance | H21-1                     | 24.03.1981       |
| Hessian Construction Ordinance | H21-2                     |                  |
| Trade Regulation Act           | H25-1                     | 17.02.1965       |
| Hessian Construction Ordinance | H31-1                     | 20.07.2006       |
| Hessian Construction Ordinance | H7-1                      | 25.06.1968       |
| Hessian Construction Ordinance | H7-3                      | 18.01.2006       |
| Waste Act                      | HALDE-16                  | 06.05.1999       |
| Waste Act                      | HALDE-17                  | 06.09.1999       |
| Waste Act                      | HALDE-19                  | 03.03.2000       |
| Water legislation              | HALDE-3                   | 06.09.1982       |
| Other provisions               | HUB-1                     | 22.06.1972       |
| Other provisions               | HUB-2                     | 30.01.1995       |
| Other provisions               | INF10-1                   | 15.11.2010       |
| Other provisions               | INF3-1                    | 30.12.2005       |
| Other provisions               | INF3-2                    | 18.01.2011       |
| Other provisions               | INF5-1                    | 29.12.2006       |
| Other provisions               | INF5-2                    |                  |
| Other provisions               | INF6-1                    | 11.03.2008       |
| Hessian Construction Ordinance | J14-1                     | 07.06.2000       |
| Water legislation              | J25-2                     | 06.02.1991       |
| Hessian Construction Ordinance | J27-1                     | 28.01.2000       |
| Hessian Construction Ordinance | J30/31-1                  | 21.07.1902       |
| Hessian Construction Ordinance | J30/31-2                  | 03.10.1946       |
| Hessian Construction Ordinance | J33-1                     | 28.11.1907       |
| Hessian Construction Ordinance | J33-2                     | 23.11.1910       |
| Hessian Construction Ordinance | J6-1                      | 21.07.1902       |
| Hessian Construction Ordinance | J6-2                      | 15.08.1949       |
| Water legislation              | J7-2                      | 10.03.1937       |
| Hessian Construction Ordinance | K10-1                     | 15.06.1906       |
| Hessian Construction Ordinance | K13-1                     | 11.09.1902       |
| Hessian Construction Ordinance | K13-2                     | 20.10.1942       |
| Hessian Construction           | K13-3                     | 31.10.1942       |

## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | K13-4                     | 02.10.1943       |
| Hessian Construction Ordinance | K13-5                     | 02.10.1946       |
| Hessian Construction Ordinance | K15-1A                    | 10.04.1979       |
| Hessian Construction Ordinance | K15-7                     | 24.08.2011       |
| Hessian Construction Ordinance | K17-1                     | 11.09.1902       |
| Hessian Construction Ordinance | K17-2                     | 20.10.1942       |
| Hessian Construction Ordinance | K17-3                     | 31.10.1942       |
| Hessian Construction Ordinance | K17-5                     |                  |
| Hessian Construction Ordinance | K17-6                     |                  |
| Hessian Construction Ordinance | K18-2                     | 03.09.1918       |
| Hessian Construction Ordinance | K18-6                     | 08.10.1946       |
| Hessian Construction Ordinance | K18-7                     | 29.05.1948       |
| Hessian Construction Ordinance | K18-8                     | 04.07.1957       |
| Hessian Construction Ordinance | K21-1                     | 30.03.1912       |
| Hessian Construction Ordinance | K22-1                     | 25.02.1992       |
| Federal Pollution Control Act  | K40-1                     | 29.04.1976       |
| Federal Pollution Control Act  | K40-3                     | 19.10.1979       |
| Federal Pollution Control Act  | K40-4                     | 14.04.1982       |
| Hessian Construction Ordinance | K9-2                      | 24.10.1921       |
| Water legislation              | K9-3                      | 02.07.1997       |
| Water legislation              | KANÄLE-12                 | 21.08.1981       |
| Water legislation              | KANÄLE-13                 | 28.01.1985       |
| Water legislation              | KANÄLE-14                 | 01.06.1987       |
| Water legislation              | KANÄLE-7                  | 22.02.1960       |
| Water legislation              | KANÄLE-8                  | 13.06.1972       |
| Water legislation              | L18-1                     | 04.09.1991       |
| Hessian Construction Ordinance | L19-1                     | 21.03.1956       |
| Hessian Construction Ordinance | L30-1                     | 19.04.1912       |
| Hessian Construction Ordinance | L35-1                     | 05.08.1903       |
| Hessian Construction Ordinance | L36-1                     | 05.08.1903       |
| Water legislation              | LWF-2                     | 17.08.1979       |
| Water legislation              | LWF-3                     | 21.07.1982       |
| Water legislation              | LWF-5                     | 28.07.1987       |
| Water legislation              | LWF-6                     | 26.10.1988       |
| Water legislation              | LWS-1                     | 31.12.1990       |
| Hessian Construction Ordinance | M10-1                     | 24.03.1981       |
| Hessian Construction Ordinance | M12/14-6                  | 31.03.1953       |

| Field of law                     | Internal reference number | Date of approval |
|----------------------------------|---------------------------|------------------|
| Regulation inflammable materials | M15-1                     | 20.05.1980       |
| Hessian Construction Ordinance   | M15-2                     | 24.03.1981       |
| Hessian Construction Ordinance   | M15-3                     | 15.01.1987       |
| Hessian Construction Ordinance   | M18-6                     | 23.10.2008       |
| Hessian Construction Ordinance   | M20-1                     | 24.03.1981       |
| Hessian Construction Ordinance   | M2-2                      | 15.01.1987       |
| Hessian Construction Ordinance   | M23-1                     | 24.03.1981       |
| Hessian Construction Ordinance   | M27-1                     | 24.03.1981       |
| Hessian Construction Ordinance   | M27-2                     | 15.01.1987       |
| Hessian Construction Ordinance   | M3-1                      | 24.03.1981       |
| Hessian Construction Ordinance   | M3-2                      | 16.09.1992       |
| Hessian Construction Ordinance   | M32-1                     | 31.01.1967       |
| Hessian Construction Ordinance   | M40-1                     | 08.10.2010       |
| Hessian Construction Ordinance   | M41-1                     |                  |
| Hessian Construction Ordinance   | M8-2                      | 13.03.1984       |
| Hessian Construction Ordinance   | N100-1                    | 22.06.1982       |
| Hessian Construction Ordinance   | N100-2                    | 02.03.1983       |
| Federal Pollution Control Act    | N100-3                    | 17.03.1995       |
| Hessian Construction Ordinance   | N1-1                      | 18.03.1952       |
| Hessian Construction Ordinance   | N13-1                     | 24.03.1981       |
| Hessian Construction Ordinance   | N1-4                      | 14.03.2007       |
| Hessian Construction Ordinance   | N20-1A                    |                  |
| Hessian Construction Ordinance   | N20-2                     | 07.01.1970       |
| Hessian Construction Ordinance   | N20-21                    | 03.12.2001       |
| Hessian Construction Ordinance   | N77-1                     | 23.02.1981       |
| Federal Pollution Control Act    | NEA-2                     | 16.07.1998       |
| Waste Act                        | NOTIFR-2                  | 04.04.2013       |
| Other provisions                 | NOTIFR-3                  | 21.02.2014       |
| Waste Act                        | NOTINL-1                  | 16.10.2012       |
| Waste Act                        | NOTINL-2                  | 16.10.2012       |
| Waste Act                        | NOTINL-3                  | 06.11.2013       |
| Waste Act                        | NOTINL-4                  | 06.11.2013       |
| Waste Act                        | NOTINL-5                  | 19.08.2014       |
| Waste Act                        | NOTINL-6                  | 19.08.2014       |
| Hessian Construction Ordinance   | O10-1                     |                  |
| Hessian Construction Ordinance   | O10-2                     | 02.10.1958       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance | O10-3                     | 09.09.2004       |
| Hessian Construction Ordinance | O11-1                     | 02.10.1958       |
| Hessian Construction Ordinance | O11-3A                    |                  |
| Hessian Construction Ordinance | O11-5                     | 13.11.1987       |
| Hessian Construction Ordinance | O17-1                     | 11.10.1977       |
| Hessian Construction Ordinance | O19-1                     | 24.03.1981       |
| Hessian Construction Ordinance | O19-2                     | 26.03.1996       |
| Federal Pollution Control Act  | O20-3                     | 28.01.1977       |
| Federal Pollution Control Act  | O20-4                     | 18.01.1978       |
| Federal Pollution Control Act  | O20-5                     | 11.02.1980       |
| Hessian Construction Ordinance | O21-4A                    |                  |
| Hessian Construction Ordinance | O36-1                     |                  |
| Hessian Construction Ordinance | O37-1                     |                  |
| Hessian Construction Ordinance | O37-2                     | 12.06.1907       |
| Hessian Construction Ordinance | O37-3                     | 29.05.1948       |
| Hessian Construction Ordinance | P18-1                     | 30.06.1954       |
| Hessian Construction Ordinance | P19-1                     | 09.09.1912       |
| Hessian Construction Ordinance | P22/25-1                  | 06.08.1907       |
| Hessian Construction Ordinance | P22/25-13                 | 04.02.2014       |
| Hessian Construction Ordinance | P22/25-2                  | 19.07.1913       |
| Hessian Construction Ordinance | P22/25-3                  | 23.02.1944       |
| Hessian Construction Ordinance | P25-2                     |                  |
| Hessian Construction Ordinance | P3-1                      | 04.12.1925       |
| Hessian Construction Ordinance | P31-1                     | 11.07.1922       |
| Hessian Construction Ordinance | P31-2                     | 12.01.1944       |
| Hessian Construction Ordinance | P3-2                      | 06.12.1941       |
| Hessian Construction Ordinance | P3-3                      | 24.03.1942       |
| Hessian Construction Ordinance | P3-5                      | 27.04.1944       |
| Hessian Construction Ordinance | P35-1                     | 05.12.2002       |
| Hessian Construction Ordinance | P35-2                     | 31.07.2007       |
| Hessian Construction Ordinance | P35-3                     | 04.02.2014       |
| Hessian Construction Ordinance | P3-6                      | 05.10.1946       |
| Hessian Construction           | P38-1                     | 05.06.1952       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                     | Internal reference number | Date of approval |
|----------------------------------|---------------------------|------------------|
| Ordinance                        |                           |                  |
| Hessian Construction Ordinance   | P4-1A                     | 05.10.1946       |
| Hessian Construction Ordinance   | P7-1                      | 01.09.1910       |
| Hessian Construction Ordinance   | P7-2                      | 23.07.1942       |
| Hessian Construction Ordinance   | PARKNW-1                  | 16.02.1999       |
| Hessian Construction Ordinance   | PARKP-12                  | 27.03.2013       |
| Hessian Construction Ordinance   | PH100-1                   | 22.07.1982       |
| Hessian Construction Ordinance   | PH100-2                   | 29.09.1987       |
| Hessian Construction Ordinance   | PH101-1                   | 25.09.1988       |
| Hessian Construction Ordinance   | PH101-2                   | 18.05.1989       |
| Hessian Construction Ordinance   | PH1-1                     | 01.12.1938       |
| Hessian Construction Ordinance   | PH11-1                    | 24.03.1981       |
| Hessian Construction Ordinance   | PH1-2                     | 04.04.1940       |
| Hessian Construction Ordinance   | PH1-3                     | 04.04.1940       |
| Hessian Construction Ordinance   | PH1-4                     | 04.10.1946       |
| Hessian Construction Ordinance   | PH15-1                    | 07.02.1939       |
| Hessian Construction Ordinance   | PH15-3                    |                  |
| Hessian Construction Ordinance   | PH16-2                    |                  |
| Hessian Construction Ordinance   | PH17-1                    | 13.02.1939       |
| Water legislation                | PH20-1                    | 25.08.1938       |
| Hessian Construction Ordinance   | PH20-2                    | 08.02.1939       |
| Hessian Construction Ordinance   | PH20-3                    | 08.02.1939       |
| Hessian Construction Ordinance   | PH2-1                     | 24.03.1981       |
| Hessian Construction Ordinance   | PH21-2                    | 06.02.1939       |
| Trade Regulation Act             | PH21-3                    | 06.02.1939       |
| Hessian Construction Ordinance   | PH21-4                    | 04.03.1983       |
| Regulation inflammable materials | PH21-5                    | 06.05.1983       |
| Hessian Construction Ordinance   | PH21-6                    |                  |
| Water legislation                | PH25-1                    | 26.04.1938       |
| Steam Boiler Ordinance           | PH26-4                    | 13.02.1996       |
| Hessian Construction Ordinance   | PH30-1                    | 11.02.1939       |
| Hessian Construction Ordinance   | PH30-2                    | 11.02.1939       |
| Hessian Construction Ordinance   | PH30-3                    | 24.03.1981       |
| Federal Pollution Control Act    | PH30-4                    | 31.12.1991       |
| Hessian Construction             | PH36-1                    | 13.09.1938       |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Ordinance                      |                           |                  |
| Hessian Construction Ordinance | PH36-2                    | 10.02.1939       |
| Hessian Construction Ordinance | PH36-4                    | 05.05.1948       |
| Hessian Construction Ordinance | PH36-5                    | 24.02.1972       |
| Hessian Construction Ordinance | PH36-6                    | 24.03.1981       |
| Hessian Construction Ordinance | PH36-7                    | 27.05.1993       |
| Hessian Construction Ordinance | PH40-1                    | 09.02.1939       |
| Hessian Construction Ordinance | PH40-2                    | 09.02.1939       |
| Hessian Construction Ordinance | PH40-3                    | 16.09.1942       |
| Hessian Construction Ordinance | PH43-1                    | 14.02.1939       |
| Hessian Construction Ordinance | PH46-1                    | 17.02.1939       |
| Hessian Construction Ordinance | PH46-2                    | 17.02.1939       |
| Hessian Construction Ordinance | PH49-1                    | 13.05.1976       |
| Hessian Construction Ordinance | PH51-3                    | 19.02.1993       |
| Hessian Construction Ordinance | PH5-5                     |                  |
| Hessian Construction Ordinance | PH75/77-1                 | 14.03.1985       |
| Hessian Construction Ordinance | PH75-1                    |                  |
| Hessian Construction Ordinance | PH78-1                    | 25.11.1982       |
| Hessian Construction Ordinance | PH86-1                    | 03.08.1999       |
| Hessian Construction Ordinance | PH86-2                    | 20.12.2000       |
| Hessian Construction Ordinance | PH86-3                    | 22.09.2003       |
| Hessian Construction Ordinance | PH90-1                    |                  |
| Hessian Construction Ordinance | PH9-1                     | 24.03.1981       |
| Hessian Construction Ordinance | PH98-1                    | 29.08.1988       |
| Hessian Construction Ordinance | Q11-1                     | 27.09.1912       |
| Hessian Construction Ordinance | Q12-2                     | 06.07.2000       |
| Hessian Construction Ordinance | Q14-1                     | 06.10.1917       |
| Hessian Construction Ordinance | Q15-5                     | 10.07.2000       |
| Hessian Construction Ordinance | Q15-6                     | 05.03.2008       |
| Hessian Construction Ordinance | Q16-1                     | 07.02.1980       |
| Hessian Construction Ordinance | Q18-1A                    | 13.08.1926       |
| Hessian Construction Ordinance | Q19-1                     | 15.05.1933       |
| Hessian Construction Ordinance | Q20-1A                    | 11.11.1935       |

| Field of law                   | Internal reference number | Date of approval                 |
|--------------------------------|---------------------------|----------------------------------|
| Hessian Construction Ordinance | Q2-1                      | 31.08.1999                       |
| Hessian Construction Ordinance | Q21-1                     | 24.03.1981                       |
| Hessian Construction Ordinance | Q30-1                     | 24.03.1981                       |
| Hessian Construction Ordinance | Q54-1                     | 24.06.1998                       |
| Hessian Construction Ordinance | Q55-1                     | 03.03.1997                       |
| Hessian Construction Ordinance | Q8-1                      | 18.07.1902                       |
| Hessian Construction Ordinance | Q8-2                      | 14.10.1925                       |
| Hessian Construction Ordinance | Q9-1                      | 18.07.1902                       |
| Hessian Construction Ordinance | R10-1                     | 03.10.1927                       |
| Hessian Construction Ordinance | R106-1                    | 04.11.1986                       |
| Hessian Construction Ordinance | R107-1                    | 22.06.1992                       |
| Hessian Construction Ordinance | R12-1                     | 24.03.1981                       |
| Hessian Construction Ordinance | R16-1                     | 24.03.1981                       |
| Hessian Construction Ordinance | R19-1                     | 14.12.1942                       |
| Hessian Construction Ordinance | R20-1                     | 26.03.1976                       |
| Hessian Construction Ordinance | R21-1                     | 24.03.1981                       |
| Federal Pollution Control Act  | R2-2                      | 28.01.1994                       |
| Federal Pollution Control Act  | R2-3                      | 03.10.1995                       |
| Hessian Construction Ordinance | R3-1                      | 10.01.1939                       |
| Hessian Construction Ordinance | R3-2                      | 06.07.1940                       |
| Hessian Construction Ordinance | R39-1                     | 19.01.1962                       |
| Hessian Construction Ordinance | R39-2                     | 13.01.1971                       |
| Hessian Construction Ordinance | R39-3                     | 16.06.1992                       |
| Hessian Construction Ordinance | R41-3                     | 08.05.2003                       |
| Hessian Construction Ordinance | R45-1                     | 30.03.2001                       |
| Hessian Construction Ordinance | R5-1                      | 24.03.1981                       |
| Hessian Construction Ordinance | R7-1                      | 21.02.1942                       |
| Hessian Construction Ordinance | R9-1                      | 07.07.1942                       |
| Hessian Construction Ordinance | R9-2                      | 24.03.1981                       |
| Waste Act                      | RETRO-1                   | 03.02.1999                       |
| Waste Act                      | RETRO-2                   | 15.01.2009;09.09.2010;04.02.2013 |
| Hessian Construction Ordinance | ROHRB-10                  | 17.06.1994                       |
| Hessian Construction           | ROHRB-16                  | 02.11.1995                       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval      |
|--------------------------------|---------------------------|-----------------------|
| Ordinance                      |                           |                       |
| Hessian Construction Ordinance | ROHRB-5                   | 28.05.1993            |
| Hessian Construction Ordinance | S11-1                     | 24.03.1981            |
| Hessian Construction Ordinance | S19-1                     | 24.03.1981            |
| Hessian Construction Ordinance | S2/S3-3                   | 09.03.1927            |
| Federal Pollution Control Act  | S3-7                      |                       |
| Federal Pollution Control Act  | S7-2                      | 14.01.1994            |
| Hessian Construction Ordinance | STR-10                    | 15.11.2001            |
| Radiation Protection Act       | STV-1                     | 21.03.1961            |
| Radiation Protection Act       | STV-10                    | 04.08.1978            |
| Radiation Protection Act       | STV-100                   | 28.05.2004            |
| Radiation Protection Act       | STV-101                   | 28.10.2004            |
| Radiation Protection Act       | STV-102                   | 23.11.2004            |
| Radiation Protection Act       | STV-104                   | 26.01.2005            |
| Radiation Protection Act       | STV-105                   | 28.04.2005            |
| Radiation Protection Act       | STV-108                   | 31.07.2009            |
| Radiation Protection Act       | STV-11                    | 29.05.1978            |
| Radiation Protection Act       | STV-111                   | 17.07.2007            |
| Radiation Protection Act       | STV-115                   | 23.07.2007            |
| Radiation Protection Act       | STV-116                   | 16.08.2007            |
| Radiation Protection Act       | STV-118                   | 13.12.2007            |
| Radiation Protection Act       | STV-12                    | 20.12.1978            |
| Radiation Protection Act       | STV-120                   | 25.04.2008;29.06.2015 |
| Radiation Protection Act       | STV-121                   | 25.04.2008            |
| Radiation Protection Act       | STV-123                   | 27.08.2008            |
| Radiation Protection Act       | STV-125                   | 29.07.2009            |
| Radiation Protection Act       | STV-128                   | 09.12.2009            |
| Radiation Protection Act       | STV-13                    | 08.07.1988            |
| Radiation Protection Act       | STV-130                   | 18.05.2010            |
| Radiation Protection Act       | STV-134                   | 01.12.2011            |
| Radiation Protection Act       | STV-135                   | 20.12.2011            |
| Radiation Protection Act       | STV-138                   | 02.11.2012            |
| Radiation Protection Act       | STV-14                    | 20.11.1987            |

| Field of law             | Internal reference number | Date of approval      |
|--------------------------|---------------------------|-----------------------|
| Radiation Protection Act | STV-140                   | 13.12.2012            |
| Radiation Protection Act | STV-15                    | 29.08.1984            |
| Radiation Protection Act | STV-17                    | 25.02.1987            |
| Radiation Protection Act | STV-18                    | 03.10.1988            |
| Radiation Protection Act | STV-19                    | 04.07.1989            |
| Radiation Protection Act | STV-2                     | 04.06.1964            |
| Radiation Protection Act | STV-20                    | 23.04.1991            |
| Radiation Protection Act | STV-22                    | 11.10.1993            |
| Radiation Protection Act | STV-23                    | 11.10.1993            |
| Radiation Protection Act | STV-24                    | 11.10.1993            |
| Radiation Protection Act | STV-25                    | 12.07.1993            |
| Radiation Protection Act | STV-26                    | 12.07.1993            |
| Radiation Protection Act | STV-27                    | 17.02.1995            |
| Radiation Protection Act | STV-28                    | 20.10.1994            |
| Radiation Protection Act | STV-3                     | 09.11.1964            |
| Radiation Protection Act | STV-30                    | 16.01.1996            |
| Radiation Protection Act | STV-32                    | 26.04.1996            |
| Radiation Protection Act | STV-33                    | 08.03.1996            |
| Radiation Protection Act | STV-34                    | 06.03.1996            |
| Radiation Protection Act | STV-37                    | 01.10.1996            |
| Radiation Protection Act | STV-38                    | 23.04.1997            |
| Radiation Protection Act | STV-39                    | 23.04.1997            |
| Radiation Protection Act | STV-4                     | 26.05.1965            |
| Radiation Protection Act | STV-42                    | 07.10.1997            |
| Radiation Protection Act | STV-43                    | 18.12.1997            |
| Radiation Protection Act | STV-44                    | 08.01.1998            |
| Radiation Protection Act | STV-46                    | 23.03.1998            |
| Radiation Protection Act | STV-47                    | 25.03.1998            |
| Radiation Protection Act | STV-48                    | 26.03.1998            |
| Radiation Protection Act | STV-49                    | 07.07.1998;29.06.2015 |
| Radiation Protection Act | STV-5                     | 16.02.1967            |
| Radiation Protection Act | STV-50                    | 22.10.1998            |
| Radiation Protection Act | STV-51                    | 21.08.1998            |

| Field of law             | Internal reference number | Date of approval |
|--------------------------|---------------------------|------------------|
| Act                      |                           |                  |
| Radiation Protection Act | STV-52                    | 21.08.1998       |
| Radiation Protection Act | STV-53                    | 03.09.1998       |
| Radiation Protection Act | STV-54                    | 16.10.1998       |
| Radiation Protection Act | STV-55                    | 21.12.1998       |
| Radiation Protection Act | STV-56                    | 09.03.1999       |
| Radiation Protection Act | STV-56A                   | 03.07.2001       |
| Radiation Protection Act | STV-57                    | 07.05.1996       |
| Radiation Protection Act | STV-57A                   | 08.03.1999       |
| Radiation Protection Act | STV-58                    | 21.06.1999       |
| Radiation Protection Act | STV-60                    | 08.11.1999       |
| Radiation Protection Act | STV-62                    | 17.02.2000       |
| Radiation Protection Act | STV-63                    | 14.03.2000       |
| Radiation Protection Act | STV-64                    | 17.05.2000       |
| Radiation Protection Act | STV-66                    | 03.08.2000       |
| Radiation Protection Act | STV-67                    | 27.10.2000       |
| Radiation Protection Act | STV-68                    | 09.02.2001       |
| Radiation Protection Act | STV-69                    | 03.07.2001       |
| Radiation Protection Act | STV-7                     | 09.06.1975       |
| Radiation Protection Act | STV-70                    | 06.09.1999       |
| Radiation Protection Act | STV-70A                   | 03.07.2001       |
| Radiation Protection Act | STV-71                    | 06.07.2001       |
| Radiation Protection Act | STV-72                    | 20.07.2001       |
| Radiation Protection Act | STV-73                    | 20.08.2001       |
| Radiation Protection Act | STV-74                    | 24.09.2001       |
| Radiation Protection Act | STV-75                    | 26.10.2001       |
| Radiation Protection Act | STV-76                    | 29.10.2001       |
| Radiation Protection Act | STV-8                     | 18.04.1984       |
| Radiation Protection Act | STV-80                    | 24.06.2002       |
| Radiation Protection Act | STV-81                    | 06.11.2002       |
| Radiation Protection Act | STV-81A                   | 27.08.2008       |
| Radiation Protection Act | STV-82                    | 18.12.2002       |
| Radiation Protection Act | STV-84                    | 22.04.2003       |

**Annex 48.1**

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                                              | Internal reference number     | Date of approval                 |
|-----------------------------------------------------------|-------------------------------|----------------------------------|
| Radiation Protection Act                                  | STV-85                        | 20.05.2003                       |
| Radiation Protection Act                                  | STV-87                        | 29.08.2003                       |
| Radiation Protection Act                                  | STV-88                        | 29.08.2003                       |
| Radiation Protection Act                                  | STV-9                         | 21.07.1977                       |
| Radiation Protection Act                                  | STV-90                        | 29.08.2003                       |
| Radiation Protection Act                                  | STV-91                        | 29.08.2003                       |
| Radiation Protection Act                                  | STV-92                        | 21.10.2003                       |
| Radiation Protection Act                                  | STV-93                        | 19.03.2004                       |
| Radiation Protection Act                                  | STV-94                        | 22.03.2004;29.06.2015            |
| Radiation Protection Act                                  | STV-95                        | 23.03.2004                       |
| Radiation Protection Act                                  | STV-96                        | 22.04.2004                       |
| Radiation Protection Act                                  | STV-97                        | 22.04.2004                       |
| Radiation Protection Act                                  | STV-98                        | 27.05.2004                       |
| Radiation Protection Act                                  | STV-99                        | 21.04.2004;04.06.2007;01.07.2010 |
| Waste Act                                                 | T21-1                         | 29.03.1978                       |
| Trade Regulation Act;Hessian Construction Ordinance (GEW) | T37/46-1                      | 15.07.1966                       |
| Federal Pollution Control Act                             | T37/46-3                      | 15.12.1977                       |
| Water legislation                                         | T40-9                         | 06.07.1998                       |
| Water legislation                                         | T44-1                         | 15.01.1992                       |
| Radiation Protection Act                                  | T50-3                         | 07.05.1976                       |
| Hessian Construction Ordinance                            | T51-1                         | 17.08.1977                       |
| Hessian Construction Ordinance                            | T51-2                         | 21.07.1980                       |
| Hessian Construction Ordinance                            | T70-1                         | 13.12.2000                       |
| Hessian Construction Ordinance                            | T77-1                         | 19.06.2013                       |
| Hessian Construction Ordinance                            | T90-2                         | 17.12.2001                       |
| Hessian Construction Ordinance                            | TÄUBCHESH<br>ÖHLENWEG<br>42-1 |                                  |
| Other provisions                                          | TIER-1                        | 19.01.2005                       |
| Other provisions                                          | TIER-3                        | 14.12.2010                       |
| Other provisions                                          | TRS-1                         | 08.06.1998                       |
| Other provisions                                          | TRS-2                         | 26.07.1991                       |
| Hessian Construction Ordinance                            | U16-1                         | 24.03.1981                       |
| Hessian Construction Ordinance                            | U18-1                         | 17.01.1999                       |
| Hessian Construction Ordinance                            | U22-1                         | 16.05.1974                       |
| Hessian Construction Ordinance                            | U23-1                         | 13.09.1976                       |

| Field of law                        | Internal reference number | Date of approval |
|-------------------------------------|---------------------------|------------------|
| Ordinance                           |                           |                  |
| Hessian Construction Ordinance      | U25-1                     | 20.02.1975       |
| Radiation Protection Act            | U30-1                     | 09.06.1975       |
| Hessian Construction Ordinance      | U3-1                      | 11.06.1958       |
| Hessian Construction Ordinance      | U4-1                      | 13.07.1954       |
| Hessian Construction Ordinance      | U4-2                      | 24.03.1981       |
| Hessian Construction Ordinance      | V100-1                    | 09.12.1980       |
| Hessian Construction Ordinance      | V101-1                    | 09.12.1980       |
| Hessian Construction Ordinance      | V102-1                    | 09.12.1980       |
| Hessian Construction Ordinance      | V121-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V122-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V123-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V124-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V125-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V126-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V140-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V141-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V142-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V143-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V144-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V145-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V146-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V147-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V148-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V149-1                    | 30.03.1981       |
| Hessian Construction Ordinance      | V26-1                     | 09.12.1981       |
| Federal Pollution Control Act (BIM) | Z1-1                      | 17.09.1975       |
| Federal Pollution Control Act       | Z1-2                      | 15.09.1980       |
| Hessian Construction Ordinance      | Z1-3                      | 17.07.1992       |
| Federal Pollution Control Act       | Z1-4                      |                  |
| Hessian Construction Ordinance      | Z19-1                     | 06.06.1986       |
| Hessian Construction Ordinance      | Z19-2                     | 23.07.1996       |
| Hessian Construction Ordinance      | Z20/23-1                  | 12.08.1955       |

| Field of law                                     | Internal reference number | Date of approval |
|--------------------------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance                   | Z20/23-2                  | 22.04.1970       |
| Sprengstoffgesetz                                | Z20/23-3                  | 15.03.1971       |
| Sprengstoffgesetz                                | Z20/23-4                  | 22.03.1971       |
| Sprengstoffgesetz                                | Z20/23-5                  | 29.11.1971       |
| Federal Pollution Control Act                    | Z3-1                      | 25.11.1977       |
| Hessian Construction Ordinance                   | Z3-2                      | 31.03.1993       |
| Hessian Construction Ordinance                   | Z40-1                     | 09.05.1996       |
| Hessian Construction Ordinance                   | Z7-1                      | 09.01.2001       |
| Hessian Construction Ordinance                   | Z8-1                      | 26.08.1996       |
| Hessian Construction Ordinance                   | Z9/10-1                   | 21.02.1938       |
| Hessian Construction Ordinance                   | Z9/10-2                   | 09.09.1942       |
| Water legislation                                | 0ABW-11                   | 12.03.1980       |
| Water legislation                                | 0ABW-18                   | 11.12.1985       |
| Water legislation                                | 0ABW-20                   | 17.01.1991       |
| Water legislation                                | 0ABW-21                   | 20.03.1995       |
| Water legislation                                | 0ABW-22                   | 18.09.1996       |
| Water legislation                                | 0ABW-24                   | 01.10.1999       |
| Water legislation                                | 0ABW-30                   | 13.12.2002       |
| Water legislation                                | 0ABW-7                    | 16.06.1975       |
| Other provisions                                 | 0ARBZRG-1                 | 16.12.2002       |
| Other provisions                                 | 0ARBZRG-12                | 10.06.2011       |
| Other provisions                                 | 0ARBZRG-1A                | 22.01.2001       |
| Other provisions                                 | 0ARBZRG-1C                | 16.08.2002       |
| Other provisions                                 | 0ARBZRG-2                 | 12.11.2002       |
| Other provisions                                 | 0ARBZRG-3                 | 27.04.2004       |
| Other provisions                                 | 0ARBZRG-4                 | 28.06.2005       |
| Other provisions                                 | 0ARBZRG-6                 | 29.09.2005       |
| Other provisions                                 | 0ARBZRG-7                 | 09.11.2005       |
| Other provisions                                 | 0ARBZRG-8                 | 27.09.2006       |
| Other provisions                                 | 0ARBZRG-9                 | 18.12.2006       |
| Water legislation                                | 0EINLEIT-1                | 01.10.2005       |
| Other provisions                                 | 0FEUER-1                  | 19.07.2006       |
| Hessian Construction Ordinance                   | 0GLIMM-1                  | 24.11.1988       |
| Water legislation;Hessian Construction Ordinance | 0GWF-1                    | 18.12.1962       |
| Waste Act                                        | 0GWF-10                   | 10.09.1990       |
| Water legislation                                | 0GWF-12                   | 22.12.1995       |
| Other provisions                                 | 0GWF-12A                  | 22.12.1995       |
| Water legislation                                | 0GWF-14B                  | 05.12.2002       |
| Water legislation                                | 0GWF-15                   | 17.12.1998       |
| Water legislation;Hessian Construction Ordinance | 0GWF-2                    | 24.10.1968       |
| Water legislation                                | 0GWF-4                    | 18.09.1980       |
| Water legislation                                | 0GWF-6                    | 15.02.1983       |
| Water legislation                                | 0GWF-6A                   | 15.04.1985       |
| Water legislation                                | 0GWF-8A                   | 23.10.1989       |
| Federal Pollution Control Act                    | 0H2/LGR-1                 | 18.03.1977       |
| Hessian Construction Ordinance                   | 0HEXA-1                   | 10.05.1960       |



## Annex 48.1

Permits not subject to the Hive-down and permanently remaining with KGaA

The following permits belong to Merck KGaA, Darmstadt, Germany.

| Field of law                   | Internal reference number | Date of approval      |
|--------------------------------|---------------------------|-----------------------|
| Hessian Construction Ordinance | 0HEXA-2                   | 24.08.1961            |
| Hessian Construction Ordinance | 0HEXA-3                   | 15.09.1961            |
| Other provisions               | 0PFL-1                    | 18.06.2001            |
| Other provisions               | 0PFL-2                    | 04.09.2003            |
| Other provisions               | 0PFL-3                    | 03.08.2004            |
| Other provisions               | 0PFL-4                    | 09.08.2007            |
| Other provisions               | 0PFL-5                    | 27.09.2007            |
| Other provisions               | 0PFL-6                    | 20.07.2010            |
| Radiation Protection Act       | 0STV-1                    | 31.03.1995            |
| Radiation Protection Act       | 0STV-4                    | 04.02.2002            |
| Radiation Protection Act       | 0STV-5                    | 05.02.2002;07.12.2009 |
| Radiation Protection Act       | 0STV-6                    | 24.11.2004            |
| Federal Pollution Control Act  | 10/13M-1                  | 19.02.1976            |
| Hessian Construction Ordinance | 11A-2                     | 18.12.2008            |
| Hessian Construction Ordinance | 11D-1                     | 11.08.1992            |
| Hessian Construction Ordinance | 11L-1                     | 07.05.1992            |
| Federal Pollution Control Act  | 12C-1                     | 09.05.1986            |
| Federal Pollution Control Act  | 13C-1                     | 17.05.1976            |
| Federal Pollution Control Act  | 13C-2                     | 24.07.1978            |
| Hessian Construction Ordinance | 13L-1                     | 15.10.1998            |
| Hessian Construction Ordinance | 13L-2                     | 29.03.2006            |
| Hessian Construction Ordinance | 14E-1                     | 24.10.1975            |
| Hessian Construction Ordinance | 15A-1                     | 03.11.1975            |
| Hessian Construction Ordinance | 15D-1                     | 30.03.1971            |
| Federal Pollution Control Act  | 15D-3                     | 07.11.1986            |
| Hessian Construction Ordinance | 18D-1                     | 14.07.1989            |
| Water legislation              | 19A-1                     | 25.08.1981            |
| Water legislation              | 19A-2                     | 29.01.2001            |
| Water legislation              | 19A-4                     | 11.02.2004            |
| Water legislation              | 19C-2                     | 28.09.1995            |
| Hessian Construction Ordinance | 19TL-1                    | 26.11.1973            |
| Hessian Construction Ordinance | 1B-1                      | 30.07.1991            |
| Hessian Construction Ordinance | 1B-2                      | 31.07.2001            |
| Federal Pollution Control Act  | 1D-2                      | 05.04.1976            |
| Hessian Construction Ordinance | 1F-1                      | 07.12.1960            |
| Hessian Construction Ordinance | 1G-1                      |                       |
| Trade Regulation Act           | 1TL-1A                    | 25.04.1966            |

| Field of law                        | Internal reference number | Date of approval      |
|-------------------------------------|---------------------------|-----------------------|
| Federal Pollution Control Act       | 1TL-2                     | 21.01.1988            |
| Federal Pollution Control Act       | 1TL-4                     | 28.04.1995            |
| Hessian Construction Ordinance      | 20A-3                     | 08.12.2008            |
| Federal Pollution Control Act       | 20C-1                     | 31.03.1976            |
| Federal Pollution Control Act (BSV) | 20C-11                    | 18.09.2007            |
| Federal Pollution Control Act (BIM) | 20C-11                    | 18.09.2007            |
| Federal Pollution Control Act       | 20C-12                    | 04.05.2009            |
| Federal Pollution Control Act       | 20C-4                     | 25.11.1997            |
| Federal Pollution Control Act       | 20C-6                     | 22.11.2000            |
| Federal Pollution Control Act       | 20C-6A                    | 21.01.1999            |
| Federal Pollution Control Act       | 20C-7                     | 11.07.2002            |
| Federal Pollution Control Act       | 20C-8                     | 04.05.2004            |
| Federal Pollution Control Act       | 20C-A1                    | 02.01.2006            |
| Federal Pollution Control Act       | 20C-A2                    | 28.11.2011            |
| Federal Pollution Control Act       | 20C-A3                    | 08.07.2015            |
| Hessian Construction Ordinance      | 20F-1                     | 31.07.1987            |
| Hessian Construction Ordinance      | 24C-1                     | 08.07.1959            |
| Hessian Construction Ordinance      | 24C-3                     | 08.04.1965            |
| Hessian Construction Ordinance      | 24F-1                     | 11.06.2014            |
| Hessian Construction Ordinance      | 25D-1                     | 21.10.1971            |
| Hessian Construction Ordinance      | 26C-1                     | 13.04.1959            |
| Hessian Construction Ordinance      | 26E-1                     | 17.03.2003            |
| Hessian Construction Ordinance      | 29D-1                     | 11.06.1975            |
| Hessian Construction Ordinance      | 29D-7                     | 24.01.2000            |
| Hessian Construction Ordinance      | 2C-15                     | 12.12.2002            |
| Trade Regulation Act                | 2C-2                      | 19.09.1966            |
| Water legislation                   | 2C-6                      | 28.10.1986;17.11.1988 |
| Federal Pollution Control Act       | 2G-2                      | 10.04.1987            |
| Hessian Construction Ordinance      | 30F-1                     | 17.12.1987            |
| Hessian Construction Ordinance      | 30F-2                     | 20.12.2001            |
| Hessian Construction Ordinance      | 31F-1                     | 19.09.1988            |
| Hessian Construction Ordinance      | 33D-1                     | 12.05.1997            |
| Hessian Construction Ordinance      | 36D-1                     | 22.01.2007            |

| Field of law                   | Internal reference number | Date of approval |
|--------------------------------|---------------------------|------------------|
| Sprengstoffgesetz              | 3C-1                      | 23.11.1973       |
| Hessian Construction Ordinance | 404M-1                    | 14.12.2010       |
| Hessian Construction Ordinance | 40C-1                     |                  |
| Federal Pollution Control Act  | 40C-2                     | 23.06.1989       |
| Hessian Construction Ordinance | 498M-1                    | 24.01.2000       |
| Hessian Construction Ordinance | 4D-1                      | 20.08.1954       |
| Trade Regulation Act           | 4D-2                      | 15.12.1954       |
| Trade Regulation Act           | 4D-3                      | 03.11.1955       |
| Hessian Construction Ordinance | 4F-1                      | 24.08.1977       |
| Federal Pollution Control Act  | 4G-3                      | 20.06.1986       |
| Other provisions               | 5/7F-7                    | 29.06.1994       |
| Hessian Construction Ordinance | 5B-1                      | 13.07.1989       |
| Hessian Construction Ordinance | 5D-1                      | 06.01.1955       |
| Hessian Construction Ordinance | 6D-1                      | 29.06.1971       |
| Hessian Construction Ordinance | 6F-3                      | 13.11.1975       |
| Hessian Construction Ordinance | 6F-6                      | 02.09.1991       |
| Federal Pollution Control Act  | 6G-5                      | 20.06.1986       |
| Hessian Construction Ordinance | 6L-1                      | 11.11.1985       |
| Hessian Construction Ordinance | 7E-14                     | 04.07.2000       |
| Hessian Construction Ordinance | 7G-1                      | 13.11.1975       |
| Federal Pollution Control Act  | 9/23C-1                   | 11.01.1983       |
| Hessian Construction Ordinance | 9D/10D-1                  | 09.08.1956       |
| Radiation Protection Act       | STV-16                    | 20.09.1985       |
| Radiation Protection Act       | STV-31                    | 09.11.1995       |
| Radiation Protection Act       | STV-35                    | 21.03.1996       |
| Radiation Protection Act       | STV-45                    | 19.01.1998       |
| Radiation Protection Act       | STV-59                    | 02.07.1999       |
| Radiation Protection Act       | STV-6                     | 21.01.1975       |

### **Annex 48.3.a**

#### **Plant-related and environmental law authorizations**

## I. Operating Unit KGaA Healthcare

## 1. Status: Authorised

| Field of law                             | Internal reference number | Date of approval      |
|------------------------------------------|---------------------------|-----------------------|
| Other provisions (Sonstige Vorschriften) | ARBZG-136                 | 25.07.2014;12.12.2016 |
| Other provisions                         | ARBZG-40                  | 23.09.2004            |
| Other provisions                         | ARBZG-59                  | 26.03.2008            |
| Other provisions                         | BIO4-1                    | 08.02.2001            |
| Other provisions                         | BIO5-1                    | 19.06.2001            |
| Other provisions                         | BIO5-2                    |                       |
| Gene Technology Law (Gentechnik-Gesetz)  | GEN10-1                   | 07.04.1993            |
| Gene Technology Law                      | GEN10-10                  | 23.01.2014            |
| Gene Technology Law                      | GEN10-11                  | 25.06.2014            |
| Gene Technology Law                      | GEN10-12                  | 20.11.2014            |
| Gene Technology Law                      | GEN10-13                  | 07.04.2016            |
| Gene Technology Law                      | GEN10-14                  | 10.11.2016            |
| Gene Technology Law                      | GEN10-2                   | 16.08.1994            |
| Gene Technology Law                      | GEN10-3                   | 17.11.1995            |
| Gene Technology Law                      | GEN10-4                   | 08.06.1998            |
| Gene Technology Law                      | GEN10-5                   | 01.08.2001            |
| Gene Technology Law                      | GEN10-6                   | 23.11.2005            |
| Gene Technology Law                      | GEN10-7                   | 09.10.2006            |
| Gene Technology Law                      | GEN10-8                   | 23.05.2008            |
| Gene Technology Law                      | GEN10-9                   | 22.10.2013            |
| Gene Technology Law                      | GEN11-1                   | 09.06.1994            |
| Gene Technology Law                      | GEN11-2                   | 09.02.1996            |
| Gene Technology Law                      | GEN11-3                   | 16.10.2001            |
| Gene Technology Law                      | GEN11-4                   | 22.03.2002            |
| Gene Technology Law                      | GEN11-5                   | 15.04.2004            |
| Gene Technology Law                      | GEN11-6                   | 13.08.2009            |
| Gene Technology Law                      | GEN11-7                   | 03.02.2015            |
| Gene Technology Law                      | GEN11-8                   | 23.05.2017            |
| Gene Technology Law                      | GEN12-10                  | 15.09.2006            |
| Gene Technology Law                      | GEN12-11                  | 05.02.2007            |
| Gene Technology Law                      | GEN12-12                  | 18.11.2009            |
| Gene Technology Law                      | GEN12-13                  | 20.10.2011            |
| Gene Technology Law                      | GEN12-14                  | 14.05.2014            |
| Gene Technology Law                      | GEN12-15                  | 16.12.2014            |
| Gene Technology Law                      | GEN12-16                  | 23.06.2015            |
| Gene Technology Law                      | GEN12-17                  | 15.10.2015            |
| Gene Technology Law                      | GEN12-18                  | 10.10.2016            |
| Gene Technology Law                      | GEN12-19                  | 24.01.2017            |
| Gene Technology Law                      | GEN12-2                   | 10.06.1994            |
| Gene Technology Law                      | GEN12-3                   | 15.12.1995            |
| Gene Technology Law                      | GEN12-4                   | 11.09.1997            |
| Gene Technology Law                      | GEN12-5                   | 07.08.1998            |
| Gene Technology Law                      | GEN12-6                   | 20.06.2000            |
| Gene Technology Law                      | GEN12-7                   | 02.08.2000            |
| Gene Technology Law                      | GEN12-8                   | 19.01.2001            |
| Gene Technology Law                      | GEN12-9                   | 26.03.2004            |
| Gene Technology Law                      | GEN14-1                   | 24.10.1995            |

| Field of law        | Internal reference number | Date of approval |
|---------------------|---------------------------|------------------|
| Gene Technology Law | GEN14-10                  | 26.03.2014       |
| Gene Technology Law | GEN14-11                  | 13.06.2016       |
| Gene Technology Law | GEN14-12                  | 02.12.2016       |
| Gene Technology Law | GEN14-2                   | 06.05.1998       |
| Gene Technology Law | GEN14-3                   | 19.12.2001       |
| Gene Technology Law | GEN14-4                   | 30.04.2003       |
| Gene Technology Law | GEN14-5                   | 22.10.2003       |
| Gene Technology Law | GEN14-6                   | 10.03.2010       |
| Gene Technology Law | GEN14-7                   | 30.04.2010       |
| Gene Technology Law | GEN14-8                   | 06.09.2011       |
| Gene Technology Law | GEN14-9                   | 26.02.2014       |
| Gene Technology Law | GEN17-1                   | 23.08.1997       |
| Gene Technology Law | GEN17-2                   | 19.01.2001       |
| Gene Technology Law | GEN17-3                   | 19.04.2001       |
| Gene Technology Law | GEN17-4                   | 29.04.2004       |
| Gene Technology Law | GEN17-5                   | 14.03.2007       |
| Gene Technology Law | GEN17-6                   | 17.02.2010       |
| Gene Technology Law | GEN17-7                   | 14.02.2012       |
| Gene Technology Law | GEN2-1                    | 23.10.1992       |
| Gene Technology Law | GEN2-10                   | 21.01.2013       |
| Gene Technology Law | GEN21-1                   | 07.08.1998       |
| Gene Technology Law | GEN2-11                   | 14.11.2013       |
| Gene Technology Law | GEN21-2                   | 01.11.1999       |
| Gene Technology Law | GEN2-12                   | 19.08.2014       |
| Gene Technology Law | GEN21-3                   | 17.01.2005       |
| Gene Technology Law | GEN2-13                   | 14.11.2014       |
| Gene Technology Law | GEN21-4                   | 22.08.2007       |
| Gene Technology Law | GEN2-14                   | 28.11.2014       |
| Gene Technology Law | GEN2-15                   | 07.04.2016       |
| Gene Technology Law | GEN2-16                   | 10.11.2016       |
| Gene Technology Law | GEN2-17                   | 24.01.2017       |
| Gene Technology Law | GEN2-2                    | 10.09.1993       |
| Gene Technology Law | GEN2-3                    | 02.04.1996       |
| Gene Technology Law | GEN2-4                    | 24.03.1998       |
| Gene Technology Law | GEN2-5                    | 07.06.1999       |
| Gene Technology Law | GEN2-6                    | 22.10.1999       |
| Gene Technology Law | GEN26-1                   | 14.09.2000       |
| Gene Technology Law | GEN26-2                   | 19.12.2001       |
| Gene Technology Law | GEN26-3                   | 30.04.2003       |
| Gene Technology Law | GEN26-4                   | 04.01.2010       |
| Gene Technology Law | GEN26-5                   | 07.02.2013       |
| Gene Technology Law | GEN26-6                   | 02.09.2015       |
| Gene Technology Law | GEN26-7                   | 03.05.2017       |
| Gene Technology Law | GEN2-7                    | 22.07.2009       |
| Gene Technology Law | GEN2-8                    | 18.05.2010       |
| Gene Technology Law | GEN2-9                    | 30.09.2011       |
| Gene Technology Law | GEN3-1                    | 12.01.1993       |
| Gene Technology Law | GEN31-1                   | 22.12.2004       |
| Gene Technology Law | GEN31-2                   | 02.09.2009       |
| Gene Technology Law | GEN31-3                   | 25.02.2010       |
| Gene Technology Law | GEN31-4                   | 24.11.2015       |
| Gene Technology Law | GEN31-5                   | 30.03.2016       |
| Gene Technology Law | GEN3-2                    | 02.04.1996       |
| Gene Technology Law | GEN32-1                   | 17.01.2005       |
| Gene Technology Law | GEN32-2                   | 22.03.2006       |
| Gene Technology Law | GEN32-3                   | 08.06.2009       |
| Gene Technology Law | GEN32-4                   | 08.09.2011       |
| Gene Technology Law | GEN32-5                   | 05.03.2013       |
| Gene Technology Law | GEN32-6                   | 24.02.2014       |

| Field of law                                                                                    | Internal reference number | Date of approval      |
|-------------------------------------------------------------------------------------------------|---------------------------|-----------------------|
| Gene Technology Law                                                                             | GEN3-3                    | 02.11.2005            |
| Gene Technology Law                                                                             | GEN3-4                    | 12.06.2006            |
| Gene Technology Law                                                                             | GEN3-5                    | 12.12.2011            |
| Gene Technology Law                                                                             | GEN35-1                   | 28.03.2008            |
| Gene Technology Law                                                                             | GEN35-2                   | 07.07.2010            |
| Gene Technology Law                                                                             | GEN35-3                   | 04.12.2012            |
| Gene Technology Law                                                                             | GEN35-4                   | 17.05.2013            |
| Gene Technology Law                                                                             | GEN35-5                   | 18.02.2014            |
| Gene Technology Law                                                                             | GEN3-6                    | 09.12.2013            |
| Gene Technology Law                                                                             | GEN3-7                    | 25.06.2014            |
| Gene Technology Law                                                                             | GEN3-8                    | 07.04.2016            |
| Gene Technology Law                                                                             | GEN3-9                    | 10.11.2016            |
| Gene Technology Law                                                                             | GEN39-1                   | 08.04.2010            |
| Gene Technology Law                                                                             | GEN39-2                   | 07.02.2013            |
| Gene Technology Law                                                                             | GEN39-3                   | 22.04.2016            |
| Gene Technology Law                                                                             | GEN39-4                   | 23.05.2017            |
| Gene Technology Law                                                                             | GEN40-1                   | 03.08.2010            |
| Gene Technology Law                                                                             | GEN40-2                   | 01.09.2011            |
| Gene Technology Law                                                                             | GEN40-3                   | 28.09.2011            |
| Gene Technology Law                                                                             | GEN40-4                   |                       |
| Gene Technology Law                                                                             | GEN40-5                   | 23.07.2014            |
| Gene Technology Law                                                                             | GEN40-6                   | 03.12.2014            |
| Gene Technology Law                                                                             | GEN40-7                   | 01.11.2017            |
| Gene Technology Law                                                                             | GEN42-1                   | 01.03.2012            |
| Gene Technology Law                                                                             | GEN42-2                   | 30.07.2013            |
| Gene Technology Law                                                                             | GEN42-4                   |                       |
| Other provisions                                                                                | INF4-1                    | 29.12.2005            |
| Other provisions                                                                                | INF4-2                    | 23.03.2006            |
| Other provisions                                                                                | INF4-3                    |                       |
| Other provisions                                                                                | INF4-4                    |                       |
| Other provisions                                                                                | INF4-5                    |                       |
| Other provisions                                                                                | INF4-6                    | 29.06.2016            |
| Other provisions                                                                                | INF4-7                    | 18.12.2017            |
| Other provisions                                                                                | INF7-1                    | 29.01.2008            |
| Other provisions                                                                                | INF9-1                    | 12.01.2010            |
| Other provisions                                                                                | PH80-3                    | 15.04.1998            |
| Water legislation (Wasserrecht)                                                                 | PH80-4                    | 07.06.2001            |
| Water legislation                                                                               | PH80-7                    | 10.05.2006            |
| Water legislation                                                                               | PH92-2                    | 01.08.2017            |
| Radiation Protection Act (Strahlenschutzverordnung)                                             | STV-107                   | 19.10.2005            |
| Radiation Protection Act                                                                        | STV-119                   | 26.02.2008            |
| Radiation Protection Act                                                                        | STV-126                   | 05.08.2009            |
| Radiation Protection Act                                                                        | STV-127                   | 23.10.2009            |
| Radiation Protection Act                                                                        | STV-141                   | 24.01.2014            |
| Radiation Protection Act                                                                        | STV-143                   | 05.02.2014            |
| Radiation Protection Act                                                                        | STV-41                    | 24.07.1997            |
| Radiation Protection Act                                                                        | STV-79                    | 12.02.2002            |
| Radiation Protection Act                                                                        | STV-89                    | 29.08.2003;21.10.2015 |
| Other provisions                                                                                | TIER-2                    | 24.01.2006            |
| Steam Boiler Ordinance (Dampfkessel-Verordnung)                                                 | U17-2                     | 23.12.1997            |
| Regulation inflammable materials (Verordnung brennbare Stoffe)                                  | U9-2                      | 13.12.1978            |
| Regulation inflammable materials ;Hessian Construction Ordinance (Hess. Construction Ordinance) | U9-2A                     | 13.12.1978            |

## Plant-related and environmental law authorizations

## 2. Status: expired

| Field of law        | Internal reference number | Date of approval |
|---------------------|---------------------------|------------------|
| Water legislation   | D15-2                     | 30.06.1923       |
| Gene Technology Law | GEN15-1                   | 24.10.1995       |
| Gene Technology Law | GEN15-2                   | 22.12.2004       |
| Gene Technology Law | GEN15-3                   | 12.05.2009       |
| Gene Technology Law | GEN15-4                   | 30.04.2010       |
| Gene Technology Law | GEN15-5                   | 06.09.2011       |
| Gene Technology Law | GEN15-6                   | 26.02.2014       |
| Gene Technology Law | GEN15-7                   | 11.03.2014       |
| Gene Technology Law | GEN18-1                   | 18.11.1998       |
| Gene Technology Law | GEN18-2                   | 26.08.2004       |
| Gene Technology Law | GEN18-3                   | 27.01.2005       |
| Gene Technology Law | GEN18-4                   | 21.04.2006       |
| Gene Technology Law | GEN18-5                   |                  |
| Gene Technology Law | GEN19-1                   | 10.11.1999       |
| Gene Technology Law | GEN19-2                   |                  |
| Gene Technology Law | GEN22-1                   | 22.10.1999       |
| Gene Technology Law | GEN22-2                   | 02.09.2009       |
| Gene Technology Law | GEN22-3                   | 20.10.2011       |
| Gene Technology Law | GEN22-4                   | 21.01.2013       |
| Gene Technology Law | GEN22-5                   | 07.08.2014       |
| Gene Technology Law | GEN23-1                   | 15.11.1999       |
| Gene Technology Law | GEN23-2                   | 23.06.2009       |
| Gene Technology Law | GEN23-3                   | 19.03.2013       |
| Gene Technology Law | GEN23-4                   | 07.08.2014       |
| Gene Technology Law | GEN28-1                   | 04.02.2002       |
| Gene Technology Law | GEN28-2                   | 06.05.2003       |
| Gene Technology Law | GEN28-3                   | 12.09.2003       |
| Gene Technology Law | GEN28-4                   | 02.10.2007       |
| Gene Technology Law | GEN28-5                   |                  |
| Gene Technology Law | GEN30-1                   | 05.02.2002       |
| Gene Technology Law | GEN30-2                   | 08.03.2013       |
| Gene Technology Law | GEN38-1                   | 25.06.2010       |
| Gene Technology Law | GEN38-2                   | 26.07.2010       |
| Gene Technology Law | GEN38-3                   | 04.02.2011       |
| Gene Technology Law | GEN38-4                   | 01.05.2012       |
| Gene Technology Law | GEN8-1                    | 08.05.1992       |

| Field of law        | Internal reference number | Date of approval |
|---------------------|---------------------------|------------------|
| Gene Technology Law | GEN8-2                    | 18.01.1993       |
| Gene Technology Law | GEN8-3                    | 08.03.1993       |
| Gene Technology Law | GEN8-4                    | 04.03.1993       |
| Gene Technology Law | GEN8-5                    | 23.10.1997       |
| Gene Technology Law | GEN8-6                    | 15.04.2004       |

## II. Operating Unit KGaA Life Science

## 1. Status: authorised

| Field of law                                                   | Internal reference number | Date of approval |
|----------------------------------------------------------------|---------------------------|------------------|
| Other provisions                                               | ARBZG-125                 | 14.04.2014       |
| Other provisions                                               | ARBZG-132                 | 14.04.2014       |
| Other provisions                                               | ARBZG-141                 | 07.08.2015       |
| Other provisions                                               | ARBZG-141A                | 26.01.2016       |
| Other provisions                                               | ARBZG-147                 | 01.02.2016       |
| Other provisions                                               | ARBZG-149                 | 19.04.2016       |
| Other provisions                                               | ARBZG-158                 |                  |
| Other provisions                                               | ARBZG-24                  | 10.12.2002       |
| Other provisions                                               | ARBZG-3                   | 15.08.2000       |
| Other provisions                                               | ARBZG-67                  | 30.10.2008       |
| Other provisions                                               | ARBZG-9                   | 27.04.2001       |
| Other provisions                                               | BIO007-2                  |                  |
| Other provisions                                               | BIO2-1                    | 07.12.2000       |
| Water legislation                                              | D11-7                     | 12.10.2016       |
| Hessian Construction Ordinance                                 | D30-1                     | 06.05.1983       |
| Hessian Construction Ordinance                                 | D30-10                    | 30.07.2010       |
| Water legislation                                              | D30-11                    | 16.02.2015       |
| Hessian Construction Ordinance                                 | D30-12                    |                  |
| Hessian Construction Ordinance                                 | D30-1A                    | 18.10.1983       |
| Regulation inflammable materials                               | D30-2                     | 15.09.1983       |
| Other provisions                                               | D30-3                     | 01.06.1988       |
| Federal Pollution Control Act                                  | D30-4                     | 11.07.1990       |
| Federal Pollution Control Act                                  | D30-5                     | 17.03.1993       |
| Federal Pollution Control Act                                  | D30-6                     | 03.07.2000       |
| Act on Explosives                                              | D30-7                     | 09.03.2000       |
| Act on Explosives                                              | D30-8                     | 26.03.2008       |
| Federal Pollution Control Act ;Operating Safety Ordinance      | D30-9                     | 03.03.2010       |
| Hessian Construction Ordinance                                 | D30-9A                    | 03.03.2010       |
| Water legislation                                              | D30-9C                    | 03.03.2010       |
| Federal Pollution Control Act (Bundes-Immissionsschutz-Gesetz) | D30-A1                    | 08.06.2010       |
| Federal Pollution Control Act                                  | D30-A2                    | 20.10.2015       |
| Water legislation                                              | D3-3                      | 06.11.1989       |
| Water legislation                                              | D33-14                    | 31.01.2012       |
| Other provisions                                               | D3-4                      | 30.03.1992       |
| Water legislation                                              | D3-5                      | 11.11.1998       |

| Field of law                   | Internal reference number | Date of approval                 |
|--------------------------------|---------------------------|----------------------------------|
| Hessian Construction Ordinance | E15-1                     | 09.06.1902                       |
| Hessian Construction Ordinance | E15-11                    | 08.12.1997                       |
| Water legislation              | E15-12                    | 06.06.2002                       |
| Federal Pollution Control Act  | E15-13                    | 26.04.2005                       |
| Federal Pollution Control Act  | E15-14                    | 13.06.2007                       |
| Hessian Construction Ordinance | E15-15                    | 05.09.2013                       |
| Hessian Construction Ordinance | E15-2                     | 10.06.1943                       |
| Hessian Construction Ordinance | E15-3                     | 23.09.1955                       |
| Hessian Construction Ordinance | E15-4                     | 23.12.1959                       |
| Federal Pollution Control Act  | E15-5                     | 08.12.1992                       |
| Hessian Construction Ordinance | E15-7                     | 14.09.1993                       |
| Water legislation              | E15-8                     | 01.04.1997                       |
| Federal Pollution Control Act  | E15-9                     | 11.06.1997                       |
| Federal Pollution Control Act  | E15-9A                    | 22.04.1996                       |
| Federal Pollution Control Act  | E15-A1                    | 08.07.2002                       |
| Other provisions               | EPPELHEIM-1               |                                  |
| Gene Technology Law            | GEN27-1                   | 19.02.2001                       |
| Gene Technology Law            | GEN27-2                   | 20.11.2013                       |
| Gene Technology Law            | GEN27-3                   | 13.01.2015;17.03.2015;11.03.2016 |
| Gene Technology Law            | GEN36-1                   | 09.12.2010                       |
| Gene Technology Law            | GEN36-2                   | 06.11.2012                       |
| Gene Technology Law            | GEN36-3                   | 29.08.2014                       |
| Gene Technology Law            | GEN36-4                   | 16.07.2015                       |
| Gene Technology Law            | GEN37-1                   | 05.02.2009                       |
| Gene Technology Law            | GEN37-2                   | 04.01.2010                       |
| Gene Technology Law            | GEN37-3                   | 01.02.2011                       |
| Gene Technology Law            | GEN37-4                   | 24.10.2013                       |
| Gene Technology Law            | GEN43-1                   | 12.11.2014                       |
| Water legislation              | H3-2                      | 20.08.1934                       |
| Other provisions               | INF11-1                   | 08.06.2010                       |
| Other provisions               | INF11-2                   | 15.11.2010                       |
| Other provisions               | INF12-1                   | 15.11.2010                       |
| Other provisions               | INF13-3                   |                                  |
| Federal Pollution Control Act  | J10/11-12                 | 11.07.1990                       |
| Federal Pollution Control Act  | J10/11-14                 | 29.11.1991                       |
| Hessian Construction Ordinance | J10/11-31                 | 23.03.2012                       |
| Other provisions               | J10/11-ALLG               |                                  |
| Hessian Construction Ordinance | J10-10                    | 11.11.1981                       |
| Hessian Construction Ordinance | J10-11                    | 28.01.1985                       |
| Trade Regulation Act           | J10-11B                   | 20.03.1985                       |
| Hessian Construction           | J10-13                    | 12.06.1991                       |

## Plant-related and environmental law authorizations

| Field of law                                                | Internal reference number | Date of approval      |
|-------------------------------------------------------------|---------------------------|-----------------------|
| Ordinance                                                   |                           |                       |
| Hessian Construction Ordinance                              | J10-15                    | 12.01.1994            |
| Regulation inflammable materials                            | J10-16                    | 23.11.1994            |
| Hessian Construction Ordinance                              | J10-17                    | 03.09.1997            |
| Water legislation                                           | J10-18                    | 22.09.1997            |
| Hessian Construction Ordinance                              | J10-19                    | 17.03.1997            |
| Hessian Construction Ordinance                              | J10-2                     | 06.01.1971            |
| Regulation inflammable materials                            | J10-20                    | 28.04.1997            |
| Water legislation                                           | J10-20A                   | 27.11.1997            |
| Water legislation                                           | J10-21                    | 16.09.1998            |
| Water legislation                                           | J10-22                    | 18.09.1998            |
| Federal Pollution Control Act                               | J10-23                    | 08.06.2000            |
| Hessian Construction Ordinance                              | J10-25                    | 19.11.1999            |
| Hessian Construction Ordinance                              | J10-27                    | 03.11.2003            |
| Hessian Construction Ordinance                              | J10-28                    | 06.07.2004            |
| Operating Safety Ordinance (Betriebs-Sicherheitsverordnung) | J10-29                    | 15.07.2011            |
| Hessian Construction Ordinance                              | J10-3                     | 22.01.1974            |
| Water legislation                                           | J10-32                    | 22.10.2012            |
| Water legislation                                           | J10-33                    | 24.07.2013            |
| Water legislation                                           | J10-34                    | 12.01.2016            |
| Hessian Construction Ordinance                              | J10-4                     | 03.01.1975            |
| Hessian Construction Ordinance                              | J10-6                     | 26.03.1975            |
| Hessian Construction Ordinance                              | J10-8                     | 29.10.1975            |
| Hessian Construction Ordinance                              | J10-9                     | 14.06.1977            |
| Hessian Construction Ordinance                              | J11-2                     | 22.01.1974            |
| Hessian Construction Ordinance                              | J28-1                     | 15.06.1982            |
| Water legislation                                           | J28-2                     | 04.05.1988            |
| Water legislation                                           | J28-3                     | 07.01.2015            |
| Hessian Construction Ordinance                              | J29-1                     | 16.05.1975            |
| Federal Pollution Control Act                               | J29-10                    | 12.03.1996            |
| Water legislation                                           | J29-11                    | 15.05.1997            |
| Hessian Construction Ordinance                              | J29-13                    | 14.05.2001            |
| Federal Pollution Control Act                               | J29-14                    | 24.02.2003            |
| Hessian Construction Ordinance                              | J29-14A                   | 24.02.2003            |
| Federal Pollution Control Act                               | J29-16                    | 19.11.2008            |
| Water legislation                                           | J29-17                    | 22.01.2010            |
| Federal Pollution Control Act                               | J29-18                    | 30.06.2014            |
| Federal Pollution Control Act                               | J29-2                     | 14.08.1978            |
| Hessian Construction Ordinance                              | J29-20                    | 23.06.2016            |
| Water legislation                                           | J29-21                    | 08.09.2016;17.10.2016 |

| Field of law                   | Internal reference number | Date of approval      |
|--------------------------------|---------------------------|-----------------------|
| Water legislation              | J29-22                    | 12.05.2016;18.10.2016 |
| Federal Pollution Control Act  | J29-24                    | 16.03.2017;13.12.2017 |
| Hessian Construction Ordinance | J29-24A                   |                       |
| Hessian Construction Ordinance | J29-3                     | 24.02.1983;14.02.1984 |
| Federal Pollution Control Act  | J29-4                     | 25.10.1985            |
| Federal Pollution Control Act  | J29-5                     | 02.09.1987            |
| Hessian Construction Ordinance | J29-6                     | 30.04.1986            |
| Federal Pollution Control Act  | J29-9                     | 13.05.1996            |
| Federal Pollution Control Act  | J29-9A                    | 24.03.1995            |
| Federal Pollution Control Act  | J29-A1                    | 19.10.2015            |
| Federal Pollution Control Act  | J29-A2                    | 24.03.2016            |
| Federal Pollution Control Act  | J29-V1                    | 19.10.1987            |
| Hessian Construction Ordinance | L20-1                     | 10.01.1970            |
| Water legislation              | L21/22-11                 | 02.07.1997            |
| Federal Pollution Control Act  | L21/22-13                 | 28.07.1999            |
| Hessian Construction Ordinance | L21/22-14                 | 09.11.2015            |
| Water legislation              | L21/22-15                 | 11.05.2005            |
| Water legislation              | L21/22-16                 | 03.09.2015            |
| Federal Pollution Control Act  | L21/22-7                  | 28.09.1994            |
| Federal Pollution Control Act  | L21/22-A1                 | 27.06.2000            |
| Hessian Construction Ordinance | L21-1                     | 15.01.1949            |
| Federal Pollution Control Act  | L21-17                    | 30.06.2014            |
| Water legislation              | L21-18                    | 18.02.2016            |
| Federal Pollution Control Act  | L21-3                     | 24.01.1986            |
| Federal Pollution Control Act  | L21-6                     | 29.05.1991            |
| Water legislation              | L21-9                     | 01.02.1993            |
| Hessian Construction Ordinance | L22-1                     | 18.01.1949            |
| Federal Pollution Control Act  | L22-10                    | 12.03.1996            |
| Federal Pollution Control Act  | L22-11                    | 31.05.2007            |
| Water legislation              | L22-12                    | 12.04.2005            |
| Water legislation              | L22-13                    | 08.01.2015            |
| Water legislation              | L22-14                    | 02.07.2015            |
| Federal Pollution Control Act  | L22-2                     | 24.03.1983            |
| Hessian Construction Ordinance | L22-3                     | 02.04.1981            |
| Water legislation              | L22-5                     | 09.04.1984            |
| Water legislation              | L22-6                     | 08.12.1987            |
| Water legislation              | L22-8                     | 04.03.1997            |
| Federal Pollution Control Act  | L22-9                     | 06.06.1995            |
| Federal Pollution Control Act  | L22-A1                    | 28.12.2007            |
| Federal Pollution Control Act  | L22-A2                    | 06.12.2016            |
| Federal Pollution Control Act  | L22-V1                    | 20.09.1991            |
| Federal Pollution              | M4-2                      | 04.08.1976            |

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| Control Act                    |                           |                       |
| Water legislation              | M4-4                      | 02.07.1997            |
| Federal Pollution Control Act  | M4-A1                     | 06.12.2016            |
| Federal Pollution Control Act  | M4-V1                     | 11.08.2017            |
| Steam Boiler Ordinance         | M6-3                      | 28.09.1994            |
| Water legislation              | M6-4                      | 02.07.1997            |
| Water legislation              | N13-3                     | 16.07.2014            |
| Trade Regulation Act           | N2-1                      | 22.07.1970            |
| Water legislation              | N2-10                     | 04.03.1997            |
| Water legislation              | N2-11                     | 02.07.1997            |
| Federal Pollution Control Act  | N2-12                     | 18.03.1996            |
| Federal Pollution Control Act  | N2-13                     | 18.03.1996            |
| Federal Pollution Control Act  | N2-14                     | 08.04.1999            |
| Water legislation              | N2-16                     | 27.05.2002            |
| Federal Pollution Control Act  | N2-17                     | 20.11.2002            |
| Trade Regulation Act           | N2-2                      | 10.12.1973            |
| Federal Pollution Control Act  | N2-20                     | 02.05.2011            |
| Federal Pollution Control Act  | N2-21                     | 14.06.2011            |
| Hessian Construction Ordinance | N2-22                     | 01.07.2014            |
| Water legislation              | N2-23                     | 13.09.2016            |
| Hessian Construction Ordinance | N2-3                      | 22.08.1980            |
| Hessian Construction Ordinance | N23-1                     | 06.11.1964            |
| Federal Pollution Control Act  | N23-10                    | 30.03.1993            |
| Hessian Construction Ordinance | N23-11                    | 26.09.1994            |
| Water legislation              | N23-12                    | 04.03.1997;14.04.2015 |
| Federal Pollution Control Act  | N23-13                    | 12.12.1995            |
| Federal Pollution Control Act  | N23-14                    | 29.09.1997            |
| Federal Pollution Control Act  | N23-14A                   | 02.04.1996            |
| Federal Pollution Control Act  | N23-15                    | 22.07.1996            |
| Federal Pollution Control Act  | N23-16                    | 09.03.1998            |
| Federal Pollution Control Act  | N23-17                    | 15.10.1997            |
| Federal Pollution Control Act  | N23-18                    | 10.03.1998            |
| Hessian Construction Ordinance | N23-20                    | 15.01.2004            |
| Hessian Construction Ordinance | N23-21                    | 19.04.2013            |
| Hessian Construction Ordinance | N23-3A                    | 15.08.1967            |
| Hessian Construction Ordinance | N23-4                     | 02.04.1981            |
| Hessian Construction Ordinance | N23-5                     | 24.03.1981            |
| Federal Pollution Control Act  | N23-6                     | 17.02.1983            |
| Federal Pollution Control Act  | N23-7                     | 13.02.1984            |
| Federal Pollution Control Act  | N23-8                     | 26.11.1984            |
| Federal Pollution Control Act  | N23-9                     | 12.06.1991            |

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| Federal Pollution Control Act                              | N23A-A1                   | 12.12.1996       |
| Federal Pollution Control Act                              | N23A-A2                   | 04.10.2004       |
| Federal Pollution Control Act                              | N23B-A1                   | 11.12.1996       |
| Hessian Construction Ordinance                             | N2-4                      | 27.09.1982       |
| Federal Pollution Control Act                              | N2-6                      | 26.04.1995       |
| Federal Pollution Control Act                              | N2-7                      | 11.04.1991       |
| Water legislation                                          | N27-3                     | 15.05.1997       |
| Water legislation                                          | N27-4                     | 14.05.2013       |
| Federal Pollution Control Act                              | N2-8                      | 18.07.1995       |
| Trade Regulation Act; Hessian Construction Ordinance (HBO) | N28-1                     | 19.07.1968       |
| Water legislation                                          | N28-4                     | 02.07.1997       |
| Water legislation                                          | N28-6                     | 14.06.2017       |
| Water legislation                                          | N2-9                      | 29.05.1992       |
| Federal Pollution Control Act                              | N2-A1                     | 30.10.2000       |
| Federal Pollution Control Act                              | N2-A2                     | 26.01.2001       |
| Federal Pollution Control Act                              | N2-A3                     | 05.03.2001       |
| Federal Pollution Control Act                              | N2-A4                     | 20.12.2002       |
| Federal Pollution Control Act                              | N2-A5                     | 04.10.2004       |
| Federal Pollution Control Act                              | N2-A6                     | 01.07.2010       |
| Federal Pollution Control Act                              | N2-A7                     | 29.12.2010       |
| Federal Pollution Control Act                              | N2-A8                     | 11.05.2011       |
| Federal Pollution Control Act                              | N2-A9                     | 23.06.2015       |
| Federal Pollution Control Act                              | N2-V1                     | 08.03.2011       |
| Water legislation                                          | N50-2                     | 08.09.2005       |
| Hessian Construction Ordinance                             | N69-1                     | 24.03.1981       |
| Water legislation                                          | N69-2                     | 12.07.1989       |
| Hessian Construction Ordinance                             | N69-3                     | 03.05.1990       |
| Water legislation                                          | N69-4                     | 03.04.2007       |
| Water legislation                                          | N70-11                    | 19.10.2010       |
| Water legislation                                          | N70-15                    | 08.10.2014       |
| Water legislation                                          | N70-3                     | 26.07.1991       |
| Other provisions                                           | N70-4                     | 08.01.1992       |
| Water legislation                                          | N70-5                     | 10.07.1992       |
| Water legislation                                          | N70-6                     | 27.11.1997       |
| Water legislation                                          | N70-7                     | 20.04.2000       |
| Water legislation                                          | N70-9                     | 14.05.2009       |
| Federal Pollution Control Act                              | N70-A1                    | 02.04.2012       |
| Hessian Construction Ordinance                             | N71-1                     | 30.09.1988       |
| Water legislation                                          | N71-2                     | 04.11.1988       |
| Federal Pollution Control Act                              | N71-3                     | 12.06.2003       |
| Federal Pollution Control Act                              | N71-4                     | 15.09.2000       |
| Water legislation                                          | N71-5                     | 20.04.2000       |
| Water legislation                                          | N71-6                     | 18.11.2003       |
| Hessian Construction Ordinance                             | N71-7                     | 31.10.2005       |

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| Federal Pollution Control Act    | N71-8                     | 02.07.2010                         |
| Hessian Construction Ordinance   | N71-9                     | 22.12.2014                         |
| Water legislation                | N72-2                     | 22.05.2014                         |
| Water legislation                | N76-1                     | 19.10.1999                         |
| Federal Pollution Control Act    | N77-5                     | 20.08.2001                         |
| Other provisions                 | N78/79-3                  | 02.07.1991                         |
| Federal Pollution Control Act    | N78/79-V1                 | 31.03.1995                         |
| Federal Pollution Control Act    | N78/79-V2                 | 03.07.2002                         |
| Federal Pollution Control Act    | N85-1                     | 25.05.1990                         |
| Federal Pollution Control Act    | N85-2                     | 26.04.1995                         |
| Federal Pollution Control Act    | N85-3                     | 29.05.2000                         |
| Water legislation                | N85-4                     | 06.07.1998                         |
| Federal Pollution Control Act    | N85-A1                    | 07.12.1998                         |
| Federal Pollution Control Act    | N88-1                     | 27.08.2015; 17.12.2015             |
| Federal Pollution Control Act    | N90-1                     | 08.04.1993                         |
| Hessian Construction Ordinance   | N90-1A                    |                                    |
| Regulation inflammable materials | N90-1B                    |                                    |
| Other provisions                 | N90-1C                    |                                    |
| Water legislation                | N90-1D                    |                                    |
| Water legislation                | N90-3                     | 04.07.1995                         |
| Other provisions                 | N90-4                     | 06.11.1995                         |
| Federal Pollution Control Act    | N90-5                     | 24.03.1999                         |
| Hessian Construction Ordinance   | N90-6                     | 27.04.2000                         |
| Hessian Construction Ordinance   | N90-7                     | 23.09.2002                         |
| Federal Pollution Control Act    | N90-8                     | 17.03.2003                         |
| Hessian Construction Ordinance   | N90-9                     | 17.10.2007                         |
| Federal Pollution Control Act    | N90-A1                    | 24.01.2002                         |
| Federal Pollution Control Act    | N90-A4                    | 17.12.2012                         |
| Federal Pollution Control Act    | N90-V1                    | 06.11.1996                         |
| Federal Pollution Control Act    | O30-1                     | 08.12.2009; 15.05.2014; 31.10.2016 |
| Hessian Construction Ordinance   | O30-1A                    | 20.02.2009                         |
| Water legislation                | O30-1B                    |                                    |
| Hessian Construction Ordinance   | O30-2                     | 26.10.2009                         |
| Hessian Construction Ordinance   | O30-3                     | 23.08.2011                         |
| Water legislation                | O30-4                     | 15.02.2012                         |
| Federal Pollution Control Act    | O30-A1                    | 19.10.2011                         |
| Federal Pollution Control Act    | O30-M1                    | 26.10.2012                         |
| Federal Pollution Control Act    | O30-M2                    | 25.03.2014                         |
| Hessian Construction Ordinance   | O33-1                     | 20.02.2009                         |
| Hessian Construction Ordinance   | P10-1A                    | 18.06.1904                         |
| Federal Pollution                | P10-3                     | 09.07.2004                         |

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|---------------------------------------------------|---------------------------|------------------|
| Control Act                                       |                           |                  |
| Federal Pollution Control Act                     | P10-A1                    | 10.03.1998       |
| Hessian Construction Ordinance                    | P11/12-1                  | 18.06.1904       |
| Hessian Construction Ordinance                    | P11/12-10                 | 25.01.2016       |
| Hessian Construction Ordinance                    | P11/12-2                  | 08.09.1942       |
| Federal Pollution Control Act                     | P11/12-3                  | 08.11.1977       |
| Federal Pollution Control Act                     | P11/12-4                  | 04.05.1993       |
| Federal Pollution Control Act                     | P11/12-5                  | 08.11.1993       |
| Federal Pollution Control Act                     | P11/12-6                  | 02.09.1997       |
| Federal Pollution Control Act                     | P11/12-6A                 | 08.05.1996       |
| Federal Pollution Control Act                     | P11/12-8                  | 03.09.2013       |
| Hessian Construction Ordinance                    | P11/12-9                  | 17.12.2015       |
| Federal Pollution Control Act                     | P11/12-A1                 | 25.06.2015       |
| Federal Pollution Control Act                     | P13/14-1                  |                  |
| Federal Pollution Control Act ; Water legislation | P13-2                     | 29.08.1990       |
| Hessian Construction Ordinance                    | P13-3                     | 15.10.2015       |
| Federal Pollution Control Act                     | P13-V1                    | 14.02.1995       |
| Regulation inflammable materials                  | P14-1                     | 08.12.1993       |
| Water legislation                                 | P14-1A                    | 08.12.1993       |
| Hessian Construction Ordinance                    | P14-1B                    | 08.12.1993       |
| Water legislation                                 | P5-11                     | 19.06.2006       |
| Operating Safety Ordinance                        | P5-12                     | 07.06.2006       |
| Water legislation                                 | P5-13                     | 16.07.2009       |
| Water legislation                                 | P5-14                     | 09.12.2014       |
| Water legislation                                 | P5-15                     | 20.11.2015       |
| Water legislation                                 | P5-4                      | 15.05.1997       |
| Regulation inflammable materials                  | P5-5                      | 02.05.1996       |
| Water legislation                                 | P5-6                      | 10.01.1997       |
| Regulation inflammable materials                  | P5-8                      | 14.12.2000       |
| Water legislation                                 | P5-9                      | 20.02.2001       |
| Federal Pollution Control Act                     | P9/10-3                   | 17.01.1984       |
| Federal Pollution Control Act                     | P9/10-4                   | 11.12.1992       |
| Water legislation                                 | P9/10-5                   | 05.02.1997       |
| Federal Pollution Control Act                     | P9/10-7                   | 28.10.1993       |
| Federal Pollution Control Act                     | P9/10-V1                  | 27.02.1990       |
| Federal Pollution Control Act                     | P9/10-V2                  | 08.03.1990       |
| Federal Pollution Control Act                     | P9/10-V3                  | 28.05.1993       |
| Federal Pollution Control Act                     | P9/10-V4                  | 22.03.1996       |
| Regulation inflammable materials                  | Q17-1                     | 03.10.1983       |

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|----------------------------------|---------------------------|------------------|
| Hessian Construction Ordinance   | Q17-1A                    | 03.10.1983       |
| Water legislation                | Q17-2                     | 30.07.1991       |
| Federal Pollution Control Act    | Q17-4                     | 08.06.2000       |
| Regulation inflammable materials | Q17-5                     | 17.12.2002       |
| Water legislation                | Q17-6                     | 30.08.2006       |
| Operating Safety Ordinance       | Q17-7                     | 21.03.2007       |
| Water legislation                | Q17-8                     | 05.08.2014       |
| Operating Safety Ordinance       | Q17-9                     | 22.09.2014       |
| Federal Pollution Control Act    | Q17-V1                    | 10.02.2006       |
| Hessian Construction Ordinance   | R15-1                     | 08.09.1978       |
| Regulation inflammable materials | R15-2                     | 08.09.1978       |
| Federal Pollution Control Act    | R15-4                     | 16.08.1995       |
| Federal Pollution Control Act    | R15-5                     | 14.10.1996       |
| Federal Pollution Control Act    | R15-6                     |                  |
| Federal Pollution Control Act    | R15-A1                    | 01.03.1999       |
| Water legislation                | R17-2                     | 02.04.2015       |
| Water legislation                | R23-2                     | 15.06.2010       |
| Water legislation                | R35-3                     | 26.03.1999       |
| Water legislation                | R36-5                     | 05.05.2010       |
| Water legislation                | ROHRB-27                  | 30.03.2006       |
| Water legislation                | ROHRB-40                  | 21.05.2015       |
| Water legislation                | ROHRB-41                  | 21.05.2015       |
| Trade Regulation Act             | SCHUCH-1                  | 01.10.1969       |
| Federal Pollution Control Act    | SCHUCH-2                  | 08.06.1989       |
| Federal Pollution Control Act    | SCHUCH-3                  | 27.02.1997       |
| Act on Explosives                | SPRENG-4                  | 14.03.2000       |
| Act on Explosives                | SPRENG-V1                 | 27.09.2005       |
| Water legislation                | V60-4                     | 25.09.2012       |
| Water legislation                | V61-4                     | 15.10.1997       |
| Water legislation                | V61-5                     | 14.12.2004       |
| Water legislation                | V61-6                     | 05.12.2006       |
| Hessian Construction Ordinance   | V62-1                     | 28.03.2000       |
| Hessian Construction Ordinance   | V62-1A                    |                  |
| Regulation inflammable materials | V62-2                     | 04.01.2000       |
| Hessian Construction Ordinance   | V63-1                     | 06.01.1975       |
| Water legislation                | V63-10                    | 27.11.1997       |
| Regulation inflammable materials | V63-11                    | 15.06.1998       |
| Federal Pollution Control Act    | V63-12                    | 08.06.2000       |
| Hessian Construction Ordinance   | V63-13                    | 17.09.1998       |
| Federal Pollution Control Act    | V63-15                    | 27.04.2000       |
| Regulation inflammable materials | V63-16                    | 30.08.2000       |
| Water legislation                | V63-17                    | 23.02.2004       |
| Water legislation                | V63-18                    | 27.01.2004       |

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| Water legislation                   | V63-19                    | 30.03.2004            |
| Hessian Construction Ordinance      | V63-2                     | 27.08.1979            |
| Regulation inflammable materials    |                           |                       |
| Water legislation                   | V63-20                    | 13.10.2004            |
| Water legislation                   | V63-21                    | 14.08.2006            |
| Operating Safety Ordinance          | V63-22                    | 28.07.2006            |
| Water legislation                   | V63-23                    | 14.03.2006            |
| Hessian Construction Ordinance      | V63-24                    | 22.12.2006            |
| Water legislation                   | V63-25                    | 19.03.2009            |
| Water legislation                   | V63-26                    | 07.05.2009            |
| Water legislation                   | V63-27                    |                       |
| Hessian Construction Ordinance      | V63-28                    | 12.06.2013            |
| Regulation inflammable materials    | V63-3                     | 11.02.1980            |
| Hessian Construction Ordinance      | V63-31                    | 21.08.2015            |
| Water legislation                   | V63-32                    | 13.10.2016            |
| Water legislation                   | V63-33                    | 24.04.2017            |
| Water legislation                   | V63-5                     | 25.06.1991            |
| Federal Pollution Control Act       | V63-7                     | 02.02.1993            |
| Water legislation                   | V63-8                     | 22.09.1997            |
| Water legislation                   | V63-9                     | 15.10.1997;27.03.2009 |
| Regulation inflammable materials    | V70-2                     | 06.02.1984            |
| Water legislation                   | V70-5                     | 22.09.1997            |
| Water legislation                   | V70-7                     | 13.10.2016            |
| Regulation inflammable materials    | X1/12-8                   | 24.06.1970            |
| Federal Pollution Control Act       | X1/20-10                  | 25.11.1991            |
| Federal Pollution Control Act       | X1/20-12                  | 20.10.2000            |
| Hessian Construction Ordinance      | X1/20-13                  | 03.08.2015            |
| Federal Pollution Control Act (VBF) | X1/20-9                   | 17.09.1980            |
| Federal Pollution Control Act (HBO) | X1/20-9                   | 17.09.1980            |
| Hessian Construction Ordinance      | X11-2                     | 17.05.1993            |
| Hessian Construction Ordinance      | X1-13                     | 11.05.2004            |
| Hessian Construction Ordinance      | X12-1                     | 11.05.2004            |
| Hessian Construction Ordinance      | X13-1                     |                       |
| Regulation inflammable materials    | X13-2                     |                       |
| Hessian Construction Ordinance      | X13-3                     | 03.08.2015            |
| Hessian Construction Ordinance      | X14-1                     |                       |
| Regulation inflammable materials    | X14-2                     |                       |
| Hessian Construction Ordinance      | X14-3                     | 03.08.2015            |
| Hessian Construction Ordinance      | X15-1                     |                       |
| Regulation inflammable              | X15-2                     |                       |

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| materials                        |                           |                       |
| Hessian Construction Ordinance   | X18-1                     |                       |
| Regulation inflammable materials | X18-2                     |                       |
| Hessian Construction Ordinance   | X19-1                     |                       |
| Regulation inflammable materials | X19-2                     |                       |
| Hessian Construction Ordinance   | X20/21-1                  | 28.03.1975            |
| Regulation inflammable materials | X20/21-1A                 | 26.03.1975            |
| Hessian Construction Ordinance   | X20-10                    | 15.07.1991            |
| Regulation inflammable materials | X20-11                    | 06.05.1991            |
| Water legislation                | X20-13                    | 30.06.1999            |
| Hessian Construction Ordinance   | X20-14                    | 05.06.1998            |
| Regulation inflammable materials | X20-15                    | 13.10.1998            |
| Regulation inflammable materials | X20-16                    | 06.11.1997            |
| Hessian Construction Ordinance   | X20-17                    | 08.05.1998            |
| Regulation inflammable materials | X20-18                    | 30.06.1999            |
| Water legislation                | X20-19                    | 22.02.2001            |
| Hessian Construction Ordinance   | X20-2                     | 28.02.1979            |
| Regulation inflammable materials | X20-20                    | 22.12.2000            |
| Regulation inflammable materials | X20-21                    | 19.08.2002            |
| Water legislation                | X20-22                    | 10.07.2006            |
| Hessian Construction Ordinance   | X20-24                    | 31.07.2007            |
| Regulation inflammable materials | X20-25                    | 15.07.2013            |
| Water legislation                | X20-26                    | 31.08.2010;23.04.2013 |
| Federal Pollution Control Act    | X20-27                    | 03.09.2013            |
| Hessian Construction Ordinance   | X20-29                    | 11.06.2014            |
| Hessian Construction Ordinance   | X20-2B                    |                       |
| Regulation inflammable materials | X20-3                     | 11.03.1988            |
| Operating Safety Ordinance       | X20-30                    | 29.01.2015            |
| Water legislation                | X20-31                    | 07.07.2015            |
| Hessian Construction Ordinance   | X20-4                     | 13.07.1988            |
| Regulation inflammable materials | X20-5                     | 06.07.1988            |
| Regulation inflammable materials | X20-6                     | 26.06.1990            |
| Regulation inflammable materials | X20-7                     | 08.01.1992            |

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| Water legislation                | X20-7A                    | 08.01.1992                          |
| Hessian Construction Ordinance   | X20-8                     | 06.05.1991                          |
| Regulation inflammable materials | X20-9                     | 02.10.1991                          |
| Hessian Construction Ordinance   | X2-1                      | 11.05.2004                          |
| Water legislation                | X22-4                     | 14.06.1999                          |
| Federal Pollution Control Act    | X22-V1                    | 23.08.2000                          |
| Hessian Construction Ordinance   | X30-1                     | 17.05.1993                          |
| Hessian Construction Ordinance   | X30-1A                    | 03.01.1994                          |
| Regulation inflammable materials | X35-2                     | 07.02.1995                          |
| Water legislation                | X35-3                     | 09.04.1996                          |
| Regulation inflammable materials | X35-4                     | 15.12.1997                          |
| Water legislation                | X35-5                     | 06.02.1998                          |
| Operating Safety Ordinance       | X35-7                     | 10.05.2006                          |
| Water legislation                | X35-8                     | 26.07.2006                          |
| Hessian Construction Ordinance   | X40-4                     | 01.02.2017                          |
| Hessian Construction Ordinance   | X4-2                      | 23.02.1995                          |
| Regulation inflammable materials | X4-3                      | 12.12.1994                          |
| Water legislation                | X4-3A                     |                                     |
| Hessian Construction Ordinance   | X5-1                      | 11.05.2004                          |
| Hessian Construction Ordinance   | X7-1                      | 11.05.2004                          |
| Hessian Construction Ordinance   | X9-2                      |                                     |
| Regulation inflammable materials | X9-3                      |                                     |
| Federal Pollution Control Act    | HOHENBRU NN-001           | 01.03.1950<br>Ergänzt am 27.04.1966 |
| Federal Pollution Control Act    | HOHENBRU NN-002           | 10.11.1960                          |
| Federal Pollution Control Act    | HOHENBRU NN-003           | 28.05.1962                          |
| Federal Pollution Control Act    | HOHENBRU NN-004           | 04.01.1965                          |
| Federal Pollution Control Act    | HOHENBRU NN-005           | 05.08.1965                          |
| Federal Pollution Control Act    | HOHENBRU NN-006           | 13.01.1969                          |
| Federal Pollution Control Act    | HOHENBRU NN-007           | 14.04.1969                          |
| Federal Pollution Control Act    | HOHENBRU NN-008           | 17.04.1969                          |
| Federal Pollution Control Act    | HOHENBRU NN-009           | 20.06.1969                          |
| Federal Pollution Control Act    | HOHENBRU NN-010           | 22.07.1969                          |
| Federal Pollution Control Act    | HOHENBRU NN-011           | 01.10.1969                          |
| Federal Pollution Control Act    | HOHENBRU NN-012           | 09.10.1969                          |
| Federal Pollution Control Act    | HOHENBRU NN-013           | 27.10.1969                          |
| Federal Pollution Control Act    | HOHENBRU NN-014           | 31.01.1970                          |
| Federal Pollution Control Act    | HOHENBRU                  | 12.02.1970                          |

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|-------------------------------|---------------------------|------------------------|
| Control Act                   | NN-015                    |                        |
| Federal Pollution Control Act | HOHENBRU NN-016           | 29.03.1974             |
| Federal Pollution Control Act | HOHENBRU NN-017           | 20.01.1975             |
| Federal Pollution Control Act | HOHENBRU NN-018           | 21.05.1975             |
| Water legislation             | HOHENBRU NN-019           | 1981 (?)               |
| Water legislation             | HOHENBRU NN-020           | 29.11.1984             |
| Water legislation             | HOHENBRU NN-021           | 29.11.1984             |
| Water legislation             | HOHENBRU NN-022           | 29.11.1984             |
| Water legislation             | HOHENBRU NN-023           | 29.11.1984             |
| Water legislation             | HOHENBRU NN-025           |                        |
| Water legislation             | HOHENBRU NN-026           |                        |
| Water legislation             | HOHENBRU NN-027           |                        |
| Water legislation             | HOHENBRU NN-028           |                        |
| Water legislation             | HOHENBRU NN-029           |                        |
| Water legislation             | HOHENBRU NN-030           |                        |
| Water legislation             | HOHENBRU NN-031           |                        |
| Water legislation             | HOHENBRU NN-032           |                        |
| Federal Pollution Control Act | HOHENBRU NN-033           | 04.09.1985             |
| Federal Pollution Control Act | HOHENBRU NN-034           | 12.05.1987             |
| Federal Pollution Control Act | HOHENBRU NN-035           | 14.01.1988             |
| Water legislation             | HOHENBRU NN-036           | 13.03.1988             |
| Federal Pollution Control Act | HOHENBRU NN-037           | 21.10.1988             |
| Federal Pollution Control Act | HOHENBRU NN-038           | 14.03.1989             |
| Federal Pollution Control Act | HOHENBRU NN-039           | 08.06.1989             |
| Federal Pollution Control Act | HOHENBRU NN-040           | 19.06.1989             |
| Federal Pollution Control Act | HOHENBRU NN-041           | 03.07.1989             |
| Federal Pollution Control Act | HOHENBRU NN-042           | 06.07.1989             |
| Federal Pollution Control Act | HOHENBRU NN-043           | 12.07.1989             |
| Federal Pollution Control Act | HOHENBRU NN-044           | 26.07.1989             |
| Federal Pollution Control Act | HOHENBRU NN-045           | 21.09.1989             |
| Federal Pollution Control Act | HOHENBRU NN-046           | 03.01.1989             |
| Federal Pollution Control Act | HOHENBRU NN-047           | 17.10.1989             |
| Federal Pollution Control Act | HOHENBRU NN-048           | Entwurf vom 09.03.1990 |
| Federal Pollution Control Act | HOHENBRU NN-049           | 19.04.1990             |
| Federal Pollution Control Act | HOHENBRU NN-050           | 31.05.1990             |
| Federal Pollution Control Act | HOHENBRU NN-051           | 21.06.1990             |
| Federal Pollution Control Act | HOHENBRU NN-052           | 05.11.1990             |

| Field of law                  | Internal reference number | Date of approval |
|-------------------------------|---------------------------|------------------|
| Federal Pollution Control Act | HOHENBRU NN-053           | 20.02.1991       |
| Federal Pollution Control Act | HOHENBRU NN-054           | 20.02.1991       |
| Federal Pollution Control Act | HOHENBRU NN-055           | 07.03.1991       |
| Water legislation             | HOHENBRU NN-056           | 21.03.1991       |
| Federal Pollution Control Act | HOHENBRU NN-057           | 22.04.1991       |
| Water legislation             | HOHENBRU NN-059           | 22.07.1991       |
| Water legislation             | HOHENBRU NN-060           | 22.07.1991       |
| Water legislation             | HOHENBRU NN-061           | 22.07.1991       |
| Water legislation             | HOHENBRU NN-062           | 25.07.1991       |
| Federal Pollution Control Act | HOHENBRU NN-063           | 10.01.1992       |
| Federal Pollution Control Act | HOHENBRU NN-064           | 21.01.1992       |
| Water legislation             | HOHENBRU NN-065           | 27.02.1992       |
| Federal Pollution Control Act | HOHENBRU NN-067           | 20.08.1992       |
| Federal Pollution Control Act | HOHENBRU NN-068           | 15.10.1992       |
| Federal Pollution Control Act | HOHENBRU NN-069           | 31.03.1994       |
| Federal Pollution Control Act | HOHENBRU NN-070           | 02.08.1995       |
| Federal Pollution Control Act | HOHENBRU NN-071           | 20.09.1995       |
| Federal Pollution Control Act | HOHENBRU NN-072           | 27.02.1997       |
| Federal Pollution Control Act | HOHENBRU NN-073           | 18.11.1997       |
| Federal Pollution Control Act | HOHENBRU NN-074           | 20.02.1998       |
| Federal Pollution Control Act | HOHENBRU NN-075           | 24.03.1998       |
| Federal Pollution Control Act | HOHENBRU NN-076           | 24.04.1998       |
| Federal Pollution Control Act | HOHENBRU NN-077           | 25.05.1999       |
| Federal Pollution Control Act | HOHENBRU NN-078           | 02.06.2000       |
| Federal Pollution Control Act | HOHENBRU NN-079           | 14.08.2000       |
| Federal Pollution Control Act | HOHENBRU NN-080           | 24.08.2000       |
| Federal Pollution Control Act | HOHENBRU NN-081           | 31.10.2000       |
| Federal Pollution Control Act | HOHENBRU NN-082           | 16.08.2002       |
| Federal Pollution Control Act | HOHENBRU NN-083           | 28.01.2004       |
| Federal Pollution Control Act | HOHENBRU NN-084           | 17.02.2004       |
| Federal Pollution Control Act | HOHENBRU NN-085           | 08.08.2004       |
| Federal Pollution Control Act | HOHENBRU NN-086           | 04.11.2004       |
| Water legislation             | HOHENBRU NN-087           | 22.02.2005       |
| Water legislation             | HOHENBRU NN-088           | 24.02.2005       |
| Water legislation             | HOHENBRU NN-089           | 24.02.2005       |
| Water legislation             | HOHENBRU NN-090           | 24.02.2005       |
| Federal Pollution Control Act | HOHENBRU                  | 28.02.2005       |



## Plant-related and environmental law authorizations

| Field of law                  | Internal reference number | Date of approval         |
|-------------------------------|---------------------------|--------------------------|
| Control Act                   | NN-092                    |                          |
| Federal Pollution Control Act | HOHENBRU NN-093           | 23.03.2005               |
| Federal Pollution Control Act | HOHENBRU NN-094           | 29.08.2005               |
| Federal Pollution Control Act | HOHENBRU NN-095           | 31.08.2005               |
| Federal Pollution Control Act | HOHENBRU NN-096           | 19.09.2005               |
| Federal Pollution Control Act | HOHENBRU NN-097           | 24.11.2005               |
| Federal Pollution Control Act | HOHENBRU NN-098           | 19.01.2006               |
| Federal Pollution Control Act | HOHENBRU NN-100           |                          |
| Construction Ordinance        | HOHENBRU NN-101           | 21.03.2006               |
| Federal Pollution Control Act | HOHENBRU NN-102           | 22.03.2006               |
| Federal Pollution Control Act | HOHENBRU NN-103           | 11.04.2006               |
| Federal Pollution Control Act | HOHENBRU NN-104           | 12.04.2006               |
| Federal Pollution Control Act | HOHENBRU NN-105           | 12.04.2006               |
| Federal Pollution Control Act | HOHENBRU NN-106           | 15.05.2006<br>03.11.2006 |
| Federal Pollution Control Act | HOHENBRU NN-107           | 31.05.2006               |
| Construction Ordinance        | HOHENBRU NN-108           | 11.08.2006               |
| Federal Pollution Control Act | HOHENBRU NN-109           | 23.10.2006               |
| Federal Pollution Control Act | HOHENBRU NN-110           | 23.10.2006<br>16.11.2006 |
| Federal Pollution Control Act | HOHENBRU NN-111           | 20.12.2006               |
| Federal Pollution Control Act | HOHENBRU NN-112           | 03.01.2007<br>02.03.2007 |
| Federal Pollution Control Act | HOHENBRU NN-113           | 09.01.2007               |
| Federal Pollution Control Act | HOHENBRU NN-114           | 16.02.2007<br>20.07.2007 |
| Federal Pollution Control Act | HOHENBRU NN-115           | 02.03.2007               |
| Federal Pollution Control Act | HOHENBRU NN-116           | 02.07.2007               |
| Federal Pollution Control Act | HOHENBRU NN-117           | 06.07.2007<br>04.10.2007 |
| Federal Pollution Control Act | HOHENBRU NN-118           | 06.05.2008               |
| Federal Pollution Control Act | HOHENBRU NN-119           | 09.05.2008<br>08.08.2008 |
| Federal Pollution Control Act | HOHENBRU NN-120           | 18.06.2008               |
| Federal Pollution Control Act | HOHENBRU NN-121           | 18.06.2008               |
| Federal Pollution Control Act | HOHENBRU NN-123           | 11.07.2008<br>01.09.2008 |
| Federal Pollution Control Act | HOHENBRU NN-125           | 29.09.2008               |
| Water legislation             | HOHENBRU NN-126           | 11.03.2009               |
| Water legislation             | HOHENBRU NN-127           | 11.03.2009               |
| Water legislation             | HOHENBRU NN-128           | 23.03.2009               |
| Water legislation             | HOHENBRU NN-129           | 27.04.2009               |
| Water legislation             | HOHENBRU NN-130           | 27.04.2009               |
| Federal Pollution Control Act | HOHENBRU NN-131           | 16.07.2009               |

| Field of law                  | Internal reference number | Date of approval            |
|-------------------------------|---------------------------|-----------------------------|
| Construction Ordinance        | HOHENBRU NN-132           | 28.04.2010                  |
| Federal Pollution Control Act | HOHENBRU NN-133           | 14.07.2010                  |
| Federal Pollution Control Act | HOHENBRU NN-134           | 18.08.2010                  |
| Federal Pollution Control Act | HOHENBRU NN-135           | 02.09.2010                  |
| Construction Ordinance        | HOHENBRU NN-137           | 23.09.2010                  |
| Federal Pollution Control Act | HOHENBRU NN-138           | 13.10.2010                  |
| Federal Pollution Control Act | HOHENBRU NN-139           | 11.11.2010                  |
| Construction Ordinance        | HOHENBRU NN-141           | 18.03.2011                  |
| Federal Pollution Control Act | HOHENBRU NN-142           | 24.03.2011<br>(08. 07.2011) |
| Construction Ordinance        | HOHENBRU NN-143           | 30.03.2011                  |
| Federal Pollution Control Act | HOHENBRU NN-144           | 07.04.2011                  |
| Construction Ordinance        | HOHENBRU NN-145           | 08.07.2011                  |
| Federal Pollution Control Act | HOHENBRU NN-146           | 04.10.2011                  |
| Federal Pollution Control Act | HOHENBRU NN-147           | 16.05.2012                  |
| Federal Pollution Control Act | HOHENBRU NN-148           | 31.05.2012                  |
| Federal Pollution Control Act | HOHENBRU NN-149           | 19.06.2012                  |
| Federal Pollution Control Act | HOHENBRU NN-150           | 19.07.2012                  |
| Federal Pollution Control Act | HOHENBRU NN-151           | 07.08.2012                  |
| Federal Pollution Control Act | HOHENBRU NN-152           | 07.06.2013                  |
| Construction Ordinance        | HOHENBRU NN-153           | 22.05.2014                  |
| Construction Ordinance        | HOHENBRU NN-154           | 28.05.2014                  |
| Construction Ordinance        | HOHENBRU NN-155           | 05.06.2014                  |
| Construction Ordinance        | HOHENBRU NN-156           | 17.04.2014                  |
| Construction Ordinance        | HOHENBRU NN-157           | 21.10.2014                  |
| Federal Pollution Control Act | HOHENBRU NN-158           | 25.11.2014                  |
| Federal Pollution Control Act | HOHENBRU NN-159           | 26.11.2014                  |
| Construction Ordinance        | HOHENBRU NN-160           | 28.11.2014                  |
| Construction Ordinance        | HOHENBRU NN-161           | 22.12.2014                  |
| Federal Pollution Control Act | HOHENBRU NN-162           | 12.01.2015                  |
| Construction Ordinance        | HOHENBRU NN-163           | 04.03.2015                  |
| Federal Pollution Control Act | HOHENBRU NN-164           | 04.03.2015                  |
| Federal Pollution Control Act | HOHENBRU NN-165           | 04.03.2015                  |
| Federal Pollution Control Act | HOHENBRU NN-166           | 05.03.2015                  |
| Federal Pollution Control Act | HOHENBRU NN-167           | 06.03.2015                  |
| Federal Pollution Control Act | HOHENBRU NN-168           | 11.03.2015                  |
| Federal Pollution Control Act | HOHENBRU NN-169           | 12.03.2015<br>10.04.2015    |
| Federal Pollution             | HOHENBRU                  | 13.05.2015                  |

| Field of law                  | Internal reference number | Date of approval         |
|-------------------------------|---------------------------|--------------------------|
| Control Act                   | NN-170                    |                          |
| Construction Ordinance        | HOHENBRU NN-171           | 28.05.2015               |
| Federal Pollution Control Act | HOHENBRU NN-172           | 21.07.2015               |
| Federal Pollution Control Act | HOHENBRU NN-173           | 03.08.2015<br>18.11.2016 |
| Construction Ordinance        | HOHENBRU NN-174           | 13.10.2016               |
| Construction Ordinance        | HOHENBRU NN-175           | 30.01.2017               |
| Federal Pollution Control Act | HOHENBRU NN-176           | 20.06.2017               |
| Federal Pollution Control Act | HOHENBRU NN-177           | 09.10.2017               |
| Federal Pollution Control Act | HOHENBRU NN-178           | 10.10.2017               |
| Federal Pollution Control Act | HOHENBRU NN-179           | 17.11.2017               |

## 2. Status: expired

| Area of law                           | Internal reference number | Date of approval |
|---------------------------------------|---------------------------|------------------|
| Act on Explosives                     | D30-2A                    | 08.01.1988       |
| Water legislation                     | D3-2                      | 14.03.1989       |
| Water legislation                     | D33-2                     | 04.01.1990       |
| Water legislation                     | D33-3                     | 14.05.1990       |
| Federal Pollution Control Act         | D33-7                     | 30.11.1995       |
| Federal Pollution Control Act         | D34-2                     | 13.10.1995       |
| Water legislation                     | D36-2                     | 08.08.1991       |
| Water legislation                     | D37-3                     | 04.07.2001       |
| Water legislation                     | F16/19-2                  | 28.10.1901       |
| Gene Technology Law                   | GEN24-1                   | 21.11.1999       |
| Gene Technology Law                   | GEN24-2                   | 21.03.2000       |
| Gene Technology Law                   | GEN24-3                   | 09.08.2002       |
| Gene Technology Law                   | GEN24-4                   | 18.11.2004       |
| Gene Technology Law                   | GEN24-5                   | 24.03.2011       |
| Trade Regulation Act (Gewerbeordnung) | GH/AF1-1                  | 22.03.1961       |
| Trade Regulation Act                  | GH/AF2-1                  | 22.03.1961       |
| Trade Regulation Act                  | GH/AF3-2                  | 22.03.1961       |
| Trade Regulation Act                  | GH/AF4-1                  |                  |
| Trade Regulation Act                  | GH/AF6-1                  |                  |
| Hessian Construction Ordinance        | J10-1                     | 09.04.1903       |
| Act on Explosives                     | J10-11A                   | 08.01.1988       |
| Hessian Construction Ordinance        | J10-26                    | 08.02.2002       |
| Regulation inflammable materials      | J10-5                     | 03.02.1976       |
| Regulation inflammable materials      | J10-7                     | 27.10.1975       |
| Regulation inflammable materials      | J10-9A                    | 14.06.1977       |
| Hessian Construction Ordinance        | J11-1                     | 22.04.1914       |
| Water legislation                     | J29-15                    | 05.02.2004       |
| Water legislation                     | J29-7                     | 11.10.1995       |
| Federal Pollution Control Act         | J29-8                     | 26.08.1991       |

| Area of law                                               | Internal reference number | Date of approval |
|-----------------------------------------------------------|---------------------------|------------------|
| Federal Pollution Control Act                             | L21/22-12                 | 12.03.1996       |
| Federal Pollution Control Act                             | L21-2                     | 29.11.1984       |
| Water legislation                                         | L21-5                     | 18.07.1988       |
| Federal Pollution Control Act                             | M4-3                      | 14.08.1991       |
| Federal Pollution Control Act                             | M4-5                      | 01.07.1997       |
| Federal Pollution Control Act                             | M4-5A                     | 02.04.1996       |
| Federal Pollution Control Act                             | M4-6                      | 23.07.2014       |
| Federal Pollution Control Act                             | N13/28-2                  | 17.02.1999       |
| Federal Pollution Control Act                             | N2-15                     | 17.08.2000       |
| Federal Pollution Control Act                             | N2-18                     | 17.03.2003       |
| Federal Pollution Control Act ;Water legislation          | N2-19                     | 02.08.2010       |
| Trade Regulation Act                                      | N23-2                     | 31.08.1965       |
| Trade Regulation Act                                      | N23-3                     | 15.08.1967       |
| Trade Regulation Act;Hessian Construction Ordinance (GEW) | N28-1                     | 19.07.1968       |
| Federal Pollution Control Act                             | N28-2                     | 22.01.1976       |
| Federal Pollution Control Act                             | N28-3                     | 06.03.1990       |
| Act on Explosives                                         | N68-3                     | 08.01.1988       |
| Federal Pollution Control Act                             | N77/83-2                  | 11.07.1990       |
| Federal Pollution Control Act                             | N77-3                     | 28.08.1992       |
| Federal Pollution Control Act                             | N78/79-2                  | 11.07.1990       |
| Federal Pollution Control Act                             | N78/79-4                  | 19.10.1995       |
| Act on Explosives                                         | N78-1A                    | 08.01.1988       |
| Water legislation                                         | N90-2                     | 21.01.1993       |
| Federal Pollution Control Act                             | O32-2                     |                  |
| Federal Pollution Control Act                             | P10-1                     | 11.11.1996       |
| Federal Pollution Control Act                             | P10-2                     | 17.05.1999       |
| Other provisions                                          | P10-2A                    | 11.11.1999       |
| Federal Pollution Control Act                             | P10-V1                    | 18.06.1999       |
| Federal Pollution Control Act                             | P13-2A                    | 29.08.1990       |
| Federal Pollution Control Act                             | P5-1                      | 03.10.1983       |
| Regulation inflammable materials                          | P5-1B                     |                  |
| Federal Pollution Control Act                             | P5-2                      | 14.07.1994       |
| Water legislation                                         | P5-3                      | 22.08.1995       |
| Federal Pollution Control Act                             | P5-7                      | 17.02.1999       |
| Federal Pollution Control Act                             | P9/10-3A                  | 24.10.1990       |
| Federal Pollution Control Act                             | P9/10-6                   |                  |
| Federal Pollution Control Act                             | P9/10-8                   | 17.02.1999       |
| Federal Pollution Control Act                             | Q17-3                     | 19.07.1994       |
| Regulation                                                | R15-3                     | 10.07.1990       |

| Area of law                         | Internal reference number | Date of approval        |
|-------------------------------------|---------------------------|-------------------------|
| inflammable materials               |                           |                         |
| Federal Pollution Control Act       | R37-1                     | 18.10.2007              |
| Federal Pollution Control Act       | R37-A1                    | 01.07.2008              |
| Water legislation                   | R50-2                     | 16.09.1998              |
| Water legislation                   | R50-3                     | 08.02.1999              |
| Federal Pollution Control Act       | R50-4                     | 17.02.1999              |
| Federal Pollution Control Act       | R51-1                     | 18.08.1998              |
| Water legislation                   | R51-1B                    |                         |
| Federal Pollution Control Act       | R51-2                     | 29.06.2000              |
| Federal Pollution Control Act       | R51-A1                    | 01.07.2008              |
| Water legislation                   | R52-1                     |                         |
| Federal Pollution Control Act       | S12-2                     |                         |
| Act on Explosives                   | SPRENG-1                  | 15.03.1971              |
| Act on Explosives                   | SPRENG-2                  | 12.11.1987              |
| Act on Explosives                   | SPRENG-3                  | 08.01.1988              |
| Hessian Construction Ordinance      | V63-4                     | 13.11.1991              |
| Water legislation                   | X 1/3-3                   | 02.07.1931              |
| Federal Pollution Control Act (BIM) | X1/20-9                   | 17.09.1980              |
| Regulation inflammable materials    | X1/3-1                    | 24.10.1930              |
| Hessian Construction Ordinance      | X1/3-2                    | 20.01.1931              |
| Hessian Construction Ordinance      | X1/3-6                    | 25.10.1952              |
| Hessian Construction Ordinance      | X1/4-4                    | 25.06.1952              |
| Regulation inflammable materials    | X1/4-5                    | 15.09.1952              |
| Hessian Construction Ordinance      | X1/4-7                    | 10.03.1967              |
| Regulation inflammable materials    | X20-12                    | 14.09.1994              |
| Federal Pollution Control Act       | X22-2                     | 11.07.1990              |
| Federal Pollution Control Act       | X22-3                     | 08.04.1998              |
| Federal Pollution Control Act       | X35-6                     | 17.02.1999              |
| Regulation inflammable materials    | X9-1                      | 30.11.1994              |
| Water legislation                   | HOHENBRU NN-024           | 29.11.1984              |
| Water legislation                   | HOHENBRU NN-058           | 22.07.1991              |
| Federal Pollution Control Act       | HOHENBRU NN-066           | 06.05.1992              |
| Water legislation                   | HOHENBRU NN-091           | 24.02.2005              |
| Federal Pollution Control Act       | HOHENBRU NN-099           | 21.03.2006              |
| Federal Pollution Control Act       | HOHENBRU NN-122           | 18.06.2008              |
| Federal Pollution Control Act       | HOHENBRU NN-124           | 17.07.2008 (07.11.2008) |
| Federal Pollution Control Act       | HOHENBRU NN-136           | 21.09.2010              |
| Federal Pollution Control Act       | HOHENBRU NN-140           | 26.11.2010 (03.01.2011) |

### III. Operating Unit KGaA Performance Materials

#### 1. Status: approved

| Field of law                                                                | Internal reference number | Date of approval      |
|-----------------------------------------------------------------------------|---------------------------|-----------------------|
| Other provisions                                                            | ARBZG-16                  | 18.12.2001            |
| Other provisions                                                            | ARBZG-2                   | 06.09.2000            |
| Other provisions                                                            | ARBZG-27                  | 11.11.2003            |
| Other provisions                                                            | ARBZG-33                  | 25.05.2004            |
| Other provisions                                                            | ARBZG-41                  | 25.10.2004            |
| Other provisions                                                            | ARBZG-88                  | 25.05.2011            |
| Water legislation                                                           | ASCO-3                    | 04.03.1997            |
| Federal Pollution Control Act                                               | ASCO-A11                  |                       |
| Other provisions                                                            | BIO6-1                    | 14.08.2001            |
| Hessian Construction Ordinance                                              | F1-1                      | 12.12.2002            |
| Hessian Construction Ordinance (WHG)                                        | F14-1                     |                       |
| Water legislation                                                           | F22-3                     | 08.11.2005            |
| Water legislation                                                           | F25-2                     | 26.01.2015            |
| Federal Pollution Control Act                                               | F27-1                     | 04.08.2011            |
| Operating Safety Ordinance ;Water legislation;Federal Pollution Control Act | F27-2                     | 06.02.2013            |
| Federal Pollution Control Act                                               | F27-3                     | 06.12.2016            |
| Water legislation                                                           | F61-4                     | 05.01.2015            |
| Hessian Construction Ordinance                                              | F8/9-14                   | 19.02.2001            |
| Federal Pollution Control Act                                               | F8-13                     | 19.10.1999            |
| Water legislation                                                           | F9-2                      | 25.04.2000            |
| Hessian Construction Ordinance                                              | F9-4                      | 19.02.2001            |
| Federal Pollution Control Act                                               | G1-10                     | 16.09.1992            |
| Federal Pollution Control Act                                               | G1-12                     | 28.08.1997            |
| Hessian Construction Ordinance                                              | G1-12A                    |                       |
| Regulation inflammable materials                                            | G1-12B                    |                       |
| Water legislation                                                           | G1-12C                    |                       |
| Water legislation                                                           | G1-13                     | 09.01.1997;27.05.2014 |
| Federal Pollution Control Act                                               | G1-14                     | 03.12.1993            |
| Federal Pollution Control Act                                               | G1-15                     |                       |
| Hessian Construction Ordinance                                              | G1-17                     | 03.06.1997            |
| Federal Pollution Control Act                                               | G1-18                     | 10.05.1999            |
| Hessian Construction Ordinance                                              | G1-19                     | 13.01.2000            |
| Hessian Construction Ordinance                                              | G1-2                      | 07.01.1970            |
| Federal Pollution Control Act                                               | G1-20                     | 29.09.2000            |
| Hessian Construction Ordinance                                              | G1-20A                    |                       |
| Hessian Construction Ordinance                                              | G1-21                     | 03.04.2001            |
| Federal Pollution Control Act                                               | G1-22                     | 05.09.2001            |
| Hessian Construction                                                        | G1-22A                    |                       |

## Plant-related and environmental law authorizations

| Field of law                                                                                            | Internal reference number | Date of approval      |
|---------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|
| Ordinance                                                                                               |                           |                       |
| Federal Pollution Control Act                                                                           | G1-23                     | 27.09.2002            |
| Hessian Construction Ordinance                                                                          | G1-23A                    | 27.09.2002            |
| Federal Pollution Control Act ;Water legislation;Hessian Construction Ordinance ;Steam Boiler Ordinance | G1-24                     | 12.12.2002            |
| Federal Pollution Control Act                                                                           | G1-25                     | 20.08.2003            |
| Water legislation                                                                                       | G1-28                     | 22.08.2003            |
| Federal Pollution Control Act                                                                           | G1-29                     | 13.04.2006            |
| Hessian Construction Ordinance                                                                          | G1-29A                    | 13.04.2006            |
| Federal Pollution Control Act                                                                           | G1-3                      | 18.10.1974            |
| Federal Pollution Control Act                                                                           | G1-30                     | 04.10.2006            |
| Hessian Construction Ordinance                                                                          | G1-30A                    |                       |
| Federal Pollution Control Act                                                                           | G1-31                     | 26.01.2009            |
| Federal Pollution Control Act                                                                           | G1-32                     | 14.04.2010            |
| Hessian Construction Ordinance                                                                          | G1-33                     | 19.07.2011            |
| Federal Pollution Control Act                                                                           | G1-34                     | 20.08.2014            |
| Federal Pollution Control Act                                                                           | G1-35                     | 16.01.2014;11.09.2014 |
| Federal Pollution Control Act                                                                           | G1-36                     | 03.09.2013            |
| Water legislation                                                                                       | G1-37                     | 11.06.2014            |
| Water legislation                                                                                       | G1-38                     | 09.09.2014            |
| Regulation inflammable materials                                                                        | G1-4                      | 11.03.1975            |
| Water legislation                                                                                       | G1-40                     | 16.03.2016            |
| Hessian Construction Ordinance                                                                          | G1-5                      | 25.08.1975            |
| Hessian Construction Ordinance                                                                          | G1-5A                     | 11.12.1979            |
| Federal Pollution Control Act                                                                           | G1-6                      | 06.05.1976            |
| Regulation inflammable materials                                                                        | G1-6A                     |                       |
| Federal Pollution Control Act                                                                           | G1-7                      | 14.12.1981            |
| Federal Pollution Control Act                                                                           | G1-A1                     | 20.12.1996            |
| Federal Pollution Control Act                                                                           | G1-A10                    | 19.03.2015            |
| Federal Pollution Control Act                                                                           | G1-A11                    | 16.04.2015            |
| Federal Pollution Control Act                                                                           | G1-A13                    | 08.07.2016            |
| Federal Pollution Control Act                                                                           | G1-A2                     | 06.01.1999            |
| Federal Pollution Control Act                                                                           | G1-A3                     | 02.02.2000            |
| Federal Pollution Control Act                                                                           | G1-A4                     | 29.06.2000            |
| Federal Pollution Control Act                                                                           | G1-A5                     | 03.07.2001            |
| Federal Pollution Control Act                                                                           | G1-A6                     | 18.04.2002            |
| Federal Pollution Control Act                                                                           | G1-A7                     | 02.10.2002            |

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| Federal Pollution Control Act                         | G1-A8                     | 08.02.2005            |
| Federal Pollution Control Act                         | G1-A9                     | 22.04.2005            |
| Federal Pollution Control Act                         | G20-1                     | 20.10.1999            |
| Federal Pollution Control Act                         | G20-10                    | 02.04.2007            |
| Hessian Construction Ordinance                        | G20-11                    | 15.08.2008            |
| Federal Pollution Control Act                         | G20-12                    | 14.06.2006            |
| Federal Pollution Control Act                         | G20-13                    | 01.03.2010            |
| Water legislation                                     | G20-14                    | 28.05.2010            |
| Water legislation                                     | G20-14A                   | 13.10.2010            |
| Federal Pollution Control Act                         | G20-15                    | 28.05.2014            |
| Federal Pollution Control Act                         | G20-16                    | 29.12.2010            |
| Federal Pollution Control Act                         | G20-17                    | 25.04.2013            |
| Federal Pollution Control Act                         | G20-18                    | 19.09.2013            |
| Hessian Construction Ordinance                        | G20-19                    | 17.10.2013            |
| Hessian Construction Ordinance                        | G20-1A                    | 02.11.1999            |
| Federal Pollution Control Act ;Steam Boiler Ordinance | G20-2                     | 10.12.2001            |
| Federal Pollution Control Act                         | G20-20                    | 03.09.2013            |
| Federal Pollution Control Act ;Water legislation      | G20-21                    | 13.08.2015            |
| Water legislation                                     | G20-22                    | 22.07.2014;20.11.2014 |
| Water legislation                                     | G20-23                    | 13.08.2014            |
| Water legislation                                     | G20-24                    | 14.01.2015            |
| Hessian Construction Ordinance                        | G20-2A                    |                       |
| Other provisions                                      | G20-3                     | 03.11.1998            |
| Hessian Construction Ordinance                        | G20-4                     | 31.08.2001            |
| Hessian Construction Ordinance                        | G20-5                     | 15.11.2001            |
| Federal Pollution Control Act                         | G20-6                     | 30.07.2003            |
| Water legislation                                     | G20-7                     | 11.08.2003            |
| Hessian Construction Ordinance                        | G20-8                     | 29.01.2004            |
| Hessian Construction Ordinance                        | G20-9                     | 15.08.2001            |
| Federal Pollution Control Act                         | G20-A1                    | 06.02.2003            |
| Federal Pollution Control Act                         | G20-A10                   | 21.01.2009            |
| Federal Pollution Control Act                         | G20-A11                   | 08.09.2009            |
| Federal Pollution Control Act                         | G20-A12                   | 23.06.2008            |
| Federal Pollution Control Act                         | G20-A13                   | 02.02.2015            |
| Federal Pollution Control Act                         | G20-A14                   | 23.02.2015            |
| Federal Pollution Control Act                         | G20-A16                   | 30.05.2016            |
| Federal Pollution Control Act                         | G20-A2                    | 29.07.2004            |
| Federal Pollution Control Act                         | G20-A3                    | 28.06.2005            |
| Water legislation                                     | G20-A4                    | 04.05.2006            |

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| Federal Pollution Control Act                                                                                      | G20-A5                    | 15.12.2005                       |
| Federal Pollution Control Act                                                                                      | G20-A6                    | 16.05.2006                       |
| Federal Pollution Control Act                                                                                      | G20-A7                    | 10.07.2006                       |
| Federal Pollution Control Act                                                                                      | G20-A8                    | 16.05.2007                       |
| Federal Pollution Control Act                                                                                      | G20-A9                    | 17.11.2008                       |
| Other provisions                                                                                                   | G20-ALLG                  |                                  |
| Federal Pollution Control Act                                                                                      | G2-1                      | 17.03.1982                       |
| Regulation inflammable materials                                                                                   | G2-1A                     |                                  |
| Water legislation                                                                                                  | G2-2                      | 21.06.1999                       |
| Hessian Construction Ordinance                                                                                     | G2-3                      | 27.01.2015                       |
| Water legislation                                                                                                  | G2-4                      | 16.04.2015                       |
| Water legislation                                                                                                  | G2-5                      | 17.09.2015                       |
| Hessian Construction Ordinance                                                                                     | G8-1                      | 25.08.1975                       |
| Hessian Construction Ordinance                                                                                     | G8-3                      | 19.12.1991                       |
| Federal Pollution Control Act ;Regulation inflammable materials ;Hessian Construction Ordinance ;Water legislation | G8-5                      | 27.11.2001;17.11.2003;18.05.2004 |
| Federal Pollution Control Act                                                                                      | G8-6                      | 28.01.2009                       |
| Hessian Construction Ordinance                                                                                     | G8-7                      | 02.06.2015                       |
| Hessian Construction Ordinance                                                                                     | G8-8                      | 24.11.2016                       |
| Federal Pollution Control Act                                                                                      | G8-A1                     | 02.11.2005                       |
| Gene Technology Law                                                                                                | GEN33-1                   | 17.01.2007                       |
| Gene Technology Law                                                                                                | GEN33-2                   | 09.06.2009                       |
| Gene Technology Law                                                                                                | GEN33-3                   | 05.04.2011                       |
| Gene Technology Law                                                                                                | GEN33-4                   | 27.08.2013                       |
| Federal Pollution Control Act                                                                                      | GH/OF11-A1                |                                  |
| Federal Pollution Control Act                                                                                      | GREIFSWAL D-1             | 26.06.2012                       |
| Hessian Construction Ordinance                                                                                     | H2-1                      | 10.12.1959                       |
| Hessian Construction Ordinance                                                                                     | H2-2                      | 18.01.1965                       |
| Hessian Construction Ordinance                                                                                     | H2-4                      | 10.06.1992                       |
| Federal Pollution Control Act                                                                                      | H24/26-A2                 | 12.03.2014                       |
| Water legislation                                                                                                  | H2-5                      | 07.06.2001                       |
| Hessian Construction Ordinance                                                                                     | H2-6                      | 20.08.2002                       |
| Hessian Construction Ordinance                                                                                     | H2-7                      | 01.12.2003                       |
| Federal Pollution Control Act                                                                                      | H2-8                      | 19.07.2013                       |
| Federal Pollution Control Act                                                                                      | H2-9                      | 23.05.2014                       |
| Hessian Construction Ordinance                                                                                     | H4/6/8/9-2                | 23.06.1914                       |
| Hessian Construction Ordinance                                                                                     | H4-1                      | 03.03.1969                       |

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| Federal Pollution Control Act  | H4-11                     | 17.03.2016            |
| Hessian Construction Ordinance | H4-12                     | 27.01.2014            |
| Hessian Construction Ordinance | H4-13                     | 24.07.2014            |
| Federal Pollution Control Act  | H4-14                     | 27.04.2015            |
| Hessian Construction Ordinance | H4-2                      | 25.08.1975            |
| Hessian Construction Ordinance | H4-3A                     | 10.02.1978            |
| Hessian Construction Ordinance | H4-7                      | 10.10.1996            |
| Federal Pollution Control Act  | H4-A1                     | 09.03.2017            |
| Other provisions               | INF0-1                    |                       |
| Other provisions               | INF0-3                    |                       |
| Water legislation              | J35/51-1                  | 02.07.1997            |
| Water legislation              | J35/51-2                  | 25.07.2002            |
| Federal Pollution Control Act  | J35/51-3                  | 03.09.2013            |
| Federal Pollution Control Act  | J36-1                     | 30.04.1975            |
| Federal Pollution Control Act  | J36-10                    | 30.11.1998            |
| Federal Pollution Control Act  | J36-11                    | 13.03.2003            |
| Federal Pollution Control Act  | J36-12                    | 07.09.2004            |
| Federal Pollution Control Act  | J36-13                    | 07.11.2006            |
| Hessian Construction Ordinance | J36-13A                   |                       |
| Federal Pollution Control Act  | J36-14                    | 27.03.2009;13.09.2016 |
| Hessian Construction Ordinance | J36-15                    | 29.09.2011            |
| Federal Pollution Control Act  | J36-16                    | 17.11.2014            |
| Federal Pollution Control Act  | J36-17                    | 03.09.2013            |
| Hessian Construction Ordinance | J36-18                    | 13.04.2015            |
| Federal Pollution Control Act  | J36-19                    | 18.06.2015            |
| Federal Pollution Control Act  | J36-2                     | 30.12.1982            |
| Hessian Construction Ordinance | J36-20                    | 10.06.2016            |
| Water legislation              | J36-21                    | 29.09.2016            |
| Federal Pollution Control Act  | J36-3                     | 14.12.1983            |
| Federal Pollution Control Act  | J36-5                     | 06.09.1994            |
| Water legislation              | J36-6                     | 06.01.1997;21.03.2016 |
| Federal Pollution Control Act  | J36-8                     | 11.03.1996            |
| Federal Pollution Control Act  | J36-9                     | 05.03.1996            |
| Federal Pollution Control Act  | J36-A1                    | 26.09.2001            |
| Federal Pollution Control Act  | J36-A2                    | 03.06.2003            |
| Federal Pollution Control Act  | J36-A3                    | 17.12.2004            |
| Federal Pollution Control Act  | J36-A5                    | 15.12.2005            |
| Federal Pollution Control Act  | J36-A6                    | 05.04.2006            |
| Federal Pollution Control Act  | J36-A8                    | 23.06.2008            |

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| Federal Pollution Control Act    | J36-V1                    | 08.02.1991       |
| Regulation inflammable materials | J37-2                     | 01.02.1989       |
| Operating Safety Ordinance       | J37-3                     | 28.11.2006       |
| Water legislation                | J37-4                     | 19.09.2007       |
| Federal Pollution Control Act    | J38-6                     |                  |
| Hessian Construction Ordinance   | J39-1                     | 18.06.1913       |
| Federal Pollution Control Act    | J39-10                    | 17.09.2010       |
| Federal Pollution Control Act    | J39-11                    | 03.09.2013       |
| Federal Pollution Control Act    | J39-12                    | 17.09.2015       |
| Federal Pollution Control Act    | J39-13                    | 13.09.2016       |
| Hessian Construction Ordinance   | J39-14                    | 10.07.2017       |
| Federal Pollution Control Act    | J39-15                    | 02.11.2017       |
| Hessian Construction Ordinance   | J39-2                     | 20.06.1919       |
| Hessian Construction Ordinance   | J39-3                     | 04.10.1946       |
| Federal Pollution Control Act    | J39-4                     | 13.11.1985       |
| Federal Pollution Control Act    | J39-5                     | 31.01.1991       |
| Water legislation                | J39-6                     | 06.01.1997       |
| Federal Pollution Control Act    | J39-7                     | 19.11.1993       |
| Federal Pollution Control Act    | J39-8                     | 04.04.1997       |
| Federal Pollution Control Act    | J39-8A                    | 31.01.1996       |
| Federal Pollution Control Act    | J39-9                     | 05.03.1996       |
| Federal Pollution Control Act    | J39-A1                    | 10.07.1998       |
| Federal Pollution Control Act    | J39-A2                    | 23.09.2005       |
| Hessian Construction Ordinance   | J40-1                     | 02.06.1998       |
| Hessian Construction Ordinance   | J40-2                     | 29.06.2017       |
| Hessian Construction Ordinance   | J43-1                     | 05.05.1922       |
| Hessian Construction Ordinance   | J43-3                     | 10.07.2017       |
| Hessian Construction Ordinance   | J44-2                     | 29.06.2017       |
| Water legislation                | J45-1                     | 02.05.2016       |
| Hessian Construction Ordinance   | J45-2                     | 10.07.2017       |
| Regulation inflammable materials | J51-1B                    | 01.02.1989       |
| Water legislation                | J51-2                     | 24.09.2004       |
| Water legislation                | J51-3                     | 30.09.2004       |
| Federal Pollution Control Act    | K12-10                    | 29.07.1993       |
| Federal Pollution Control Act    | K12-11                    | 11.06.1996       |
| Federal Pollution Control Act    | K12-12                    | 27.09.1995       |
| Federal Pollution Control Act    | K12-13                    | 13.09.2000       |
| Water legislation                | K12-14                    | 08.01.2002       |
| Water legislation                | K12-15                    | 06.03.2001       |

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| Regulation inflammable materials                                                                            | K12-16B                   |                       |
| Water legislation                                                                                           | K12-16C                   | 10.06.2002            |
| Water legislation                                                                                           | K12-18                    | 21.12.2004            |
| Federal Pollution Control Act                                                                               | K12-22                    | 03.09.2013            |
| Federal Pollution Control Act                                                                               | K12-3                     | 03.05.1983            |
| Regulation inflammable materials                                                                            | K12-3A                    |                       |
| Water legislation                                                                                           | K12-9                     | 20.12.1996            |
| Federal Pollution Control Act                                                                               | K12-V1                    | 18.12.1985            |
| Federal Pollution Control Act                                                                               | K12-V2                    | 08.03.1991            |
| Federal Pollution Control Act                                                                               | K12-V3                    | 24.07.1991            |
| Federal Pollution Control Act                                                                               | K12-V4                    | 30.05.1995            |
| Federal Pollution Control Act                                                                               | K15-5                     | 19.10.1999            |
| Regulation inflammable materials                                                                            | K18-11                    | 10.06.2002            |
| Water legislation                                                                                           | K18-12                    | 05.12.2005            |
| Water legislation                                                                                           | K18-13                    | 18.02.2016            |
| Water legislation                                                                                           | K18-5                     | 28.04.1943            |
| Water legislation                                                                                           | K23-1                     | 06.06.2000            |
| Water legislation                                                                                           | K23-2                     | 28.11.2001            |
| Water legislation                                                                                           | K23-3                     | 12.01.2006            |
| Water legislation                                                                                           | K23-4                     | 27.10.2014            |
| Federal Pollution Control Act ;Water legislation;Hessian Construction Ordinance ;Operating Safety Ordinance | K27-1                     | 26.10.2016;25.08.2017 |
| Hessian Construction Ordinance                                                                              | K29-1                     | 25.03.2014            |
| Water legislation                                                                                           | K4-2                      | 14.06.2017            |
| Water legislation                                                                                           | L17-2                     | 01.03.2012            |
| Water legislation                                                                                           | L17-3                     | 01.10.2012            |
| Water legislation                                                                                           | L17-5                     | 13.06.2016            |
| Hessian Construction Ordinance                                                                              | L29-1                     | 19.04.1912            |
| Federal Pollution Control Act                                                                               | L29-10                    | 29.03.1994            |
| Federal Pollution Control Act                                                                               | L29-11                    | 31.01.1996            |
| Federal Pollution Control Act                                                                               | L29-12                    | 09.01.1998            |
| Water legislation                                                                                           | L29-14                    | 19.12.2000;27.02.2013 |
| Federal Pollution Control Act                                                                               | L29-15                    | 31.03.2006            |
| Federal Pollution Control Act                                                                               | L29-16                    | 23.01.2008            |
| Water legislation                                                                                           | L29-17                    | 20.06.2007            |
| Federal Pollution Control Act                                                                               | L29-18                    | 31.08.2007            |
| Hessian Construction Ordinance                                                                              | L29-19                    | 08.12.2008            |
| Hessian Construction Ordinance                                                                              | L29-2                     | 22.10.1920            |
| Hessian Construction Ordinance                                                                              | L29-20                    | 23.06.2009            |
| Hessian Construction Ordinance                                                                              | L29-21                    | 30.04.2013            |
| Federal Pollution Control Act                                                                               | L29-22                    | 03.09.2013            |

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| Federal Pollution Control Act                       | L29-23                    | 31.03.2015;22.06.2015 |
| Hessian Construction Ordinance                      | L29-3                     | 10.10.1946            |
| Hessian Construction Ordinance                      | L29-4                     | 25.03.1959            |
| Federal Pollution Control Act                       | L29-5                     | 25.09.1979            |
| Federal Pollution Control Act                       | L29-6                     | 09.03.1981            |
| Federal Pollution Control Act                       | L29-7                     | 16.08.1983            |
| Water legislation                                   | L29-9                     | 09.01.1997            |
| Federal Pollution Control Act                       | L29-A1                    | 29.06.1999            |
| Federal Pollution Control Act                       | L29-A2                    | 05.07.2000            |
| Federal Pollution Control Act                       | L29-A3                    | 11.08.2000            |
| Federal Pollution Control Act                       | L29-A5                    | 11.01.2007            |
| Federal Pollution Control Act                       | L29-A6                    | 13.11.2008            |
| Federal Pollution Control Act                       | L29-A7                    | 10.04.2013            |
| Federal Pollution Control Act                       | L29-A8                    | 26.09.2014            |
| Federal Pollution Control Act                       | L30-A4                    | 25.01.2008            |
| Regulation inflammable materials                    | M18-2                     | 05.04.1984            |
| Regulation inflammable materials                    | M18-4                     | 07.01.1987            |
| Regulation inflammable materials                    | M21-3                     | 18.07.1988            |
| Regulation inflammable materials ;Water legislation | M21-3A                    | 08.12.1992            |
| Water legislation                                   | M21-3B                    | 08.12.1992            |
| Water legislation                                   | M22-10                    | 13.07.2015            |
| Water legislation                                   | M22-4                     | 22.09.1997            |
| Water legislation                                   | M22-8                     | 01.03.2005            |
| Hessian Construction Ordinance                      | M24-1                     | 13.07.2006            |
| Water legislation                                   | M32-11                    | 01.03.2005            |
| Water legislation                                   | M32-12                    | 18.05.2009            |
| Water legislation                                   | M32-13                    | 10.12.2015            |
| Regulation inflammable materials                    | M32-7                     | 09.12.1997            |
| Water legislation                                   | M32-8                     | 15.10.1997            |
| Water legislation                                   | M32-9                     | 31.05.2001            |
| Water legislation                                   | M34-2                     | 23.09.1987;22.04.2015 |
| Regulation inflammable materials                    | M34-2A                    | 12.02.1988            |
| Regulation inflammable materials                    | M34-4                     |                       |
| Water legislation                                   | M34-5                     |                       |
| Water legislation                                   | M35/36-2                  | 10.01.2002            |
| Regulation inflammable materials                    | M35/36-3                  | 07.02.2002            |
| Water legislation                                   | N20-20                    | 03.06.2003            |
| Federal Pollution Control Act                       | N20-22                    | 02.11.2006            |
| Federal Pollution                                   | N20-A6                    | 16.11.2007            |

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| Control Act                      |                           |                       |
| Operating Safety Ordinance       | N24/25-2                  | 29.08.2006            |
| Water legislation                | N24/25-3                  | 16.10.2006            |
| Federal Pollution Control Act    | N24/25-4                  | 02.11.2006            |
| Water legislation                | N24/25-5                  | 26.06.2013            |
| Federal Pollution Control Act    | N24/25-V1                 | 02.11.2006            |
| Water legislation                | N3-2                      | 10.07.2000            |
| Hessian Construction Ordinance   | N4-1                      | 16.03.1992            |
| Hessian Construction Ordinance   | N4-1A                     | 25.06.1985            |
| Hessian Construction Ordinance   | N5-1                      | 25.08.1955            |
| Federal Pollution Control Act    | N5-10                     | 09.09.1999            |
| Hessian Construction Ordinance   | N5-11                     | 08.05.2007            |
| Federal Pollution Control Act    | N5-12                     | 17.09.2010;18.05.2016 |
| Federal Pollution Control Act    | N5-13                     | 03.09.2012            |
| Hessian Construction Ordinance   | N5-14                     | 21.06.2011            |
| Federal Pollution Control Act    | N5-16                     | 03.09.2013            |
| Hessian Construction Ordinance   | N5-17                     | 12.11.2013            |
| Hessian Construction Ordinance   | N5-18                     | 05.12.2014            |
| Water legislation                | N5-19                     | 29.09.2014            |
| Federal Pollution Control Act    | N5-2                      | 25.06.1985            |
| Water legislation                | N5-22                     | 15.12.2014            |
| Water legislation                | N5-23                     | 12.01.2015            |
| Water legislation                | N5-24                     | 13.04.2015            |
| Federal Pollution Control Act    | N5-26                     | 17.09.2015            |
| Regulation inflammable materials | N5-2A                     |                       |
| Federal Pollution Control Act    | N5-5                      | 11.03.1993            |
| Federal Pollution Control Act    | N5-6                      | 23.08.1994            |
| Water legislation                | N5-7                      | 06.01.1997            |
| Federal Pollution Control Act    | N5-8                      | 26.03.1996            |
| Federal Pollution Control Act    | N5-8A                     | 07.03.1995            |
| Federal Pollution Control Act    | N5-9                      | 19.02.1996            |
| Federal Pollution Control Act    | N5-A1                     | 27.04.1999            |
| Federal Pollution Control Act    | N5-A2                     | 25.07.2001            |
| Federal Pollution Control Act    | N5-A3                     | 14.05.2002            |
| Federal Pollution Control Act    | N5-A4                     | 12.07.2004            |
| Federal Pollution Control Act    | N5-A5                     | 02.05.2007            |
| Federal Pollution Control Act    | O21-6                     | 03.05.1996            |
| Water legislation                | O9-1                      | 08.09.1989            |
| Water legislation                | O9-2                      | 05.11.1990            |
| Water legislation                | O9-4                      | 20.07.1999            |
| Federal Pollution Control Act    | P19/31-A1                 | 28.12.2005            |
| Water legislation                | P23-2                     | 30.10.2006            |

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| Hessian Construction Ordinance                                | P24-1                     | 25.02.1975                                  |
| Hessian Construction Ordinance                                | P24-10                    | 12.02.2008                                  |
| Hessian Construction Ordinance                                | P24-11                    | 02.10.2008                                  |
| Hessian Construction Ordinance                                | P24-12                    | 24.10.2011                                  |
| VaWS                                                          | P24-13                    | 17.08.2011                                  |
| Federal Pollution Control Act                                 | P24-14                    | 03.12.2013;06.01.2014                       |
| Federal Pollution Control Act                                 | P24-15                    | 03.09.2013                                  |
| Water legislation                                             | P24-16                    | 06.02.2014;02.04.2014                       |
| Federal Pollution Control Act ;Hessian Construction Ordinance | P24-17                    | 17.10.2016;23.02.2017                       |
| Hessian Construction Ordinance                                | P24-18                    |                                             |
| Federal Pollution Control Act                                 | P24-9                     | 10.03.2008;28.10.2008;08.09.2010            |
| Hessian Construction Ordinance                                | P24-9A                    |                                             |
| Federal Pollution Control Act                                 | P24-A2                    | 25.08.2008                                  |
| Regulation inflammable materials                              | Q19-4                     | 22.02.1988                                  |
| Water legislation                                             | Q20-3                     | 22.05.2002                                  |
| Regulation inflammable materials                              | Q24-2                     | 14.04.2000                                  |
| Water legislation                                             | Q24-3                     | 17.07.2000                                  |
| Water legislation                                             | Q27-6                     | 14.01.1994                                  |
| Water legislation                                             | Q27-6A                    | 12.01.1998                                  |
| Water legislation                                             | Q27-7                     | 15.10.1997                                  |
| Water legislation                                             | Q32-3                     | 12.02.1988                                  |
| Water legislation                                             | Q32-4                     | 13.02.2013                                  |
| Hessian Construction Ordinance                                | ROHRB-23                  | 16.07.2002                                  |
| Water legislation                                             | ROHRB-24                  | 07.08.2002                                  |
| Radiation Protection Act                                      | STV-131                   | 18.06.2010                                  |
| Radiation Protection Act                                      | STV-142                   | 03.02.2014                                  |
| Radiation Protection Act                                      | STV-149                   | 30.09.2014                                  |
| Radiation Protection Act                                      | STV-151                   | 16.11.2015                                  |
| Radiation Protection Act                                      | STV-86                    | 26.06.2003                                  |
| Water legislation                                             | UWS-1                     | 24.03.1999                                  |
| Water legislation                                             | UWS-2                     | 09.08.2000                                  |
| Water legislation                                             | UWS-5                     | 21.07.2003;20.01.2009;06.12.2011;03.11.2016 |
| Hessian Construction Ordinance                                | X24/28-1                  | 31.12.1957                                  |
| Federal Pollution Control Act                                 | X24/28-10                 | 05.11.2015                                  |
| Trade Regulation Act                                          | X24/28-2                  | 10.02.1965                                  |
| Federal Pollution Control Act                                 | X24/28-3                  | 01.09.1975                                  |
| Federal Pollution Control Act                                 | X24/28-4                  | 13.03.1978                                  |
| Hessian Construction Ordinance                                | X24/28-4A                 |                                             |
| Regulation inflammable materials                              | X24/28-4B                 |                                             |

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| Federal Pollution Control Act                                               | X24/28-5                  | 02.11.2006                                                        |
| Federal Pollution Control Act ;Operating Safety Ordinance                   | X24/28-6                  | 28.10.2008;06.04.2011                                             |
| Hessian Construction Ordinance                                              | X24/28-6A                 |                                                                   |
| Water legislation                                                           | X24/28-6C                 | 28.10.2008                                                        |
| Federal Pollution Control Act                                               | X24/28-7                  | 31.05.2007                                                        |
| Water legislation                                                           | X24/28-8                  | 02.03.2009                                                        |
| Hessian Construction Ordinance                                              | X24/28-9                  | 27.05.2009                                                        |
| Federal Pollution Control Act                                               | X24/28-A1                 | 01.09.2014                                                        |
| Federal Pollution Control Act                                               | X24/28-V1                 | 05.10.2005                                                        |
| Hessian Construction Ordinance                                              | X25-1                     |                                                                   |
| Hessian Construction Ordinance                                              | X28-5                     | 30.07.1987                                                        |
| Water legislation                                                           | X28-6                     | 24.08.1992                                                        |
| Regulation inflammable materials                                            | X28-7                     | 15.02.2002                                                        |
| Water legislation                                                           | X28-8                     | 03.07.2013                                                        |
| Operating Safety Ordinance                                                  | X28-9                     | 17.06.2013                                                        |
| Other provisions                                                            | 0ARBZRG-10                | 06.01.2011                                                        |
| Other provisions                                                            | 0ARBZRG-11                | 11.07.2011                                                        |
| Other provisions                                                            | 0ARBZRG-12A               | 17.10.2012                                                        |
| Other provisions                                                            | 0ARBZRG-13                | 19.10.2012                                                        |
| Other provisions                                                            | 0ARBZRG-14                | 01.11.2016                                                        |
| Other provisions                                                            | 0ARBZRG-1B                | 18.12.2001;26.04.2010                                             |
| Other provisions                                                            | 0ARBZRG-5                 | 26.07.2005                                                        |
| Federal Pollution Control Act                                               | 0BIMSCHG-ALLG1            |                                                                   |
| Federal Pollution Control Act                                               | 0BIMSCHG-ALLG5            |                                                                   |
| Eisenbahngesetz                                                             | 0EB-1                     | 17.05.2002                                                        |
| Other provisions                                                            | 0EB-2                     | 08.07.2002                                                        |
| Eisenbahngesetz                                                             | 0EB-3                     | 12.06.2008                                                        |
| Eisenbahngesetz                                                             | 0EB-4                     | 23.09.2008                                                        |
| Eisenbahngesetz                                                             | 0EB-5                     | 15.06.2011                                                        |
| Water legislation                                                           | 0LWF-1                    | 01.07.1970                                                        |
| Other provisions                                                            | 0STR-16                   | 12.12.2013;09.12.2014;09.03.2015;01.03.2016;13.01.2017;19.12.2017 |
| Radiation Protection Act                                                    | 0STV-10                   | 07.09.2016                                                        |
| Radiation Protection Act                                                    | 0STV-8                    | 23.10.2009                                                        |
| Water legislation;Operating Safety Ordinance ;Federal Pollution Control Act | 10/11TL-1                 | 09.04.2013;22.05.2013                                             |
| Federal Pollution Control Act                                               | 10/11TL-1A                | 02.05.2012                                                        |
| Trade Regulation Act                                                        | 10F-1                     | 28.02.1969                                                        |
| Federal Pollution Control Act                                               | 10F-10                    | 03.08.1995                                                        |
| Federal Pollution Control Act                                               | 10F-11                    | 24.01.1998                                                        |
| Federal Pollution Control Act                                               | 10F-12                    | 08.07.1994                                                        |
| Federal Pollution                                                           | 10F-13                    | 17.02.1994                                                        |

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| Control Act                                                                                                 |                           |                       |
| Water legislation                                                                                           | 10F-14                    | 20.07.1999            |
| Federal Pollution Control Act ;Hessian Construction Ordinance                                               | 10F-15                    | 01.09.1998            |
| Federal Pollution Control Act ;Hessian Construction Ordinance                                               | 10F-16                    | 16.03.2000            |
| Regulation inflammable materials                                                                            | 10F-16A                   | 16.03.2000            |
| Federal Pollution Control Act                                                                               | 10F-17                    | 30.05.2000            |
| Federal Pollution Control Act ;Steam Boiler Ordinance                                                       | 10F-18                    | 27.05.2002            |
| Water legislation                                                                                           | 10F-18B                   | 27.05.2002            |
| Federal Pollution Control Act                                                                               | 10F-19                    | 15.10.2001            |
| Trade Regulation Act                                                                                        | 10F-2                     | 31.08.1972            |
| Federal Pollution Control Act                                                                               | 10F-21                    | 03.12.2001            |
| Federal Pollution Control Act                                                                               | 10F-22                    | 06.09.2004            |
| Federal Pollution Control Act ;Hessian Construction Ordinance                                               | 10F-23                    | 22.11.2004            |
| Water legislation                                                                                           | 10F-23B                   | 22.11.2004            |
| Federal Pollution Control Act                                                                               | 10F-24                    | 06.02.2006            |
| Hessian Construction Ordinance                                                                              | 10F-25                    | 23.12.2005            |
| Hessian Construction Ordinance                                                                              | 10F-26                    | 22.05.2006            |
| Federal Pollution Control Act ;Water legislation;Hessian Construction Ordinance ;Operating Safety Ordinance | 10F-27                    | 28.10.2009            |
| Federal Pollution Control Act                                                                               | 10F-28                    | 12.12.2012            |
| Federal Pollution Control Act                                                                               | 10F-29                    | 30.07.2014            |
| Federal Pollution Control Act                                                                               | 10F-2A                    | 30.04.1975            |
| Hessian Construction Ordinance ;Federal Pollution Control Act                                               | 10F-30                    | 30.10.2013;06.02.2014 |
| Federal Pollution Control Act                                                                               | 10F-4                     | 20.09.1977            |
| Federal Pollution Control Act                                                                               | 10F-5                     | 22.03.1976            |
| Federal Pollution Control Act                                                                               | 10F-6                     | 18.03.1980            |
| Federal Pollution Control Act                                                                               | 10F-8                     | 18.10.1988            |
| Federal Pollution Control Act                                                                               | 10F-A11                   | 21.09.2016            |
| Federal Pollution Control Act                                                                               | 10F-A2                    | 10.07.1998            |
| Federal Pollution Control Act                                                                               | 10F-A4                    | 11.11.1999            |
| Federal Pollution Control Act                                                                               | 10F-A6                    | 07.04.2005            |
| Federal Pollution Control Act                                                                               | 10F-A8                    | 26.03.2014            |
| Federal Pollution Control Act                                                                               | 10F-A9                    | 19.11.2014            |
| Trade Regulation Act                                                                                        | 10TL-1                    | 15.02.1965            |
| Regulation                                                                                                  | 10TL-2A                   | 22.06.1988            |

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| inflammable materials                                         |                           |                  |
| Regulation inflammable materials                              | 10TL-3                    | 25.04.1986       |
| Water legislation                                             | 10TL-4                    | 02.03.1990       |
| Water legislation                                             | 10TL-5                    | 01.11.1993       |
| Water legislation                                             | 10TL-6                    | 15.02.2001       |
| Water legislation                                             | 10TL-7                    | 06.08.2001       |
| Water legislation                                             | 10TL-8                    | 09.08.2001       |
| Trade Regulation Act                                          | 11F-1                     | 11.06.1970       |
| Trade Regulation Act HBO                                      | 11F-2                     | 21.09.1971       |
| Federal Pollution Control Act                                 | 11F-3                     | 12.05.1977       |
| Federal Pollution Control Act                                 | 11F-4                     | 22.02.1982       |
| Federal Pollution Control Act ;Hessian Construction Ordinance | 11F-5                     | 12.07.1995       |
| Federal Pollution Control Act ;Hessian Construction Ordinance | 11F-6                     | 27.02.1998       |
| Federal Pollution Control Act                                 | 11F-8                     | 16.10.2001       |
| Federal Pollution Control Act                                 | 11F-9                     | 07.10.2004       |
| Federal Pollution Control Act                                 | 11F-A2                    | 06.07.2001       |
| Federal Pollution Control Act                                 | 11F-A3                    | 11.03.2005       |
| Federal Pollution Control Act                                 | 11F-A4                    | 15.12.2011       |
| Federal Pollution Control Act                                 | 11F-A5                    | 29.08.2012       |
| Trade Regulation Act (GEW)                                    | 11TL-1                    | 21.02.1966       |
| Hessian Construction Ordinance                                | 11TL-10                   | 28.05.1999       |
| Hessian Construction Ordinance                                | 11TL-11                   | 23.05.2000       |
| Water legislation                                             | 11TL-12                   | 19.08.2000       |
| Water legislation                                             | 11TL-14                   | 20.04.2001       |
| Water legislation                                             | 11TL-15                   | 20.07.2001       |
| Water legislation                                             | 11TL-16                   | 10.08.2001       |
| Water legislation                                             | 11TL-17                   | 09.09.2005       |
| Hessian Construction Ordinance                                | 11TL-18                   | 28.10.2009       |
| Operating Safety Ordinance                                    | 11TL-19                   | 28.10.2009       |
| Trade Regulation Act (GEW)                                    | 11TL-1B                   | 27.01.1967       |
| Federal Pollution Control Act                                 | 11TL-2                    | 20.09.1977       |
| Federal Pollution Control Act                                 | 11TL-3                    | 12.01.1978       |
| Federal Pollution Control Act                                 | 11TL-4                    | 01.12.1980       |
| Regulation inflammable materials                              | 11TL-4A                   | 23.12.1981       |
| Regulation inflammable materials                              | 11TL-4B                   | 11.01.1983       |
| Water legislation                                             | 11TL-6                    | 26.10.1993       |
| Hessian Construction Ordinance                                | 11TL-7                    | 06.04.1995       |
| Water legislation                                             | 11TL-7A                   | 06.04.1995       |
| Water legislation                                             | 12F-3                     | 03.09.1999       |
| Hessian Construction Ordinance                                | 13F-1                     | 16.03.2000       |

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| Regulation inflammable materials                              | 13F-2                     | 29.09.1999            |
| Water legislation                                             | 13F-3                     | 19.04.2001            |
| Hessian Construction Ordinance                                | 15F-1                     | 27.05.2002            |
| Water legislation (HBO)                                       | 15KL-1                    | 31.03.1983            |
| Trade Regulation Act                                          | 17TL-1                    | 11.06.1970            |
| Trade Regulation Act                                          | 17TL-2                    | 21.09.1971            |
| Hessian Construction Ordinance                                | 17TL-3                    | 03.01.2008            |
| Federal Pollution Control Act                                 | 17TL-A1                   | 03.12.2007            |
| Federal Pollution Control Act (HBO)                           | 19E-1                     | 22.03.1976            |
| Hessian Construction Ordinance                                | 1H-1                      | 21.09.1971            |
| Water legislation                                             | 1KL-1                     | 21.05.1996            |
| Other provisions;Hessian Construction Ordinance               | 20TL-1                    |                       |
| Hessian Construction Ordinance                                | 20TL-2                    | 21.09.2005            |
| Federal Pollution Control Act                                 | 21TL-1                    | 21.05.1979            |
| Hessian Construction Ordinance                                | 21TL-2                    | 15.10.1998;17.08.1999 |
| Water legislation                                             | 21TL-3                    | 11.07.1999            |
| Federal Pollution Control Act (VBF)                           | 22TL-1                    | 24.01.1986            |
| Federal Pollution Control Act (WHG)                           | 22TL-1                    | 24.01.1986            |
| Federal Pollution Control Act (HBO)                           | 22TL-1                    | 24.01.1986            |
| Water legislation                                             | 22TL-2                    | 05.03.1990            |
| Regulation inflammable materials                              | 22TL-5                    | 29.04.1999            |
| Federal Pollution Control Act                                 | 22TL-V1                   | 24.06.2016            |
| Water legislation                                             | 26E-3                     | 17.07.2003            |
| Trade Regulation Act                                          | 27D-1                     | 28.03.1974            |
| Water legislation                                             | 27D-10                    | 30.09.1994            |
| Federal Pollution Control Act                                 | 27D-11                    | 15.12.1994            |
| Federal Pollution Control Act                                 | 27D-12                    | 13.12.1994            |
| Federal Pollution Control Act                                 | 27D-13                    | 18.04.1995            |
| Hessian Construction Ordinance                                | 27D-14                    | 06.03.1995            |
| Federal Pollution Control Act                                 | 27D-15                    | 06.02.1996            |
| Federal Pollution Control Act ;Hessian Construction Ordinance | 27D-16                    | 14.03.1996            |
| Federal Pollution Control Act                                 | 27D-17                    | 02.09.1996            |
| Federal Pollution Control Act                                 | 27D-18                    | 24.11.2000            |
| Water legislation                                             | 27D-19                    | 08.10.1999            |
| Federal Pollution Control Act                                 | 27D-2                     | 18.12.1974            |
| Hessian Construction Ordinance                                | 27D-20                    | 21.09.2005            |
| Federal Pollution Control Act                                 | 27D-21                    | 28.11.2006            |
| Hessian Construction Ordinance                                | 27D-22                    | 31.03.2010            |
| Water                                                         | 27D-23                    | 21.05.2013            |

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| legislation;Hessian Construction Ordinance ;Federal Pollution Control Act |                           |                                  |
| Hessian Construction Ordinance                                            | 27D-24                    | 11.09.2014                       |
| Hessian Construction Ordinance                                            | 27D-25                    | 20.01.2015;10.03.2015;10.08.2015 |
| Hessian Construction Ordinance                                            | 27D-26                    | 26.02.2015                       |
| Federal Pollution Control Act                                             | 27D-3                     | 03.11.1981                       |
| Federal Pollution Control Act ;Hessian Construction Ordinance             | 27D-4                     | 09.03.1983                       |
| Federal Pollution Control Act                                             | 27D-5                     | 02.03.1989                       |
| Federal Pollution Control Act                                             | 27D-6                     | 06.11.1989                       |
| Federal Pollution Control Act ;Hessian Construction Ordinance             | 27D-8                     | 21.06.1994                       |
| Federal Pollution Control Act                                             | 27D-9                     | 24.04.1995                       |
| Federal Pollution Control Act                                             | 27D-A2                    | 17.10.2003                       |
| Federal Pollution Control Act                                             | 27D-A5                    | 22.02.2011                       |
| Federal Pollution Control Act                                             | 27D-A6                    | 16.02.2015                       |
| Federal Pollution Control Act                                             | 27D-A7                    | 23.10.2015                       |
| Federal Pollution Control Act                                             | 27D-A8                    | 20.12.2017                       |
| Hessian Construction Ordinance                                            | 27E-1                     | 17.04.2003                       |
| Hessian Construction Ordinance                                            | 27E-2                     | 21.12.2005                       |
| Hessian Construction Ordinance                                            | 27TL-3                    | 01.07.2008                       |
| Water legislation                                                         | 28A-2                     | 07.07.2016                       |
| Hessian Construction Ordinance                                            | 28D-1                     | 24.09.1974                       |
| Hessian Construction Ordinance                                            | 28D-2                     | 17.12.1974                       |
| Other provisions                                                          | 28D-3                     | 19.10.1992                       |
| Hessian Construction Ordinance                                            | 28D-4                     | 11.05.1998                       |
| Hessian Construction Ordinance                                            | 28D-5                     | 18.11.1999                       |
| Other provisions                                                          | 28D-6                     | 16.12.2004                       |
| Hessian Construction Ordinance                                            | 28D-7                     | 17.03.2006                       |
| Federal Pollution Control Act                                             | 29D-9                     | 16.05.2001                       |
| Federal Pollution Control Act                                             | 2F-10                     | 30.11.1993                       |
| Federal Pollution Control Act                                             | 2F-11                     | 07.10.1997                       |
| Federal Pollution Control Act                                             | 2F-12                     | 01.02.1999                       |
| Federal Pollution Control Act                                             | 2F-13                     | 09.01.2001                       |
| Federal Pollution Control Act                                             | 2F-14                     | 04.05.2001                       |
| Federal Pollution Control Act                                             | 2F-15                     | 03.06.2004                       |
| Federal Pollution Control Act                                             | 2F-16                     | 26.07.2005                       |
| Operating Safety Ordinance                                                | 2F-16A                    | 26.07.2005                       |
| Federal Pollution                                                         | 2F-17                     | 05.05.2011                       |

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| Control Act                                                   |                           |                  |
| Trade Regulation Act                                          | 2F-2                      | 15.02.1965       |
| Federal Pollution Control Act ;Hessian Construction Ordinance | 2F-3                      | 24.08.1977       |
| Federal Pollution Control Act                                 | 2F-4                      | 07.05.1980       |
| Federal Pollution Control Act                                 | 2F-6                      | 26.02.1988       |
| Federal Pollution Control Act                                 | 2F-7                      | 27.03.1991       |
| Water legislation                                             | 2F-7A                     | 27.03.1991       |
| Federal Pollution Control Act                                 | 2F-8                      | 14.07.1995       |
| Federal Pollution Control Act                                 | 2F-9                      | 10.09.1992       |
| Federal Pollution Control Act                                 | 2F-A1                     | 20.05.1997       |
| Federal Pollution Control Act                                 | 2F-A10                    | 16.11.2007       |
| Federal Pollution Control Act                                 | 2F-A11                    | 10.12.2009       |
| Federal Pollution Control Act                                 | 2F-A12                    | 21.09.2016       |
| Federal Pollution Control Act                                 | 2F-A2                     | 20.05.1997       |
| Federal Pollution Control Act                                 | 2F-A6                     | 04.08.2004       |
| Federal Pollution Control Act                                 | 2F-A7                     | 02.10.2006       |
| Federal Pollution Control Act                                 | 2F-A8                     | 15.01.2007       |
| Federal Pollution Control Act                                 | 2F-A9                     | 09.07.2007       |
| Federal Pollution Control Act                                 | 2F-V1                     | 27.01.2017       |
| Water legislation                                             | 2LF-2                     |                  |
| Federal Pollution Control Act                                 | 301M-1                    | 14.08.2000       |
| Hessian Construction Ordinance                                | 301M-2                    | 29.08.2001       |
| Water legislation                                             | 301M-3                    | 08.04.2004       |
| Federal Pollution Control Act                                 | 301M-4                    | 28.11.2006       |
| Federal Pollution Control Act                                 | 301M-5                    | 04.08.2014       |
| Federal Pollution Control Act                                 | 301M-A8                   | 13.05.2015       |
| Federal Pollution Control Act                                 | 301M-A9                   | 16.02.2015       |
| Hessian Construction Ordinance                                | 301TL-2                   | 22.10.2008       |
| Hessian Construction Ordinance                                | 303TL-1                   | 25.07.2002       |
| Water legislation                                             | 304M-3                    | 22.09.2009       |
| Hessian Construction Ordinance                                | 304M-4                    | 16.11.2016       |
| Hessian Construction Ordinance                                | 309M-1                    | 05.06.2009       |
| Water legislation                                             | 30D-1                     | 11.07.1986       |
| Water legislation                                             | 30G-2                     | 23.05.2002       |
| Hessian Construction Ordinance                                | 31G-1                     | 17.06.2002       |
| Water legislation                                             | 31G-2                     | 23.05.2002       |
| Hessian Construction Ordinance                                | 31TL-1                    | 05.04.2000       |
| Hessian Construction Ordinance                                | 32D-1                     | 09.06.1989       |
| Hessian Construction Ordinance                                | 33F-1                     | 23.03.2011       |
| Hessian Construction Ordinance                                | 34F-1                     | 29.01.2004       |

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| Water legislation                                                                                           | 34G-2                     | 20.08.2015                                   |
| Hessian Construction Ordinance                                                                              | 37D-1                     | 20.12.2010                                   |
| Water legislation                                                                                           | 38G-3                     | 21.03.2014                                   |
| Water legislation                                                                                           | 39G-3                     | 21.03.2014                                   |
| Water legislation                                                                                           | 3E/4E-1                   | 20.02.2001                                   |
| Hessian Construction Ordinance                                                                              | 3E/4E-3                   | 22.06.2001                                   |
| Hessian Construction Ordinance                                                                              | 3E-3                      | 05.07.1984                                   |
| Hessian Construction Ordinance                                                                              | 3H-1                      | 07.03.2013                                   |
| Water legislation                                                                                           | 3LF-2                     | 07.04.2011                                   |
| Hessian Construction Ordinance                                                                              | 405M-1                    | 05.09.2016                                   |
| Federal Pollution Control Act ;Hessian Construction Ordinance                                               | 40D-1                     | 14.10.2008                                   |
| Federal Pollution Control Act ;Operating Safety Ordinance ;Water legislation                                | 40D-2                     | 23.02.2012                                   |
| Federal Pollution Control Act ;Water legislation                                                            | 40D-3                     | 09.07.2013                                   |
| Federal Pollution Control Act                                                                               | 40D-4                     | 29.10.2014                                   |
| Federal Pollution Control Act                                                                               | 40D-5                     | 24.02.2015                                   |
| Federal Pollution Control Act                                                                               | 40D-6                     | 29.06.2015;21.07.2015                        |
| Hessian Construction Ordinance ;Federal Pollution Control Act ;Water legislation;Operating Safety Ordinance | 40D-7                     | 13.04.2015;22.06.2015                        |
| Federal Pollution Control Act ;Hessian Construction Ordinance                                               | 40D-9                     | 13.03.2017;27.03.2017;02.05.2017 ;01.09.2017 |
| Federal Pollution Control Act                                                                               | 40D-A1                    | 27.11.2013                                   |
| Federal Pollution Control Act                                                                               | 40D-A2                    | 11.07.2014                                   |
| Water legislation                                                                                           | 40G-3                     | 21.03.2014                                   |
| Hessian Construction Ordinance                                                                              | 41D-2                     | 21.04.2010                                   |
| Operating Safety Ordinance                                                                                  | 41D-3                     | 24.03.2011                                   |
| Water legislation                                                                                           | 41G-2                     | 21.03.2014                                   |
| Water legislation                                                                                           | 42G-2                     | 16.06.2015                                   |
| Hessian Construction Ordinance                                                                              | 44D-1                     | 11.12.2014                                   |
| Water legislation                                                                                           | 45F-2                     | 28.04.2016                                   |
| Hessian Construction Ordinance                                                                              | 46D-1                     | 09.07.2012                                   |
| Hessian Construction Ordinance                                                                              | 4F-3                      | 28.09.2000                                   |
| Hessian Construction Ordinance                                                                              | 4F-4                      | 29.06.2001                                   |
| Federal Pollution Control Act                                                                               | 5/10E-10                  | 11.07.2006                                   |
| Hessian Construction Ordinance                                                                              | 5/10E-10A                 | 15.02.2006                                   |
| Federal Pollution Control Act                                                                               | 5/10E-11                  | 19.12.2014                                   |
| Hessian Construction Ordinance                                                                              | 5/10E-5A                  | 15.09.2000                                   |
| Federal Pollution Control Act                                                                               | 5/10E-6                   | 28.06.2001                                   |
| Hessian Construction                                                                                        | 5/10E-7                   | 11.09.2002                                   |

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| Ordinance                                                           |                           |                                  |
| Hessian Construction Ordinance                                      | 5/10E-8                   | 23.07.2003                       |
| Federal Pollution Control Act                                       | 5/10E-9                   | 26.03.2004                       |
| Federal Pollution Control Act                                       | 5/10E-A4                  | 24.11.2005                       |
| Federal Pollution Control Act                                       | 5/10E-A5                  | 09.12.2005                       |
| Water legislation                                                   | 5/7F-4                    | 28.01.1992                       |
| Federal Pollution Control Act                                       | 5/7F-A1                   | 10.02.1997                       |
| Federal Pollution Control Act                                       | 5/7F-A2                   | 30.09.1998                       |
| Federal Pollution Control Act                                       | 5/7F-A3                   |                                  |
| Hessian Construction Ordinance                                      | 500M-1                    | 04.11.1991                       |
| Hessian Construction Ordinance                                      | 500M-2A                   | 15.02.2000                       |
| Federal Pollution Control Act                                       | 500M-4                    | 01.12.2003                       |
| Federal Pollution Control Act                                       | 500M-5                    | 21.05.2008                       |
| Federal Pollution Control Act                                       | 500M-A3                   | 25.03.2010                       |
| Water legislation                                                   | 503M-1A                   | 19.06.1996                       |
| Water legislation                                                   | 50G-2                     | 17.07.2017                       |
| Federal Pollution Control Act                                       | 50G-3                     | 23.11.2017                       |
| Federal Pollution Control Act                                       | 7E-A4                     | 07.12.2014                       |
| Federal Pollution Control Act                                       | 8E-1                      | 11.07.1988                       |
| Federal Pollution Control Act                                       | 8E-10                     | 05.10.2015                       |
| Federal Pollution Control Act                                       | 8E-11                     | 11.04.2017                       |
| Federal Pollution Control Act                                       | 8E-2                      | 28.09.1989                       |
| Hessian Construction Ordinance                                      | 8E-3                      | 03.03.1993                       |
| Federal Pollution Control Act                                       | 8E-4                      | 01.04.1997                       |
| Other provisions                                                    | 8E-5                      | 19.09.1995                       |
| Federal Pollution Control Act                                       | 8E-6                      | 02.10.1998;02.11.1998;05.10.2009 |
| Hessian Construction Ordinance                                      | 8E-6A                     | 02.10.1998                       |
| Hessian Construction Ordinance                                      | 8E-7                      | 05.04.2000                       |
| Hessian Construction Ordinance                                      | 8E-8                      | 07.10.2009                       |
| Federal Pollution Control Act                                       | 8E-9                      | 01.08.2011                       |
| Federal Pollution Control Act                                       | 8E-A1                     | 12.03.2001                       |
| Water legislation                                                   | 8F-2                      | 15.11.2016                       |
| Hessian Construction Ordinance                                      | 8G-1                      | 23.02.1979;19.06.1979            |
| Hessian Construction Ordinance                                      | 8G-10                     | 14.02.2014                       |
| Water legislation                                                   | 8G-11                     | 16.01.2015                       |
| Federal Pollution Control Act                                       | 8G-12                     | 23.10.2017                       |
| Hessian Construction Ordinance                                      | 8G-2                      | 20.10.1982                       |
| Federal Pollution Control Act ;Hessian Construction Ordinance (HBO) | 8G-4                      | 08.05.1987                       |
| Federal Pollution Control Act                                       | 8G-6                      | 07.03.1995                       |

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| Federal Pollution Control Act  | 8G-7                      | 07.06.1999       |
| Hessian Construction Ordinance | 8G-8                      | 19.01.2000       |
| Federal Pollution Control Act  | 8G-9                      | 20.10.2003       |
| Federal Pollution Control Act  | 8G-A2                     | 19.04.2005       |
| Federal Pollution Control Act  | 8G-A3                     | 21.10.2013       |
| Trade Regulation Act           | 9E-2                      | 02.06.1964       |

## 2. Status: expired

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|--------------------------------------|---------------------------|-----------------------|
| Federal Pollution Control Act        | ASCO-1                    |                       |
| Federal Pollution Control Act        | ASCO-2                    | 28.12.1995            |
| Federal Pollution Control Act        | ASCO-5                    | 23.02.1999            |
| Federal Pollution Control Act        | ASCO-6                    | 12.02.2001            |
| Federal Pollution Control Act        | ASCO-A1                   | 09.05.1997            |
| Federal Pollution Control Act        | ASCO-A10                  | 03.07.2001            |
| Federal Pollution Control Act        | ASCO-A4                   | 19.09.1997            |
| Federal Pollution Control Act        | ASCO-A5                   | 02.07.1998            |
| Federal Pollution Control Act        | ASCO-A7                   | 26.08.1998            |
| Federal Pollution Control Act        | ASCO-A8                   | 05.01.1999            |
| Federal Pollution Control Act        | ASCO-A9                   | 01.08.1999            |
| Federal Pollution Control Act        | F11-3                     | 24.11.1989            |
| Regulation inflammable materials     | F11-4                     | 01.03.1988            |
| Hessian Construction Ordinance (BIM) | F14-1                     |                       |
| Hessian Construction Ordinance (HBO) | F14-1                     |                       |
| Federal Pollution Control Act        | F14-10                    | 24.07.1996            |
| Water legislation                    | F14-11                    | 20.12.1996            |
| Federal Pollution Control Act        | F14-12                    | 20.01.1994            |
| Federal Pollution Control Act        | F14-14                    | 13.09.2000            |
| Water legislation                    | F14-15                    | 22.12.2000;20.10.2014 |
| Federal Pollution Control Act        | F14-16                    | 28.05.2001            |
| Operating Safety Ordinance           | F14-17                    | 03.08.2007            |
| Federal Pollution Control Act        | F14-18                    | 15.06.2007            |
| Federal Pollution Control Act        | F14-4                     | 04.04.1984            |
| Federal Pollution Control Act        | F14-5                     | 11.05.1988            |
| Federal Pollution Control Act        | F14-6                     | 11.12.1989            |
| Federal Pollution Control Act        | F14-7                     | 11.06.1990            |
| Federal Pollution Control Act        | F14-8                     | 22.08.1991            |



## Plant-related and environmental law authorizations

| Field of law                     | Internal reference number | Date of approvalField |
|----------------------------------|---------------------------|-----------------------|
| Federal Pollution Control Act    | F14-9                     | 09.12.1992            |
| Federal Pollution Control Act    | F14-A1                    | 10.06.1998            |
| Federal Pollution Control Act    | F14-A2                    | 15.09.2004            |
| Federal Pollution Control Act    | F14-A3                    | 23.07.2014            |
| Hessian Construction Ordinance   | F8-1                      | 16.10.1912            |
| Water legislation                | F8-10                     | 02.07.1997            |
| Federal Pollution Control Act    | F8-11                     | 07.09.1995            |
| Federal Pollution Control Act    | F8-12                     | 12.03.1993            |
| Hessian Construction Ordinance   | F8-2                      | 29.12.1948            |
| Hessian Construction Ordinance   | F8-3                      | 31.07.1958            |
| Federal Pollution Control Act    | F8-4                      | 15.04.1982            |
| Federal Pollution Control Act    | F8-5                      | 16.09.1987            |
| Federal Pollution Control Act    | F8-8                      | 21.06.1991            |
| Federal Pollution Control Act    | F8-9                      | 08.12.1992            |
| Federal Pollution Control Act    | F8-V1                     | 19.02.1990            |
| Federal Pollution Control Act    | F8-V2                     | 27.04.1990            |
| Federal Pollution Control Act    | F8-V3                     | 09.02.1987            |
| Hessian Construction Ordinance   | F9-1                      | 20.12.1912            |
| Hessian Construction Ordinance   | G1-1                      | 22.01.1903            |
| Water legislation                | G1-11                     | 05.10.1989            |
| Federal Pollution Control Act    | G8-2                      | 11.07.1990            |
| Federal Pollution Control Act    | G8-4                      | 22.07.1997            |
| Federal Pollution Control Act    | G8-V1                     | 19.04.1999            |
| Trade Regulation Act             | GH/OF1-1                  |                       |
| Trade Regulation Act             | GH/OF11-1                 | 22.03.1961            |
| Trade Regulation Act             | GH/OF2-1                  |                       |
| Trade Regulation Act             | GH/OF3-1                  |                       |
| Trade Regulation Act             | GH/OF4-1                  |                       |
| Trade Regulation Act             | GH/OF5-1                  |                       |
| Trade Regulation Act             | GH/OF6-1                  |                       |
| Trade Regulation Act             | GH/OF7-1                  |                       |
| Trade Regulation Act             | GH/OF8-1                  |                       |
| Federal Pollution Control Act    | H2-3                      | 21.09.1993            |
| Federal Pollution Control Act    | H24/26-1                  | 22.01.1981            |
| Federal Pollution Control Act    | H24/26-2                  | 24.03.1995            |
| Regulation inflammable materials | H24/26-2A                 |                       |
| Federal Pollution Control Act    | H24/26-3                  | 16.07.1991            |
| Federal Pollution Control Act    | H24/26-4                  | 04.08.1998            |
| Water legislation                | H24/26-5                  | 15.05.1997            |
| Federal Pollution Control Act    | H24/26-6                  | 15.04.2002            |
| Federal Pollution Control Act    | H24/26-7                  | 13.06.2007            |
| Federal Pollution                | H24/26-8                  | 23.03.2009            |

| Field of law                   | Internal reference number | Date of approvalField |
|--------------------------------|---------------------------|-----------------------|
| Control Act                    |                           |                       |
| Federal Pollution Control Act  | H24/26-A1                 | 03.07.2006            |
| Federal Pollution Control Act  | H4-10                     | 22.08.2000            |
| Federal Pollution Control Act  | H4-3                      | 27.01.1978            |
| Federal Pollution Control Act  | H4-4                      | 24.09.1985            |
| Hessian Construction Ordinance | H4-5                      | 06.03.1987            |
| Federal Pollution Control Act  | H4-6                      | 18.03.1991            |
| Federal Pollution Control Act  | J36-4                     | 04.09.1991            |
| Federal Pollution Control Act  | J36-7                     | 04.06.1997            |
| Federal Pollution Control Act  | K10-3                     | 01.09.1975            |
| Federal Pollution Control Act  | K10-3A                    | 01.09.1975            |
| Federal Pollution Control Act  | K10-4                     | 15.06.1992            |
| Federal Pollution Control Act  | K12-16                    | 10.06.2002;09.10.2013 |
| Federal Pollution Control Act  | K12-17                    | 05.04.2005            |
| Operating Safety Ordinance     | K12-19                    | 01.08.2007;09.10.2013 |
| Federal Pollution Control Act  | K12-2                     | 10.09.1979            |
| Federal Pollution Control Act  | K12-20                    | 15.06.2007            |
| Water legislation              | K12-21                    | 11.11.2008;09.10.2013 |
| Water legislation              | K12-4                     | 03.12.1984            |
| Federal Pollution Control Act  | K12-5                     | 09.05.1988            |
| Federal Pollution Control Act  | K12-6                     | 05.07.1990            |
| Federal Pollution Control Act  | K12-7                     | 09.12.1992            |
| Federal Pollution Control Act  | K12-8                     | 30.11.1993            |
| Federal Pollution Control Act  | K12-A1                    | 10.06.1998            |
| Federal Pollution Control Act  | K12-A2                    | 13.08.1998            |
| Federal Pollution Control Act  | K12-A3                    | 18.09.2000            |
| Federal Pollution Control Act  | K12-A4                    | 12.07.2004            |
| Federal Pollution Control Act  | K12-A5                    | 15.09.2004            |
| Federal Pollution Control Act  | K12-A6                    | 23.07.2014            |
| Federal Pollution Control Act  | K15-1                     | 10.04.1979            |
| Other provisions               | K15-3                     | 13.06.1994            |
| Water legislation              | K15-4                     | 19.10.1995            |
| Federal Pollution Control Act  | K16-3                     | 01.09.1975            |
| Federal Pollution Control Act  | K16-4                     | 27.07.1978            |
| Federal Pollution Control Act  | K16-5                     | 19.05.1995            |
| Water legislation              | K17-4                     |                       |
| Other provisions               | K18-1                     | 11.09.1902            |
| Water legislation              | K30-1                     | 14.04.1977            |
| Water legislation              | K3-1                      | 15.07.1991            |
| Other provisions               | L29-13                    | 24.11.1999            |
| Federal Pollution              | L30-10                    | 17.02.1994            |

| Field of law                     | Internal reference number | Date of approvalField |
|----------------------------------|---------------------------|-----------------------|
| Control Act                      |                           |                       |
| Federal Pollution Control Act    | L30-11                    | 31.01.1996            |
| Federal Pollution Control Act    | L30-12                    | 08.01.1998            |
| Federal Pollution Control Act    | L30-13                    | 27.02.2001            |
| Federal Pollution Control Act    | L30-14                    | 12.11.1999            |
| Other provisions                 | L30-15                    | 24.11.1999            |
| Federal Pollution Control Act    | L30-16                    | 22.03.2001            |
| Water legislation                | L30-17                    | 06.12.2000            |
| Federal Pollution Control Act    | L30-18                    | 16.08.2001            |
| Federal Pollution Control Act    | L30-20                    | 10.09.2002            |
| Federal Pollution Control Act    | L30-3                     | 23.03.1982            |
| Federal Pollution Control Act    | L30-3A                    | 26.06.1990            |
| Regulation inflammable materials | L30-3B                    |                       |
| Federal Pollution Control Act    | L30-4                     | 23.03.1982            |
| Federal Pollution Control Act    | L30-5                     | 08.06.1984            |
| Federal Pollution Control Act    | L30-6                     | 07.09.1984            |
| Federal Pollution Control Act    | L30-7                     | 05.10.1992            |
| Water legislation                | L30-9                     | 09.01.1997            |
| Federal Pollution Control Act    | L30-A1                    | 07.04.1999            |
| Federal Pollution Control Act    | L30-A3                    | 02.10.2002            |
| Federal Pollution Control Act    | L30-V1                    | 15.03.1990            |
| Federal Pollution Control Act    | L30-V2                    | 22.04.1991            |
| Federal Pollution Control Act    | M32-3                     | 11.11.1982            |
| Federal Pollution Control Act    | M32-4                     | 18.02.1985            |
| Federal Pollution Control Act    | N20-1                     | 14.02.1968            |
| Federal Pollution Control Act    | N20-10                    | 06.05.1985            |
| Federal Pollution Control Act    | N20-11                    | 24.04.1991            |
| Federal Pollution Control Act    | N20-12                    | 31.01.1994            |
| Water legislation                | N20-13                    | 09.01.1997            |
| Federal Pollution Control Act    | N20-14                    | 20.12.1993            |
| Federal Pollution Control Act    | N20-15                    | 03.09.1997            |
| Federal Pollution Control Act    | N20-16                    | 15.04.1997            |
| Federal Pollution Control Act    | N20-17                    | 05.09.1995            |
| Federal Pollution Control Act    | N20-18                    | 10.03.2000            |
| Water legislation                | N20-19                    | 20.06.2000            |
| Federal Pollution Control Act    | N20-3                     | 18.09.1975            |
| Federal Pollution Control Act    | N20-4                     | 01.09.1975            |
| Federal Pollution Control Act    | N20-5                     | 28.11.1975;26.06.2013 |
| Regulation inflammable           | N20-5A                    |                       |

## Plant-related and environmental law authorizations

| Field of law                     | Internal reference number | Date of approvalField |
|----------------------------------|---------------------------|-----------------------|
| materials                        |                           |                       |
| Federal Pollution Control Act    | N20-6                     | 06.07.1979            |
| Federal Pollution Control Act    | N20-7                     | 22.10.1980            |
| Federal Pollution Control Act    | N20-8                     | 27.01.1983            |
| Federal Pollution Control Act    | N20-A1                    | 05.04.2000            |
| Federal Pollution Control Act    | N20-A2                    | 04.09.2000            |
| Federal Pollution Control Act    | N20-A3                    | 05.04.2000            |
| Federal Pollution Control Act    | N20-A4                    | 15.02.2001            |
| Federal Pollution Control Act    | N20-A5                    | 01.10.2001            |
| Federal Pollution Control Act    | N5-4                      | 21.08.1991            |
| Federal Pollution Control Act    | N5-V1                     | 13.11.1990            |
| Federal Pollution Control Act    | O11-2                     | 14.04.1977            |
| Federal Pollution Control Act    | O11-3                     | 13.04.1978            |
| Regulation inflammable materials | O11-3B                    |                       |
| Federal Pollution Control Act    | O11-6                     | 10.02.2000            |
| Trade Regulation Act             | O21-1A                    | 30.09.1971            |
| Federal Pollution Control Act    | O21-4                     | 03.04.1978            |
| Regulation inflammable materials | O21-4B                    |                       |
| Water legislation                | O21-5                     | 31.12.1990            |
| Federal Pollution Control Act    | O21-A1                    | 16.10.1997            |
| Federal Pollution Control Act    | O31-1                     | 03.04.1978            |
| Water legislation                | O31-2                     | 14.02.1992            |
| Federal Pollution Control Act    | O9-3                      | 05.11.1990            |
| Federal Pollution Control Act    | P19/31-2                  | 20.08.1982            |
| Federal Pollution Control Act    | P19/31-3                  | 10.03.1992            |
| Federal Pollution Control Act    | P19/31-4                  | 23.11.1990            |
| Water legislation                | P19/31-6                  | 01.04.1997            |
| Federal Pollution Control Act    | P19/31-7                  | 22.06.1995            |
| Federal Pollution Control Act    | P22/25-10                 | 18.06.2007            |
| Federal Pollution Control Act    | P22/25-11                 |                       |
| Water legislation                | P22/25-12                 | 24.02.2010            |
| Water legislation                | P22/25-5                  | 04.03.1997            |
| Federal Pollution Control Act    | P22/25-6                  | 15.11.1993            |
| Federal Pollution Control Act    | P22/25-7                  | 07.04.1997            |
| Federal Pollution Control Act    | P22/25-7A                 | 05.03.1996            |
| Federal Pollution Control Act    | P22/25-8                  | 22.11.1999            |
| Federal Pollution Control Act    | P22/25-9                  | 14.07.2005            |
| Federal Pollution Control Act    | P22/25-A1                 |                       |
| Federal Pollution Control Act    | P22-4                     | 31.03.1981            |

| Field of law                     | Internal reference number | Date of approvalField |
|----------------------------------|---------------------------|-----------------------|
| Federal Pollution Control Act    | P22-V1                    | 26.04.1989            |
| Federal Pollution Control Act    | P22-V2                    | 18.06.1993            |
| Federal Pollution Control Act    | P24-2                     | 07.05.1976            |
| Federal Pollution Control Act    | P24-3                     | 25.09.1980            |
| Water legislation                | P24-4                     | 28.07.1986            |
| Water legislation                | P24-5                     | 08.12.1988            |
| Water legislation                | P24-6                     | 04.03.1997            |
| Federal Pollution Control Act    | P24-7                     | 24.09.1996            |
| Federal Pollution Control Act    | P24-8                     | 10.01.1999            |
| Federal Pollution Control Act    | P24-8A                    | 16.11.1998            |
| Federal Pollution Control Act    | P24-A1                    | 14.01.1998            |
| Water legislation                | P31-3                     | 12.01.1944            |
| Water legislation                | P3-4                      | 29.12.1943            |
| Federal Pollution Control Act    | P38-2                     | 18.09.1983            |
| Regulation inflammable materials | Q18-1                     | 07.03.1989            |
| Regulation inflammable materials | Q32-2                     | 02.09.1986            |
| Federal Pollution Control Act    | R42-1                     | 19.03.1993            |
| Water legislation                | UWS-4                     | 10.07.2003            |
| Other provisions                 | 0STR-13                   | 10.09.2007            |
| Other provisions                 | 0STR-14                   |                       |
| Regulation inflammable materials | 10F-20                    | 09.08.2000            |
| Federal Pollution Control Act    | 10F-7                     | 25.02.1980            |
| Federal Pollution Control Act    | 10F-A1                    | 20.01.1998            |
| Federal Pollution Control Act    | 10F-A10                   | 07.05.2015            |
| Federal Pollution Control Act    | 10F-A5                    | 12.03.2003            |
| Federal Pollution Control Act    | 10F-V1                    | 10.08.1990            |
| Federal Pollution Control Act    | 10TL-2                    | 22.06.1988            |
| Trade Regulation Act BIM         | 11F-2                     | 21.09.1971            |
| Federal Pollution Control Act    | 11F-7                     | 17.01.2000            |
| Trade Regulation Act (VBF)       | 11TL-1                    | 21.02.1966            |
| Trade Regulation Act (VBF)       | 11TL-1B                   | 27.01.1967            |
| Hessian Construction Ordinance   | 11TL-20                   | 24.03.2010;16.04.2013 |
| Water legislation                | 11TL-5                    | 29.06.1990            |
| Water legislation                | 11TL-8                    | 04.08.1996            |
| Federal Pollution Control Act    | 12F-2                     | 27.07.1998            |
| Federal Pollution Control Act    | 12F-4                     | 14.07.1999            |
| Trade Regulation Act             | 12TL-1                    | 03.04.1957            |
| Trade Regulation Act             | 12TL-2                    | 02.06.1964            |
| Water legislation (WHG)          | 15KL-1                    | 31.03.1983            |
| Water legislation                | 15KL-2                    | 23.06.1986            |
| Water legislation                | 15KL-3                    | 12.01.1989            |
| Federal Pollution                | 18E-2                     | 25.03.1991            |

| Field of law                                                  | Internal reference number | Date of approvalField |
|---------------------------------------------------------------|---------------------------|-----------------------|
| Control Act                                                   |                           |                       |
| Federal Pollution Control Act (BIM)                           | 19E-1                     | 22.03.1976            |
| Federal Pollution Control Act (BIM)                           | 22TL-1                    | 24.01.1986            |
| Federal Pollution Control Act                                 | 22TL-3                    | 25.11.1997            |
| Federal Pollution Control Act                                 | 22TL-6                    | 09.02.2000            |
| Federal Pollution Control Act                                 | 22TL-7                    | 24.06.2003            |
| Federal Pollution Control Act                                 | 22TL-8                    | 12.12.2003            |
| Federal Pollution Control Act                                 | 22TL-9                    | 09.07.2015            |
| Trade Regulation Act                                          | 24C-2                     | 06.07.1962            |
| Federal Pollution Control Act                                 | 24C-4                     | 13.12.1979            |
| Federal Pollution Control Act                                 | 24C-5                     | 29.04.1981            |
| Trade Regulation Act                                          | 26D-1                     | 20.12.1973            |
| Federal Pollution Control Act                                 | 26D-2                     | 11.01.1974            |
| Federal Pollution Control Act                                 | 26D-3                     | 06.05.1975            |
| Federal Pollution Control Act                                 | 26D-4                     | 15.04.1977            |
| Federal Pollution Control Act                                 | 26D-5                     | 26.08.1980            |
| Federal Pollution Control Act                                 | 26D-7                     | 16.12.1996            |
| Federal Pollution Control Act                                 | 26D-8                     | 28.06.2001            |
| Federal Pollution Control Act                                 | 26D-A1                    | 26.05.1998            |
| Federal Pollution Control Act                                 | 27D-7                     | 18.09.1991            |
| Federal Pollution Control Act                                 | 27D-A1                    | 19.08.1999            |
| Federal Pollution Control Act                                 | 27D-A3                    | 13.07.2004            |
| Federal Pollution Control Act                                 | 27D-A4                    | 10.12.2007            |
| Hessian Construction Ordinance                                | 28D-8                     | 06.01.2011            |
| Federal Pollution Control Act                                 | 29D-2                     | 19.01.1978            |
| Hessian Construction Ordinance ;Federal Pollution Control Act | 29D-3                     | 28.08.1996            |
| Federal Pollution Control Act                                 | 29D-4                     | 21.06.1996            |
| Water legislation                                             | 29D-5                     | 14.02.1996            |
| Federal Pollution Control Act                                 | 29D-6                     | 14.01.1994            |
| Regulation inflammable materials                              | 29D-8                     | 14.10.1999            |
| Federal Pollution Control Act                                 | 29D-A1                    | 10.02.1997            |
| Federal Pollution Control Act                                 | 29D-A2                    | 20.02.1997            |
| Federal Pollution Control Act                                 | 29D-A3                    | 20.02.1997            |
| Federal Pollution Control Act                                 | 29D-A4                    | 03.04.2000            |
| Federal Pollution Control Act                                 | 2F-5                      | 17.05.1982            |
| Federal Pollution Control Act                                 | 2F-6A                     | 23.02.1990            |
| Federal Pollution Control Act                                 | 2F-A3                     | 25.01.2000            |
| Federal Pollution                                             | 2F-A4                     | 05.12.2001            |

| Field of law                     | Internal reference number | Date of approvalField |
|----------------------------------|---------------------------|-----------------------|
| Control Act                      |                           |                       |
| Federal Pollution Control Act    | 301M-A1                   | 15.02.2001            |
| Federal Pollution Control Act    | 301M-A2                   | 26.11.2001            |
| Federal Pollution Control Act    | 301M-A3                   | 27.08.2002            |
| Federal Pollution Control Act    | 301M-A4                   | 19.04.2004            |
| Federal Pollution Control Act    | 301M-A5                   | 18.03.2010            |
| Federal Pollution Control Act    | 301M-A6                   | 14.02.2011            |
| Federal Pollution Control Act    | 301M-A7                   | 26.09.2011            |
| Water legislation                | 32G-2                     | 20.08.2015            |
| Regulation inflammable materials | 3E/4E-2                   | 30.11.2000            |
| Operating Safety Ordinance       | 3E/4E-3A                  | 14.12.2006            |
| Federal Pollution Control Act    | 3E-1                      | 03.04.1957            |
| Hessian Construction Ordinance   | 3E-2                      | 16.07.1957            |
| Federal Pollution Control Act    | 5/10E-1                   | 25.07.1978            |
| Federal Pollution Control Act    | 5/10E-2                   | 21.12.1993            |
| Federal Pollution Control Act    | 5/10E-3                   | 18.03.1996            |
| Federal Pollution Control Act    | 5/10E-4                   | 25.08.1983            |
| Federal Pollution Control Act    | 5/10E-5                   | 15.09.2000            |
| Federal Pollution Control Act    | 5/10E-A1                  | 06.03.1997            |
| Federal Pollution Control Act    | 5/10E-A2                  | 12.03.1997            |
| Federal Pollution Control Act    | 5/10E-A3                  | 10.02.2000            |
| Federal Pollution Control Act    | 5/10E-V1                  | 10.06.1991            |
| Trade Regulation Act             | 5/7F-1                    | 27.01.1967            |
| Federal Pollution Control Act    | 5/7F-10                   | 03.08.1999            |
| Federal Pollution Control Act    | 5/7F-10A                  | 23.03.1998            |
| Federal Pollution Control Act    | 5/7F-2                    | 21.05.1992            |
| Federal Pollution Control Act    | 5/7F-3                    | 05.03.1991            |
| Federal Pollution Control Act    | 5/7F-5                    | 12.12.1994            |
| Federal Pollution Control Act    | 5/7F-5A                   | 28.02.1994            |
| Federal Pollution Control Act    | 5/7F-6                    | 11.10.1995            |
| Federal Pollution Control Act    | 5/7F-8                    | 09.09.1993            |
| Federal Pollution Control Act    | 5/7F-9                    | 21.06.1997            |
| Federal Pollution Control Act    | 500M-2                    | 15.02.2000            |
| Water legislation                | 500M-2B                   | 15.02.2000            |
| Federal Pollution Control Act    | 500M-6                    |                       |
| Federal Pollution Control Act    | 500M-A2                   | 18.02.2002            |
| Trade Regulation Act             | 7E-1                      | 10.12.1963            |
| Water legislation                | 7E-10                     | 20.09.1996            |
| Federal Pollution Control Act    | 7E-11                     | 06.01.1998            |

| Field of law                                                        | Internal reference number | Date of approvalField |
|---------------------------------------------------------------------|---------------------------|-----------------------|
| Federal Pollution Control Act                                       | 7E-12                     | 21.06.1999            |
| Federal Pollution Control Act                                       | 7E-13                     | 14.12.2000            |
| Federal Pollution Control Act                                       | 7E-15                     | 25.01.2005            |
| Federal Pollution Control Act                                       | 7E-16                     | 15.06.2005            |
| Federal Pollution Control Act                                       | 7E-17                     | 14.12.2006            |
| Trade Regulation Act                                                | 7E-2                      | 28.06.1968            |
| Federal Pollution Control Act                                       | 7E-3                      | 12.05.1976            |
| Federal Pollution Control Act                                       | 7E-4                      | 30.07.1979            |
| Federal Pollution Control Act                                       | 7E-5                      | 05.10.1977            |
| Federal Pollution Control Act                                       | 7E-6                      | 30.07.1979            |
| Federal Pollution Control Act                                       | 7E-6A                     | 25.08.1983            |
| Federal Pollution Control Act                                       | 7E-7                      | 03.01.1994            |
| Federal Pollution Control Act                                       | 7E-8                      | 07.08.1997            |
| Regulation inflammable materials                                    | 7E-9                      | 04.12.1996            |
| Federal Pollution Control Act                                       | 7E-A2                     | 29.06.2000            |
| Federal Pollution Control Act                                       | 7E-A3                     | 19.12.2003            |
| Federal Pollution Control Act                                       | 7E-V1                     | 28.02.1987            |
| Federal Pollution Control Act                                       | 7E-V2                     | 31.12.1990            |
| Federal Pollution Control Act                                       | 7E-V3                     | 29.04.1991            |
| Federal Pollution Control Act                                       | 7E-V4                     | 01.01.1994            |
| Federal Pollution Control Act                                       | 7E-V5                     | 01.03.2000            |
| Federal Pollution Control Act                                       | 8E-A2                     | 28.09.2010            |
| Regulation inflammable materials                                    | 8G-2A                     | 22.07.1982            |
| Federal Pollution Control Act                                       | 8G-3                      | 05.08.1986            |
| Federal Pollution Control Act ;Hessian Construction Ordinance (VBF) | 8G-4                      | 08.05.1987            |
| Federal Pollution Control Act ;Hessian Construction Ordinance (BIM) | 8G-4                      | 08.05.1987            |
| Federal Pollution Control Act                                       | 8G-5                      | 07.02.1990            |
| Federal Pollution Control Act                                       | 9E-1                      | 28.09.1961            |
| Other provisions                                                    | 9E-3                      | 24.08.1983            |
| Federal Pollution Control Act                                       | 9TL-1                     | 29.08.1977            |
| Other provisions                                                    | 9TL-2                     |                       |
| Trade Regulation Act                                                | 9TL-3                     | 14.03.1967            |
| Water legislation                                                   | 9TL-5                     | 06.02.1998            |
| Water legislation                                                   | 9TL-6                     | 06.02.1998            |
| Water legislation                                                   | 9TL-7                     | 15.03.2001            |

**Annex 48.3.b**  
Product-related approvals

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

#### A. Product-related approvals of the Operating Unit KGaA Healthcare

| Country            | License code          | Issue date |
|--------------------|-----------------------|------------|
| Romania            | 8004/2015/01          | 08.04.1992 |
| Azerbaijan         | AZ0087PR (M01401)     |            |
| Egypt              | 18893/1995 (M01405)   |            |
| Greece             | (M28821/ETH0 4510)    | 10.11.1998 |
| Vietnam            | (M27635/ETH1 3581)    | 29.01.2003 |
| Latvia             | 11-0130               | 03.05.2011 |
| Latvia             | 11-0131               | 03.05.2011 |
| Latvia             | 11-0132               | 03.05.2011 |
| Latvia             | 11-0133               | 03.05.2011 |
| Lithuania          | LT/1/11/2380/0 01-004 | 16.03.2011 |
| Lithuania          | LT/1/11/2380/0 05-008 | 16.03.2011 |
| Lithuania          | LT/1/11/2380/0 09-012 | 16.03.2011 |
| Lithuania          | LT/1/11/2380/0 13-016 | 16.03.2011 |
| Romania            | 8773/2016/01-04       | 30.09.2011 |
| Romania            | 8775/2016/01-04       | 30.09.2011 |
| Romania            | 8774/2016/01-04       | 30.09.2011 |
| Romania            | 8776/2016/01-04       | 30.09.2011 |
| Bahrain            | DRN-8731/16           | 28.11.2016 |
| Bahrain            | DRN-8732/16           | 28.11.2016 |
| Bahrain            | DRN-8733/16           | 28.11.2016 |
| Curacao            | 12.10.056             | 01.12.2012 |
| Curacao            | 12.10.055             | 01.12.2012 |
| Curacao            | 12.10.053             | 01.12.2012 |
| Curacao            | 12.10.054             | 01.12.2012 |
| Dominican Republic | 2015-1399             | 03.10.2015 |
| Dominican Republic | 2015-0992             | 09.07.2015 |
| Dominican Republic | 2014-0681             | 15.07.2014 |
| Dominican Republic | 2014-0682             | 15.07.2014 |
| Guatemala          | PF-48408              | 13.03.2013 |
| Guatemala          | PF-48409              | 14.03.2013 |
| Guatemala          | PF-48415              | 18.03.2013 |
| Guatemala          | PF-48421              | 19.03.2013 |
| Honduras           | M-18643               | 19.10.2012 |
| Honduras           | M19143                | 06.06.2013 |
| Honduras           | M-18716               | 07.11.2012 |
| Honduras           | M-19217               | 29.07.2013 |
| Jamaica            | 2B 653 (ETH21413)     | 12.12.2012 |
| Jamaica            | 2B 654 (ETH21430)     | 12.12.2012 |
| Jamaica            | 2B 655 (ETH21447)     | 12.12.2012 |
| Jamaica            | 2B 656 (ETH21464)     | 12.12.2012 |
| Kuwait             | 6950/ Mar 15          | 19.03.2015 |
| Kuwait             | 6949/ Mar 15          | 19.03.2015 |
| Kuwait             | 6948/ Mar 15          | 19.03.2015 |
| Nicaragua          | 1132710914            | 03.09.2014 |
| Nicaragua          | 1132700914            | 03.09.2014 |
| Nicaragua          | 1132720914            | 03.09.2014 |
| Nicaragua          | 1132730914            | 03.09.2014 |

| Country             | License code                  | Issue date |
|---------------------|-------------------------------|------------|
| Panama              | <i>steht noch aus</i>         |            |
| Russian Federation  | JII-001137 (M23567/ETH2 1370) | 03.11.2011 |
| Russian Federation  | JII-001137 (M23568/ETH2 1390) | 03.11.2011 |
| Russian Federation  | JII-001137 (M23569/ETH2 1380) | 03.11.2011 |
| Russian Federation  | JII-001137 (M23570/ETH2 1399) | 03.11.2011 |
| El Salvador         | F010507032013                 | 14.03.2013 |
| El Salvador         | F009307032013                 | 13.03.2013 |
| El Salvador         | F014214032013                 | 02.04.2013 |
| El Salvador         | F018903042013                 | 03.04.2013 |
| Trinidad und Tobago | 76090512T                     | 30.11.2012 |
| Trinidad und Tobago | 76100512T                     | 30.11.2012 |
| Trinidad und Tobago | 76110512T                     | 30.11.2012 |
| Trinidad und Tobago | 76120512T                     | 30.11.2012 |
| Bulgarien           | 20060181 (ETH05815)           | 28.04.2006 |
| Bulgarien           | 20060182 (ETH05817)           | 28.04.2006 |
| Bulgarien           | 20060183 (ETH05816)           | 28.04.2006 |
| Czech Republic      | 77/026/01-C (ETH04848)        | 24.01.2001 |
| Czech Republic      | 77/027/01-C (ETH04849)        | 24.01.2001 |
| Czech Republic      | 77/028/01-C (ETH04850)        | 24.01.2001 |
| Latvia              | 02-0168                       | 08.07.2002 |
| Latvia              | 02-0169                       | 08.07.2002 |
| Latvia              | 02-0170                       | 08.07.2002 |
| Norwegen            | 99-7737 (ETH04707)            | 08.08.2002 |
| Norwegen            | 99-7738 (ETH04708)            | 08.08.2002 |
| Norwegen            | 99-7739 (ETH04709)            | 08.08.2002 |
| Norwegen            | 99-7740 (ETH04710)            | 08.08.2002 |
| Norwegen            | 99-7741 (ETH04711)            | 08.08.2002 |
| Norway              | 99-7742 (ETH04712)            | 08.08.2002 |
| Poland              | 8589                          | 02.02.2001 |
| Poland              | 8590                          | 02.02.2001 |
| Poland              | 8591                          | 02.02.2001 |
| Poland              | 8592                          | 02.02.2001 |
| Poland              | 8593                          | 02.02.2001 |
| Poland              | 8594                          | 02.02.2001 |
| Romania             | 6094/2014/01-04               | 09.08.2002 |
| Romania             | 6095/2014/01-04               | 09.08.2002 |
| Romania             | 6096/2014/01-04               | 09.08.2002 |
| Slovakia            | 41/0010/02-S (ETH04836)       | 07.02.2002 |
| Slovakia            | 41/0011/02-S (ETH04837)       | 07.02.2002 |

| Country              | License code            | Issue date |
|----------------------|-------------------------|------------|
| Slovakia             | 41/0012/02-S (ETH04838) | 07.02.2002 |
| United Arab Emirates | RR 66/39 (ETH05272)     | 14.04.2002 |
| Armenia              | 13751                   | 01.04.2005 |
| Azerbaijan           | DV No.12-0922           | 26.12.2012 |
| Bangladesh           | 37-4160-06 (ETH06483)   | 16.03.2006 |
| Belarus              | 7632/06/08/11/1 2/16    | 28.02.2006 |
| Ecuador              | 23.405-09-00 (ETH04339) | 27.09.2000 |
| Ecuador              | 23.406-09-00 (ETH04337) | 27.09.2000 |
| Georgia              | R-018247                | 01.08.2006 |
| Guatemala            | PF-23381                | 26.10.2000 |
| Irak                 | DAF/9/1317              | 18.10.2017 |
| Jordan               | 50/2004 (ETH05252)      | 04.03.2004 |
| Kyrgyzstan           | KG.3.3.039.047 35-2017  | 18.07.2007 |
| Kazakhstan           | PK -JIC- 5N003593 Ver   | 01.11.2006 |
| Moldova, Republic    | 23774                   | 29.01.2008 |
| Mongolia             | F20120706CP0 3069       |            |
| Panama               | R2-53236                | 13.07.2001 |
| Russian Federation   | П N 013955/01           | 06.12.2007 |
| Saudi Arabia         | 53-22-02                | 04.09.2002 |
| Syrian Arab Republic | 2849 (ETH08173)         | 02.05.2010 |
| Tajikistan           | 7153                    | 16.10.2008 |
| Ukraine              | UA/3322/01/01           | 01.08.1990 |
| Usbekistan           | DV/X 01203/12/15        | 22.11.2010 |
| Yemen                | 11709                   | 26.07.2004 |
| Turkmenistan         | JIC-A №010297           | 02.07.2014 |
| Denmark              | (M27802/ETH0 5026)      | 26.10.1999 |
| Denmark              | (M27803/ETH0 5027)      | 26.10.1999 |
| Denmark              | (M27804/ETH0 5030)      | 26.10.1999 |
| Denmark              | (M28325/ETH0 5024)      | 26.10.1999 |
| Denmark              | (M28326/ETH0 5025)      | 26.10.1999 |
| Denmark              | (M28327/ETH0 5028)      | 26.10.1999 |
| Spain                | 63045 (ETH05151)        | 06.04.2000 |
| Spain                | 63046 (ETH05152)        | 06.04.2000 |
| Spain                | 63047 (ETH05153)        | 11.04.2000 |
| Spain                | 63048 (ETH05154)        | 11.04.2000 |
| Spain                | 63049 (ETH05155)        | 11.04.2000 |

**Annex 48.3.b**  
Product-related approvals

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Country        | License code             | Issue date |
|----------------|--------------------------|------------|
| Spain          | 63050 (ETH05156)         | 11.04.2000 |
| Sweden         | 15229                    | 04.06.1999 |
| Sweden         | 15230                    | 04.06.1999 |
| Sweden         | 15231                    | 04.06.1999 |
| Sweden         | 15371                    | 04.06.1999 |
| Sweden         | 15372                    | 04.06.1999 |
| Sweden         | 15373                    | 04.06.1999 |
| Denmark        | 30978                    | 26.10.1999 |
| Denmark        | 30979                    | 26.10.1999 |
| Denmark        | 30980                    | 26.10.1999 |
| Denmark        | 30981                    | 26.10.1999 |
| Denmark        | 30982                    | 26.10.1999 |
| Denmark        | 30983                    | 26.10.1999 |
| Spain          | 63108 (ETH05157)         | 09.05.2000 |
| Spain          | 63109 (ETH05158)         | 09.05.2000 |
| Spain          | 63110 (ETH05159)         | 09.05.2000 |
| Spain          | 63111 (ETH05160)         | 09.05.2000 |
| Spain          | 63112 (ETH05161)         | 09.05.2000 |
| Spain          | 63113 (ETH05162)         | 09.05.2000 |
| Sweden         | 15232                    | 04.06.1999 |
| Sweden         | 15233                    | 04.06.1999 |
| Sweden         | 15234                    | 04.06.1999 |
| Sweden         | 15374                    | 04.06.1999 |
| Sweden         | 15375                    | 04.06.1999 |
| Sweden         | 15376                    | 04.06.1999 |
| Spain          | 63080 (ETH05163)         | 09.05.2000 |
| Spain          | 63081 (ETH05164)         | 09.05.2000 |
| Spain          | 63082 (ETH05165)         | 09.05.2000 |
| Spain          | 63083 (ETH05166)         | 09.05.2000 |
| Spain          | 63099 (ETH05168)         | 09.05.2000 |
| Spain          | 63100 (ETH05167)         | 09.05.2000 |
| Sweden         | 15235                    | 04.06.1999 |
| Sweden         | 15236                    | 04.06.1999 |
| Sweden         | 15237                    | 04.06.1999 |
| Sweden         | 15377                    | 04.06.1999 |
| Sweden         | 15378                    | 04.06.1999 |
| Sweden         | 15379                    | 04.06.1999 |
| Sweden         | 15238                    | 04.06.1999 |
| Sweden         | 15239                    | 04.06.1999 |
| Sweden         | 15240                    | 04.06.1999 |
| Sweden         | 15380                    | 04.06.1999 |
| Sweden         | 15381                    | 04.06.1999 |
| Sweden         | 15382                    | 04.06.1999 |
| Bulgaria       | II - 7678/27.06.2003     | 27.06.2003 |
| Bulgaria       | II - 7679/27.06.2003     | 27.06.2003 |
| Czech Republic | 41/304/89-A/C (ETH02086) | 11.12.1989 |
| Czech Republic | 41/304/89-B/C (ETH02087) | 11.12.1989 |
| Finland        | 10190 (ETH02780)         | 28.03.1990 |
| Finland        | 10191 (ETH02781)         | 28.03.1990 |

| Country              | License code            | Issue date |
|----------------------|-------------------------|------------|
| Finland              | 16346 (ETH05446)        | 10.09.2001 |
| Finland              | 16347 (ETH05447)        | 10.09.2001 |
| Latvia               | 99-0010                 | 20.01.1999 |
| Latvia               | 99-0011                 | 20.01.1999 |
| Norway               | 02-1326 (ETH06125)      | 08.08.2002 |
| Norway               | 02-1327 (ETH06126)      | 08.08.2002 |
| Poland               | 4894                    | 10.04.2000 |
| Poland               | 4895                    | 10.04.2000 |
| Poland               | R/3734                  | 16.11.1995 |
| Poland               | R/3735                  | 16.11.1995 |
| Romania              | 6251/2014/01            | 28.02.1992 |
| Romania              | 6252/2014/01            | 28.02.1992 |
| Romania              | 6011/2005/01 (ETH06178) | 26.12.2005 |
| Romania              | 6012/2005/01 (ETH06179) | 26.12.2005 |
| Sweden               | 11202                   | 15.06.1990 |
| Sweden               | 11203                   | 15.06.1990 |
| Slovakia             | 41/0054/03-S (ETH05877) | 14.03.2003 |
| Slovakia             | 41/0055/03-S (ETH05878) | 14.03.2003 |
| Slovakia             | 41/0304/89-S (ETH03707) | 11.12.1989 |
| Slovakia             | 41/0304/89-S (ETH03708) | 11.12.1989 |
| United Arab Emirates | RR-66/35 (ETH02828)     | 12.02.1990 |
| United Arab Emirates | RR-66/36 (ETH02829)     | 12.02.1990 |
| Armenia              | 13752                   | 04.02.2005 |
| Armenia              | 13399                   | 08.06.2004 |
| Aruba                | 18.12.03.200            | 06.09.1999 |
| Aruba                | 18.12.03.198            | 26.10.2000 |
| Aruba                | 18.12.03.199            | 06.09.1999 |
| Azerbaijan           | DV No.16-00396          | 31.03.2005 |
| Azerbaijan           | DV No.16-00396          | 31.03.2005 |
| Bangladesh           | 330-4472-10 (ETH07577)  | 15.02.2010 |
| Bangladesh           | 37-4161-06 (ETH06484)   | 16.03.2006 |
| Curacao              | 03.00.137               | 26.10.2000 |
| Curacao              | 03.00.138               | 06.09.1999 |
| Curacao              | 03.00.139               | 06.09.1999 |
| Dominican Republic   | 2001-1011               | 12.06.2001 |
| Dominican Republic   | 2001-1013               | 13.06.2001 |
| Dominican Republic   | 2001-1015               | 13.06.2001 |
| Georgia              | R-013646                | 01.06.1999 |
| Georgia              | R-013647                | 01.06.1999 |
| Ghana                | FDB/SD.163-3255         | 15.03.2016 |
| Ghana                | FDB/SD.163-3253         | 15.03.2016 |
| Ghana                | FDB/SD.163-3254         | 15.03.2016 |
| Guatemala            | PF-14018                | 06.09.1999 |
| Guatemala            | PF-14019                | 06.09.1999 |
| Honduras             | M-04788                 | 18.09.1996 |
| Honduras             | M-05189                 | 16.05.1997 |
| Honduras             | M-09207                 | 25.04.2001 |
| Irak                 | TBC                     | 25.05.2017 |

| Country                        | License code            | Issue date |
|--------------------------------|-------------------------|------------|
| Irak                           | DAF/9/4785              | 11.10.2017 |
| Jamaica                        | 2A 309 (ETH06053)       | 06.11.2003 |
| Jamaica                        | 2A 310 (ETH06054)       | 06.11.2003 |
| Jamaica                        | 2A 311 (ETH06055)       | 06.11.2003 |
| Jordan                         | 138/2001 (ETH03352)     | 02.03.1993 |
| Jordan                         | 139/2001 (ETH03351)     | 02.03.1993 |
| Kyrgyzstan                     | KG.3.3.209.031 95-2015  | 09.09.2005 |
| Kyrgyzstan                     | KG.3.3.209.031 96-2015  | 09.09.2005 |
| Korea, Republik von            | 2555-47                 | 18.05.2001 |
| Korea, Republik von            | 2555-9                  | 28.11.2000 |
| Kazakhstan                     | PK-JIC-5№014587         | 01.01.2002 |
| Kazakhstan                     | PK-JIC-5№014588         | 01.01.2002 |
| Moldova, Republic              | 21878                   | 02.07.2010 |
| Moldova, Republic              | 21877                   | 02.07.2010 |
| Mongolia                       | F20120706CP0 3070       | 06.07.2012 |
| Mongolia                       | F20120706CP0 3071       | 06.07.2012 |
| Nicaragua                      | 155340101               | 31.12.2000 |
| Nicaragua                      | 116530497               | 08.04.1997 |
| Nicaragua                      | 116540497               | 08.04.1997 |
| Panama                         | R2-55687                | 16.05.2002 |
| Occupied Palestinian Territory | 097/5818/30             | 23.09.2014 |
| Occupied Palestinian Territory | 097/5819/30             | 23.09.2014 |
| Russian Federation             | Π N012963/01 (ETH02790) | 09.11.1994 |
| Russian Federation             | Π N012963/01 (ETH02791) | 09.11.1994 |
| Saudi Arabia                   | 50/22/91 (ETH03318)     | 24.01.1992 |
| Saudi Arabia                   | 51/22/91 (ETH03319)     | 24.01.1992 |
| El Salvador                    | 21938                   | 18.06.1996 |
| El Salvador                    | 21939                   | 18.06.1996 |
| El Salvador                    | FO3552103200 1          | 21.03.2001 |
| Syrian Arab Republic           | 2849 (ETH08171)         | 02.05.2010 |
| Syrian Arab Republic           | 2849 (ETH08172)         | 02.05.2010 |
| Tajikistan                     | 6769                    | 12.06.2008 |
| Tajikistan                     | 006769 (10 mg)          | 29.10.2013 |
| Turkmenistan                   | JIC-A 001057            | 10.03.2014 |
| Turkmenistan                   | JIC-B 003065            | 17.06.2009 |
| Trinidad and Tobago            | 27190703T (ETH06056)    | 27.08.2003 |
| Trinidad and Tobago            | 27200703T (ETH06057)    | 27.08.2003 |
| Trinidad and Tobago            | 27210703T (ETH06058)    | 27.08.2003 |
| Ukraine                        | UA/3322/01/02           | 08.04.2013 |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Country              | License code                          | Issue date |
|----------------------|---------------------------------------|------------|
| Ukraine              | UA/3322/01/03                         | 08.04.2013 |
| Usbekistan           | II-2-1-92<br>№01995                   | 04.04.1995 |
| Yemen                | 3550<br>(ETH03531)                    | 21.11.1993 |
| Yemen                | 3551<br>(ETH03532)                    | 21.11.1993 |
| Sudan                | 18-910/2014                           | 28.05.2014 |
| Sudan                | 18-908/2014                           | 28.05.2014 |
| Sudan                | 18-909/2014                           | 28.05.2014 |
| Germany              | 30627.00.00                           | 28.06.1993 |
| Germany              | 30627.01.00                           | 28.06.1993 |
| Germany              | 33194.00.00                           | 09.08.1994 |
| Germany              | 33194.01.00                           | 09.08.1994 |
| Germany              | 33196.00.00                           | 09.08.1994 |
| Germany              | 33196.01.00                           | 09.08.1994 |
| Spain                | 60 243<br>(ETH03201)                  | 19.05.1994 |
| Finland              | 12098<br>(ETH03866)                   | 20.03.1996 |
| Finland              | 12099<br>(ETH03867)                   | 20.03.1996 |
| Luxemburg            | 0063/94/02/007<br>4                   | 02.02.1994 |
| Luxemburg            | 0063/94/02/014<br>9                   | 02.02.1994 |
| United Arab Emirates | RR 66/37<br>(ETH04189)                | 04.07.1999 |
| Jordan               | 57/ND/2012                            | 20.06.2012 |
| Saudi Arabia         | 52-22-99<br>(ETH04187)                | 26.06.1999 |
| Saudi Arabia         | 58-22-06<br>(ETH04464)                | 12.12.2006 |
| Syrian Arab Republic | 2916<br>(ETH08146)                    | 08.07.2012 |
| Syrian Arab Republic | 2916<br>(ETH08147)                    | 08.07.2012 |
| Yemen                | (M24316/ETH0<br>8145)                 | 14.12.2011 |
| Romania              | 9067/2016/01                          | 14.05.1991 |
| Romania              | 9068/2016/01                          | 14.05.1991 |
| Iceland              | IS/1/04/101/01                        | 14.01.2004 |
| Germany              | 6105489.00.00<br>(ETH04529)           | 06.09.2004 |
| Germany              | (M28992/ETH0<br>2125)                 | 29.04.1971 |
| Germany              | (M28993/ETH0<br>2157)                 | 07.11.1974 |
| Romania              | 4154/2011/01-<br>02-03                | 19.11.1982 |
| Romania              | 4155/2011/01-<br>02-03                | 19.11.1982 |
| Azerbaijan           | DV № 15-<br>00982                     | 05.04.2011 |
| Georgia              | R 013649 (                            |            |
| Ghana                | FDB/SD 113-<br>12670<br>(ETH08277)    | 09.12.2014 |
| Kyrgyzstan           | KG.3.3125.030<br>28-2015              | 21.04.2010 |
| Kazakhstan           | PK-JIC-<br>5№020618<br>(ETH04419)     | 03.06.2014 |
| Russian Federation   | II N013412/02<br>(ETH02785)           | 27.12.1976 |
| Sudan                | TB/080/16052<br>(M01665/ETH0<br>3063) | 31.03.1964 |
| Tajikistan           | 7154                                  | 16.10.2008 |
| Turkmenis-<br>tan    | №001058 JIC-A                         | 10.03.2014 |

| Country                            | License code                                                  | Issue date |
|------------------------------------|---------------------------------------------------------------|------------|
| Ukraine                            | UA/8031/02/01                                                 | 26.02.2013 |
| Czech Re-<br>public                | 06/135/73-C<br>(ETH02082)                                     | 29.01.1974 |
| Latvia                             | 96-0225                                                       | 06.06.1996 |
| Romania                            | 5552/2013/01                                                  | 19.11.1982 |
| Azerbaijan                         | DV № 15-<br>00837                                             | 05.04.2011 |
| Georgia                            | R 013648<br>(ETH04278)                                        | 27.05.2014 |
| Ghana                              | FDB/SD.153-<br>2045                                           | 05.02.2015 |
| Kyrgyzstan                         | 3.3.125.03029-<br>2015                                        | 19.11.2009 |
| Kazakhstan                         | PK-JIC-<br>5№020619<br>(ETH04418)                             | 03.06.2014 |
| Russian Federation                 | II N013412/01<br>(ETH02786)                                   | 27.12.1976 |
| Tajikistan                         | 6082                                                          | 16.10.2008 |
| Turkmenis-<br>tan                  | №005799 JIC-A                                                 | 17.06.2004 |
| Ukraine                            | UA/8031/01/01                                                 | 26.02.2013 |
| Yemen                              | (M17241/ETH0<br>4295)                                         | 01.10.1999 |
| Sudan                              | L/080/16055<br>(ETH03064)                                     | 31.03.1964 |
| Kosovo                             | MA-<br>4092/15/06/201<br>5                                    | 15.06.2015 |
| European Union                     | EU/1/04/281/00<br>1                                           | 29.06.2004 |
| European Union                     | EU/1/04/281/00<br>2-003-004-005                               | 29.06.2004 |
| Albania                            | Ministry of<br>Health Order<br>No. 133/ Certif-<br>icate 8086 | 29.03.2016 |
| Azerbaijan                         | DV№11-00976                                                   | 19.12.2011 |
| Barbados                           | (country wit-<br>hout registrati-<br>on)                      |            |
| Belarus                            | 8931/09/13/14/1<br>5/16                                       | 30.03.2009 |
| Belarus                            | N8371/07                                                      | 28.09.2007 |
| China                              | S20050095<br>(ETH05686)                                       | 30.12.2005 |
| China                              | S20130004                                                     | 25.03.2009 |
| Costa Rica                         | 4101-EP-4071<br>(ETH05688)                                    | 05.01.2007 |
| Costa Rica                         | 4101-EP-6850                                                  | 05.10.2010 |
| Costa Rica                         | 4101-EP-7006                                                  | 17.11.2010 |
| Dominican Republic                 | ZZ_2006-1506<br>(ETH05689)                                    | 27.10.2006 |
| Dominican Republic                 | 2010-0056<br>(ETH07272)                                       | 28.01.2010 |
| Dominican Republic                 | 2009-1158                                                     | 19.08.2009 |
| Algerien                           | 08/05D117/062<br>(ETH05826)                                   | 23.12.2008 |
| Algerien                           | 12/05D157/062<br>(ETH07268)                                   | 10.01.2012 |
| Ecuador                            | 26.587-09-05<br>(ETH06294)                                    | 06.09.2005 |
| Gabun                              | 7845/17/DMP                                                   | 30.06.2017 |
| Gulf Coope-<br>ration Coun-<br>cil | GRD/029/001/0<br>9                                            | 10.11.2010 |
| Georgia                            | №R-007255                                                     | 24.02.2012 |
| Georgia                            | №R-007256                                                     | 20.03.2014 |
| Guatemala                          | PF-35591<br>(ETH05691)                                        | 08.07.2005 |

| Country                | License code                     | Issue date |
|------------------------|----------------------------------|------------|
| Guatemala              | PF-41416                         | 19.09.2008 |
| Guatemala              | PF-42857                         | 29.04.2009 |
| Honduras               | ZZ_M-14693<br>(ETH05692)         | 17.07.2007 |
| Honduras               | M-15971<br>(ETH07277)            | 15.01.2009 |
| Honduras               | M-16501<br>(M28765/ETH2<br>2089) | 20.11.2009 |
| Iran, Islamic Republic | 665/9762                         | 17.09.2015 |
| Jamaica                | 9A 253<br>(ETH07997)             | 07.07.2009 |
| Jordan                 | 9/ND/2010<br>(ETH07933)          | 03.03.2010 |
| Kyrgyzstan             | 5167                             | 22.10.2008 |
| Kyrgyzstan             | II-2013-737<br>KP-№ 10769        | 22.10.2008 |
| Kuwait                 | 240.0<br>(ETH05801)              | 09.04.2008 |
| Kuwait                 | GRD/029/001/0<br>9 (ETH07203)    | 10.11.2010 |
| Kazakhstan             | 5483                             | 12.02.2007 |
| Kazakhstan             | PK-JIC-<br>5№013421              | 23.01.2009 |
| Lebanon                | 194337/05<br>(ETH06507)          | 13.09.2005 |
| Lebanon                | 221698, 221699<br>(ETH07263)     | 21.05.2009 |
| Moldova, Republic      | 12925                            | 28.05.2008 |
| Moldova, Republic      | 23439                            | 17.09.2012 |
| Moldova, Republic      | 23438                            | 17.09.2012 |
| Nicaragua              | 1107450909                       | 29.04.2009 |
| Nicaragua              | 1.88820206E8<br>(ETH05694)       | 20.02.2006 |
| Nicaragua              | 1111440710                       | 19.09.2008 |
| Panama                 | ZZ_61585<br>(ETH05695)           | 29.07.2005 |
| Panama                 | 75271                            | 17.09.2010 |
| Panama                 | 81590                            | 13.06.2012 |
| Russian Federation     | LSR-000016,<br>(ETH05696)        | 23.03.2007 |
| Russian Federation     | LSR-002745/09<br>(ETH07264)      | 07.04.2009 |
| El Salvador            | F000707012009<br>(ETH07275)      | 08.01.2009 |
| El Salvador            | F022617052006<br>(ETH05690)      | 17.05.2006 |
| Syrian Arab Republic   | 2867<br>(ETH08289)               | 16.01.2011 |
| Tunesien               | 1333012H                         | 18.04.2012 |
| Tunesien               | 1333011H                         | 22.07.2014 |
| Trinidad und Tobago    | 69570810T<br>(UA08105)           | 03.11.2011 |
| Ukraine                | UA/13055/01/0<br>1               | 26.11.2008 |
| Ukraine                | NUA<br>5392/01/01/               | 16.11.2006 |
| Uruguay                | 42275                            | 05.03.2009 |
| Vietnam                | VN1-252-10<br>(ETH06903)         | 07.01.2010 |
| Denmark                | 32223                            | 20.06.2001 |
| Denmark                | 32224                            | 20.06.2001 |
| Denmark                | 32225                            | 20.06.2001 |
| Denmark                | 32226                            | 20.06.2001 |
| Denmark                | 32227                            | 20.06.2001 |
| Denmark                | 32228                            | 20.06.2001 |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Country | License code                   | Issue date |
|---------|--------------------------------|------------|
| Denmark | 32229                          | 20.06.2001 |
| Denmark | 32230                          | 20.06.2001 |
| Greece  | 14029/23-02-2012<br>(ETH06900) | 06.06.2007 |
| Greece  | 14030/23-02-2012<br>(ETH06901) | 06.06.2007 |
| Greece  | 14031/23-02-2012<br>(ETH06902) | 06.06.2007 |
| Greece  | 14032/23-02-2012<br>(ETH06895) | 06.06.2007 |
| Greece  | 14033/23-02-2012<br>(ETH06896) | 06.06.2007 |
| Greece  | 14034/23-02-2012<br>(ETH06897) | 06.06.2007 |
| Greece  | 14035/23-02-2012<br>(ETH06898) | 06.06.2007 |
| Greece  | 14036/23-02-2012<br>(ETH06899) | 06.06.2007 |
| Greece  | 14037/23-02-2012               | 01.04.2008 |
| Greece  | 14038/23-02-2012               | 01.04.2008 |
| Greece  | 14039/23-02-2012               | 01.04.2008 |
| Iceland | IS/1/01/012/01                 | 20.09.2001 |
| Iceland | IS/1/01/012/02                 | 20.09.2001 |
| Iceland | IS/1/01/012/03                 | 20.09.2001 |
| Iceland | IS/1/01/012/04                 | 20.09.2001 |
| Iceland | IS/1/01/012/05                 | 20.09.2001 |
| Iceland | IS/1/01/012/06                 | 20.09.2001 |
| Iceland | IS/1/01/012/07                 | 20.09.2001 |
| Iceland | IS/1/01/012/08                 | 20.09.2001 |
| Norway  | 01-0520<br>(ETH04675)          | 30.11.2001 |
| Norway  | 01-0521<br>(ETH04676)          | 30.11.2001 |
| Norway  | 01-0522<br>(ETH05409)          | 30.11.2001 |
| Norway  | 01-0523<br>(ETH04677)          | 30.11.2001 |
| Norway  | 01-0524<br>(ETH05410)          | 30.11.2001 |
| Norway  | 01-0525<br>(ETH04678)          | 30.11.2001 |
| Norway  | 01-0526<br>(ETH05411)          | 30.11.2001 |
| Norway  | 01-0527<br>(ETH04679)          | 30.11.2001 |
| Spain   | 64011<br>(ETH05233)            | 26.06.2001 |
| Spain   | 64012<br>(ETH05234)            | 26.06.2001 |
| Spain   | 64013<br>(ETH05235)            | 26.06.2001 |
| Spain   | 64014<br>(ETH05236)            | 26.06.2001 |
| Spain   | 64015<br>(ETH05415)            | 26.06.2001 |
| Spain   | 64016<br>(ETH05237)            | 26.06.2001 |
| Spain   | 64017<br>(ETH05416)            | 26.06.2001 |

| Country                  | License code                | Issue date |
|--------------------------|-----------------------------|------------|
| Spain                    | 64018<br>(ETH05417)         | 26.06.2001 |
| Spain                    | 70044<br>(ETH07062)         | 28.08.2008 |
| Spain                    | 70042<br>(ETH07070)         | 28.08.2008 |
| Spain                    | 70043<br>(ETH07078)         | 28.08.2008 |
| Sweden                   | 17012                       | 20.07.2001 |
| Sweden                   | 17013                       | 20.07.2001 |
| Sweden                   | 17014                       | 20.07.2001 |
| Sweden                   | 17015                       | 20.07.2001 |
| Sweden                   | 17016                       | 20.07.2001 |
| Sweden                   | 17017                       | 20.07.2001 |
| Sweden                   | 17018                       | 20.07.2001 |
| Sweden                   | 17019                       | 20.07.2001 |
| United States of America | 21-292<br>(ETH08071)        | 31.05.2002 |
| United States of America | 21-292<br>(ETH08078)        | 31.05.2002 |
| United States of America | 21-292<br>(ETH08079)        | 31.05.2002 |
| United States of America | 21-292<br>(ETH08080)        | 31.05.2002 |
| United States of America | 21-292<br>(ETH08081)        | 31.05.2002 |
| United States of America | 21-292<br>(ETH08082)        | 31.05.2002 |
| United States of America | 21-292<br>(ETH08083)        | 31.05.2002 |
| United States of America | 21-292<br>(ETH08084)        | 31.05.2002 |
| United States of America | 21-292<br>(ETH08085)        | 31.05.2002 |
| United States of America | 21-292<br>(ETH08086)        | 31.05.2002 |
| Vereinigte Staaten       | 21-292<br>(ETH08087)        | 31.05.2002 |
| Vereinigte Staaten       | 21-292<br>(ETH08088)        | 31.05.2002 |
| Bulgaria                 | II -<br>14330/09.08.2011    | 22.06.2006 |
| Bulgaria                 | II -<br>14331/09.08.2011    | 22.06.2006 |
| Bulgaria                 | II -<br>14332/09.08.2011    | 22.06.2006 |
| Bulgaria                 | II -<br>14333/09.08.2011    | 22.06.2006 |
| Bulgaria                 | II -<br>14334/09.08.2011    | 22.06.2006 |
| Czech Republic           | 56/035/80-S/C<br>(ETH02080) | 10.06.1980 |
| Czech Republic           | 56/230/98-C<br>(ETH04180)   | 30.09.1998 |
| Czech Republic           | 56/231/98-C<br>(ETH04183)   | 30.09.1998 |
| Czech Republic           | 56/460/11-C<br>(ETH07689)   | 20.07.2011 |
| Czech Republic           | 56/461/11-C<br>(ETH07688)   | 20.07.2011 |
| Czech Republic           | 56/462/11-C<br>(ETH07678)   | 20.07.2011 |
| Czech Republic           | 56/463/11-C<br>(ETH07676)   | 20.07.2011 |
| Czech Republic           | 56/804/92-A/C<br>(ETH03020) | 16.12.1992 |

| Country        | License code                                     | Issue date |
|----------------|--------------------------------------------------|------------|
| Czech Republic | 56/804/92-B/C<br>(ETH03021)                      | 16.12.1992 |
| Hungary        | (M27344/ETH03767)                                | 01.03.1996 |
| Luxemburg      | 0063/86/06/1365                                  | 30.05.1983 |
| Latvia         | 10-0255                                          | 21.05.2010 |
| Latvia         | 96-0325                                          | 12.09.1996 |
| Poland         | 10511                                            | 27.04.2004 |
| Poland         | 10512                                            | 27.04.2004 |
| Poland         | 10513                                            | 27.04.2004 |
| Poland         | 10514                                            | 27.04.2004 |
| Poland         | 10515                                            | 27.04.2004 |
| Poland         | 10516                                            | 27.04.2004 |
| Poland         | 10517                                            | 27.04.2004 |
| Poland         | 10518                                            | 27.04.2004 |
| Poland         | 15702                                            | 10.07.2009 |
| Poland         | 15703                                            | 10.07.2009 |
| Poland         | 15704                                            | 10.07.2009 |
| Poland         | R/1779                                           | 03.06.1992 |
| Poland         | R/1780                                           | 03.06.1992 |
| Poland         | R/6761                                           | 17.07.1996 |
| Poland         | R/6759                                           | 17.07.1996 |
| Poland         | R/1778                                           | 01.06.1992 |
| Poland         | R/6760                                           | 17.07.1996 |
| Poland         | R/6762                                           | 17.07.1996 |
| Poland         | R/6763                                           | 17.07.1996 |
| Romania        | 7542/2015/01-02                                  | 12.08.1992 |
| Romania        | 7543/2015/01-02                                  | 09.08.1996 |
| Romania        | 7544/2015/01-02                                  | 12.08.1992 |
| Romania        | 7545/2015/01-02                                  | 09.08.1996 |
| Romania        | 7546/2015/01-02                                  | 20.09.1994 |
| Slovakia       | 56/0804/92-C/S<br>(ETH03713)                     | 16.12.1992 |
| Slovakia       | 56/0804/92-C/S<br>(ETH03758)                     | 16.12.1992 |
| Slovakia       | 56/0804/92-C/S<br>(ETH03759)                     | 16.12.1992 |
| Slovakia       | 56/0804/92-C/S<br>(ETH04179)                     | 04.06.1996 |
| Slovakia       | 56/0804/92-C/S<br>(ETH04181)                     | 04.06.1996 |
| Slovakia       | 56/0804/92-C/S<br>(ETH04184)                     | 04.06.1996 |
| Slovakia       | 56/0804/92-C/S<br>(ETH04185)                     | 04.06.1996 |
| Slovakia       | 56/0804/92-C/S<br>(ETH04191)                     | 24.10.1995 |
| Slovakia       | 56/0862/10-S<br>(ETH20858)                       | 30.11.2010 |
| Slovakia       | 56/0863/10-S<br>(ETH20859)                       | 30.11.2010 |
| Slovakia       | 56/0864/10-S<br>(ETH20860)                       | 30.11.2010 |
| Albania        | Euthyrox 25<br>MoH Order No. 45 dated 04.02.2016 | 04.02.2016 |
| Albania        | Euthyrox 50<br>MoH Order No. 45 dated 04.02.2016 | 04.02.2016 |



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| Country                   | License code                                             | Issue date |
|---------------------------|----------------------------------------------------------|------------|
| Albania                   | Euthyrox 100<br>MoH Order No.<br>45 dated<br>04.02.2016. | 04.02.2016 |
| Armenia                   | 13900                                                    | 04.02.2005 |
| Armenia                   | 13563                                                    | 22.04.2004 |
| Armenia                   | 13562                                                    | 22.04.2004 |
| Armenia                   | 13564                                                    | 22.04.2004 |
| Armenia                   | 13560                                                    | 22.04.2004 |
| Armenia                   | 13561                                                    | 22.04.2004 |
| Azerbaijan                | DV No.12-0923<br>(ETH06596)                              | 26.12.2012 |
| Azerbaijan                | DV No.12-0923<br>(M01524/ETH0<br>6597)                   | 26.12.2012 |
| Azerbaijan                | DV No.12-0923<br>(M01739/ETH0<br>6595)                   | 26.12.2012 |
| Azerbaijan                | DV No.12-0923<br>(M01833/ETH0<br>6598)                   | 26.12.2012 |
| Azerbaijan                | DV No.12-0923                                            | 26.12.2012 |
| Azerbaijan                | DV No.12-0923<br>(M01947/ETH0<br>6594)                   | 26.12.2012 |
| Belarus                   | 369/94/99/03/08<br>/09/13/16<br>(ETH03837)               | 01.01.1994 |
| Belarus                   | 369/94/99/03/08<br>/09/13/16<br>(M18621/ETH0<br>6117)    | 01.01.1994 |
| Belarus                   | 369/94/99/03/08<br>/09/13<br>(M18622)                    | 01.01.1994 |
| Belarus                   | 369/94/99/03/08<br>/09/13/16<br>(M18623)                 | 01.01.1994 |
| Belarus                   | 369/94/99/03/08<br>/09/13/16<br>(M18624)                 | 01.01.1994 |
| Belarus                   | 369/94/99/03/08<br>/09/13/16                             | 01.01.1994 |
| Georgia                   | R-013653                                                 | 01.06.2004 |
| Georgia                   | R-013655                                                 | 01.06.2004 |
| Georgia                   | R-013652                                                 | 01.06.2004 |
| Georgia                   | R-013654                                                 | 01.06.2004 |
| Georgia                   | R-013650                                                 | 01.06.2004 |
| Georgia                   | R-013651                                                 | 01.06.2004 |
| Honduras                  | (M27374/ETH0<br>5961)                                    | 05.01.1999 |
| Honduras                  | (M27690/ETH0<br>5962)                                    | 10.12.1998 |
| Iran, Islamic<br>Republic | 1.228078064E9<br>(ETH05582)                              | 05.09.2007 |
| Iran, Islamic<br>Republic | 1.228121852E9<br>(ETH07314)                              | 21.09.2008 |
| Iran, Islamic<br>Republic | 7,94165E+15                                              | 30.04.2017 |
| Iran, Islamic<br>Republic | 9,82581E+15                                              | 30.04.2017 |
| Iran, Islamic<br>Republic | 7,49506E+15                                              | 30.04.2017 |
| Jordan                    | 24/97<br>(ETH04116)                                      | 05.02.1997 |
| Jordan                    | 25/97<br>(ETH04117)                                      | 18.02.1997 |
| Jordan                    | 60/2005<br>(ETH05704)                                    | 23.05.2005 |

| Country              | License code                            | Issue date |
|----------------------|-----------------------------------------|------------|
| Jordan               | 61/2005<br>(ETH05703)                   | 23.05.2005 |
| Kyrgyzstan           | KG.3.3.441.033<br>74-2015<br>(ETH06605) | 21.04.2010 |
| Kyrgyzstan           | KG.3.3.441.033<br>74-2015<br>(ETH06606) | 21.04.2010 |
| Kyrgyzstan           | KG.3.3.441.033<br>74-2015<br>(ETH06609) | 21.04.2010 |
| Kyrgyzstan           | KG.3.3.441.033<br>74-2015<br>(ETH06608) | 21.04.2010 |
| Kyrgyzstan           | KG.3.3.441.033<br>74-2015<br>(ETH06609) | 21.04.2010 |
| Kyrgyzstan           | KG.3.3.441.033<br>74-2015<br>(ETH06610) | 21.04.2010 |
| Kazakhstan           | PK-JIC-5-<br>№014667                    | 05.11.2004 |
| Kazakhstan           | PK-JIC-5-<br>№014668                    | 31.05.1994 |
| Kazakhstan           | PK-JIC-5-<br>№014669                    | 01.01.2006 |
| Kazakhstan           | PK-JIC-5-<br>№014670                    | 05.11.2004 |
| Kazakhstan           | PK-JIC-5-<br>№014665                    | 05.11.2004 |
| Kazakhstan           | PK-JIC-5-<br>№014666                    | 05.11.2004 |
| Lebanon              | 973424/01<br>(ETH05245)                 | 17.01.2003 |
| Lebanon              | 973425/01<br>(ETH05246)                 | 17.01.2003 |
| Lebanon              | 973426/01<br>(ETH05248)                 | 17.01.2003 |
| Lebanon              | 973427/01<br>(ETH05247)                 | 17.01.2003 |
| Moldova,<br>Republic | 22561                                   | 17.11.2011 |
| Moldova,<br>Republic | 22562                                   | 17.11.2011 |
| Moldova,<br>Republic | 22560                                   | 17.11.2011 |
| Moldova,<br>Republic | № 17118                                 | 17.11.2011 |
| Moldova,<br>Republic | № 17119                                 | 17.11.2011 |
| Nicaragua            | (M27373/ETH0<br>5959)                   | 23.09.1997 |
| Nicaragua            | (M27689/ETH0<br>5960)                   | 10.04.1997 |
| Oman                 | 4972A<br>(ETH05657)                     | 28.09.2005 |
| Oman                 | 4973A<br>(ETH05663)                     | 28.09.2005 |
| Oman                 | 4974A<br>(ETH05669)                     | 28.09.2005 |
| Oman                 | D05249A<br>(ETH05675)                   | 24.01.2006 |
| Panama               | (M27372/ETH0<br>5957)                   | 04.12.1997 |
| Panama               | (M27688/ETH0<br>5958)                   | 04.12.1997 |

| Country                 | License code                          | Issue date |
|-------------------------|---------------------------------------|------------|
| Serbia                  | (M27333/ETH0<br>2853)                 | 21.10.1981 |
| Russian<br>Federation   | Π N015039/01<br>(ETH02970)            | 24.04.1992 |
| Russian<br>Federation   | Π N015039/01<br>(ETH03948)            | 16.06.2003 |
| Russian<br>Federation   | Π N015039/01<br>(ETH05990)            | 16.06.2003 |
| Russian<br>Federation   | Π N015039/01<br>(ETH05991)            | 16.06.2003 |
| Russian<br>Federation   | Π N015039/01<br>(ETH05992)            | 16.06.2003 |
| Russian<br>Federation   | Π N015039/01<br>(M01929/ETH0<br>5999) | 15.03.2005 |
| Russian<br>Federation   | ЛП-000910<br>(M23093/ETH0<br>7628)    | 18.10.2011 |
| Russian<br>Federation   | ЛП-000910<br>(M23094/ETH0<br>7629)    | 18.10.2011 |
| Russian<br>Federation   | ЛП-000910<br>(M23095/ETH0<br>7630)    | 18.10.2011 |
| Saudi Arabia            | 54-22-06<br>(ETH05672)                | 14.06.2006 |
| Saudi Arabia            | 55-22-06<br>(ETH05666)                | 14.06.2006 |
| Saudi Arabia            | 56-22-06<br>(ETH05660)                | 14.06.2006 |
| Saudi Arabia            | 57-22-06<br>(M01930/ETH0<br>5654)     | 14.06.2006 |
| Syrian Arab<br>Republic | 2894                                  | 20.11.2011 |
| Tajikistan              | № 004613_                             | 29.10.2013 |
| Tajikistan              | № 004613_                             | 29.10.2013 |
| Tajikistan              | № 004613                              | 29.10.2013 |
| Tajikistan              | № 004613                              | 29.10.2013 |
| Turkmenis-<br>tan       | JIC-A №001060                         | 14.04.2004 |
| Ukraine                 | UA/8388/01/01                         | 25.05.2005 |
| Ukraine                 | UA/8388/01/02                         | 24.03.1998 |
| Ukraine                 | UA/8388/01/03                         | 25.05.2005 |
| Ukraine                 | UA/8388/01/04                         | 03.06.1998 |
| Ukraine                 | UA/8388/01/05                         | 25.05.2005 |
| Ukraine                 | UA/8388/01/06                         | 24.03.1998 |
| Vietnam                 | (M27361/ETH0<br>4259)                 | 15.04.1997 |
| Vietnam                 | (M27666/ETH0<br>4260)                 | 15.04.1997 |
| Yemen                   | 18642                                 | 25.10.2016 |
| Yemen                   | 18641                                 | 25.10.2016 |
| Yemen                   | 18639                                 | 25.10.2016 |
| Yemen                   | 18640                                 | 25.10.2016 |
| Usbekistan              | Б-250-95<br>№43603                    | 04.04.1995 |
| Usbekistan              | Б-250-95<br>№29304                    | 06.10.2004 |
| Usbekistan              | Б-250-95<br>№43503                    | 07.11.2003 |
| Usbekistan              | Б-250-95<br>№03907                    | 06.02.2012 |
| Germany                 | (M28014/ETH0<br>2143)                 | 16.12.1974 |

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| Country               | License code                                   | Issue date |
|-----------------------|------------------------------------------------|------------|
| Germany               | (M28156/ETH0 2142)                             | 13.02.1969 |
| Sudan                 | 010758/SAKM                                    | 05.02.2017 |
| Czech Re-<br>public   | 56/1139/93-C<br>(ETH03022)                     | 17.11.1993 |
| Germany               | E.N. 32.224<br>(ETH02105)                      | 04.02.1969 |
| Luxemburg             | (M27704/ETH0 2551)                             | 12.12.1983 |
| Saudi Arabia          | 59-22-12<br>(ETH07164)                         | 08.03.2011 |
| Belarus               | 1117/95/2000/0<br>4/05/10/16                   | 27.12.1995 |
| Kazakhstan            | PK-JIC-<br>5№019767                            | 25.06.1998 |
| Tajikistan            | № 004610                                       | 12.06.2008 |
| Czech Re-<br>public   | 87/835/92-A/C<br>(ETH03023)                    | 23.12.1992 |
| Czech Re-<br>public   | 87/835/92-B/C<br>(ETH03024)                    | 23.12.1992 |
| Poland                | R/0767                                         | 04.05.1993 |
| Poland                | R/0768                                         | 04.05.1993 |
| Romania               | 6577/2006/01-<br>02                            | 17.01.1994 |
| Romania               | 6578/2006/01-<br>02                            | 17.01.1994 |
| Armenia               | 13901                                          | 04.02.2005 |
| Armenia               | 13902                                          | 04.02.2005 |
| Azerbaijan            | DV No.12-0924<br>(M02642/ETH0 6599)            | 10.10.2007 |
| Azerbaijan            | DV No.12-0924<br>(M02664/ETH0 6600)            | 10.10.2007 |
| Kyrgyzstan            | KP-№8898 II-<br>2011-653<br>(M02650/ETH0 6613) | 18.07.2007 |
| Kyrgyzstan            | KP-№8898 II-<br>2011-653<br>(M02672/ETH0 6614) | 18.07.2007 |
| Russian<br>Federation | JIC-001600<br>(M02656/ETH0 3048)               | 19.10.1994 |
| Russian<br>Federation | II N012281/01<br>(M02677/ETH0 2974)            | 19.10.1994 |
| Turkmenis-<br>tan     | JIC-A №001061                                  | 10.03.2004 |
| Turkmenis-<br>tan     | JIC-B №001062                                  | 10.03.2004 |
| Georgia               | R 013657                                       | 27.05.2014 |
| Georgia               | R 013656                                       | 27.05.2014 |
| Czech Re-<br>public   | 56/834/92-C<br>(ETH03025)                      | 23.12.1992 |
| Kyrgyzstan            | P-2009-775<br>(ETH06554)                       | 19.11.2009 |
| Kazakhstan            | RK-LS-5-No.<br>014586<br>(ETH03738)            | 30.06.1994 |
| Bulgaria              | 20050130<br>(ETH06087)                         | 08.03.2005 |
| Bulgaria              | 20050141<br>(ETH06085)                         | 08.03.2005 |
| Bulgaria              | 20050142<br>(ETH06086)                         | 08.03.2005 |
| Czech Re-<br>public   | 58/357/03-C<br>(ETH06088)                      | 19.11.2003 |

| Country                   | License code                          | Issue date |
|---------------------------|---------------------------------------|------------|
| Czech Re-<br>public       | 58/358/03-C<br>(ETH06096)             | 19.11.2003 |
| Czech Re-<br>public       | 58/359/03-C<br>(ETH06104)             | 19.11.2003 |
| Latvia                    | 03-0488                               | 18.12.2003 |
| Latvia                    | 03-0489                               | 18.12.2003 |
| Latvia                    | 03-0490                               | 18.12.2003 |
| Romania                   | 9841/2017/01-<br>02                   | 27.12.2004 |
| Romania                   | 9842/2017/01-<br>02                   | 31.03.2017 |
| Romania                   | 9843/2017/01-<br>02                   | 31.03.2017 |
| Slovakia                  | 58/0290/03-S<br>(ETH05940)            | 03.10.2003 |
| Slovakia                  | 58/0291/03-S<br>(ETH05939)            | 03.10.2003 |
| Slovakia                  | 58/0292/03-S<br>(ETH05938)            | 03.10.2003 |
| Azerbaijan                | DV No.14-<br>01282                    | 30.10.2014 |
| Georgia                   | R-016657                              | 18.08.2015 |
| Georgia                   | R-018110                              | 05.02.2016 |
| Sudan                     | TB/031/21279                          | 26.08.2004 |
| Sudan                     | TB/031/21278                          | 26.08.2004 |
| Sudan                     | TB/031/21277                          | 26.08.2004 |
| Norway                    | 01-7698<br>(ETH05477)                 | 25.02.2002 |
| Norway                    | 01-7699<br>(ETH05478)                 | 25.02.2002 |
| Norway                    | 01-7700<br>(ETH05479)                 | 25.02.2002 |
| Bahrain                   | DRN-8386/14                           | 19.03.2014 |
| Bahrain                   | DRN-8387/14                           | 19.03.2014 |
| Iran, Islamic<br>Republic | 1228174834                            | 14.09.2014 |
| Iran, Islamic<br>Republic | 1228174827                            | 14.09.2014 |
| Jordan                    | Not registered<br>yet                 |            |
| Kuwait                    | Adancor 10mg<br>Tab: 6333<br>/Apr12   | 26.04.2012 |
| Kuwait                    | Adancor 20mg<br>Tab: 6334 /<br>Apr12  | 26.04.2012 |
| Lebanon                   | 1/29016                               | 28.10.2016 |
| Lebanon                   | 1/29116                               | 28.10.2016 |
| Oman                      | D06722A                               | 06.01.2015 |
| Oman                      | D06721A                               | 06.01.2015 |
| Katar                     | 16-4004 (Adan-<br>cor 10mg)           | 11.02.2016 |
| Katar                     | 16-4005 (Adan-<br>cor 20mg)           | 11.02.2016 |
| Poland                    | R/1782                                | 03.03.1993 |
| Poland                    | R/1783                                | 03.03.1993 |
| Romania                   | 4421/2004/01                          | 19.11.1982 |
| Germany                   | 48897                                 | 29.12.1972 |
| El Salvador               | 16529                                 | 05.07.2000 |
| Vietnam                   | VN-3963-07<br>(M28063/ETH1 3575)      | 08.02.2002 |
| Vietnam                   | VN-14743-12<br>(ETH13583)             | 22.06.2006 |
| Vietnam                   | VN-6138-08<br>(ETH13551)              | 09.09.1996 |
| Bulgaria                  | II-<br>3796/18.12.200<br>8 (ETH07426) | 18.12.2008 |

| Country               | License code                          | Issue date |
|-----------------------|---------------------------------------|------------|
| Bulgaria              | II-<br>3797/18.12.200<br>8 (ETH07434) | 18.12.2008 |
| Bulgaria              | II-<br>3798/18.12.200<br>8 (ETH07442) | 18.12.2008 |
| Czech Re-<br>public   | 34/108/99-C<br>(ETH07427)             | 10.12.2008 |
| Czech Re-<br>public   | 34/109/99-C<br>(ETH07435)             | 10.12.2008 |
| Czech Re-<br>public   | 34/836/08-C<br>(ETH07443)             | 10.12.2008 |
| Estonia               | 594608                                | 22.08.2008 |
| Estonia               | 594708                                | 22.08.2008 |
| Estonia               | 594808                                | 22.08.2008 |
| Latvia                | 08-0163                               | 20.06.2008 |
| Latvia                | 08-0164                               | 20.06.2008 |
| Latvia                | 08-0165                               | 20.06.2008 |
| Lithuania             | LT/1/08/1257/0<br>05-008              | 12.08.2008 |
| Lithuania             | LT/1/08/1257/0<br>01-004              | 12.08.2008 |
| Lithuania             | LT/1/08/1257/0<br>09-011              | 12.08.2008 |
| Romania               | 4337/2012/01-<br>04                   | 30.06.2008 |
| Romania               | 4338/2012/01-<br>04                   | 30.06.2008 |
| Romania               | 4339/2012/01-<br>03                   | 30.06.2008 |
| Slovakia              | 34/0413/12-S<br>(ETH21695)            | 31.08.2012 |
| Slovakia              | 34/0414/12-S<br>(ETH21697)            | 31.08.2012 |
| Armenia               | 14466                                 | 08.07.2005 |
| Armenia               | 13750                                 | 30.11.2004 |
| Azerbaijan            | DV No.16-<br>00375<br>(M05638)        | 14.09.2005 |
| Azerbaijan            | DV No.16-<br>00375<br>(M05743)        | 14.09.2005 |
| Belarus               | 3205/98/03/08/0<br>9/14/17            | 29.05.1998 |
| Belarus               | 3205/<br>98/03/08/09/14/<br>17        | 29.05.1998 |
| Georgia               | R-012288<br>(ETH04606)                |            |
| Kyrgyzstan            | KR-№9831<br>(M19111/ETH0 7218)        | 22.05.2008 |
| Kyrgyzstan            | KR-№9831<br>(M19206/ETH0 7219)        | 22.05.2008 |
| Lebanon               | 1/89516                               | 22.03.2017 |
| Lebanon               | 1/89616                               | 22.03.2017 |
| Lebanon               | 1/89716                               | 22.03.2017 |
| Moldova,<br>Republic  | № 19270                               | 28.05.2008 |
| Moldova,<br>Republic  | № 19271                               | 28.05.2008 |
| Russian<br>Federation | II N 014893/01<br>(ETH02973)          | 19.10.1994 |
| Russian<br>Federation | II N 014893/01<br>(ETH05986)          | 21.04.2003 |
| Tajikistan            | № 005748                              | 13.05.2009 |
| Tajikistan            | № 005747                              | 13.05.2009 |
| Ukraine               | UA/8848/01/01                         | 03.06.1998 |
| Ukraine               | UA/8848/01/02                         | 21.08.2008 |

**Annex 48.3.b**  
Product-related approvals

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Country    | License code       | Issue date |
|------------|--------------------|------------|
| Usbekistan | Б-250-95<br>№14403 | 25.04.2003 |

| Country    | License code       | Issue date |
|------------|--------------------|------------|
| Usbekistan | Б-250-95<br>№14403 | 25.04.2003 |

| Country | License code | Issue date |
|---------|--------------|------------|
| Romania | 7343/2006/01 | 12.10.1993 |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

**Manufacturing-/importing approval, GMP certificate**

All the manufacturing and importing approval, as well as GMP Certificates, especially:

**GMP Certificate DE HE 01 GMP 2018 004**

Manufacturing approval No. DR\_HE\_01\_MIA\_2017\_1041

pursuant to Art. 40 of Directive 2001/83/EC and Art. 13 of Directive 2001/20/EC

dated 10.01.2018

of Regional Authority (Regierungspräsidium) Darmstadt, Pharmazie, Luisenplatz 2, 64283 Darmstadt

**Manufacturing-/importing approval Merck KGaA DE HE 01 MIA 2017 1041**

Manufacturing-/importing approval No. DE\_HE\_01\_MIA\_2017\_1041/II 23.2 Bey -18 I 02 (001)-D 12

pursuant to sec. 13 para. 1 and sec. 72 para 1 of the Law on trade in medicinal products (Arzneimittelgesetz – AMG) as amended

dated 28.09.2017

of Regional Authority (Regierungspräsidium) Darmstadt, Pharmazie, Luisenplatz 2, 64283 Darmstadt

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

## B. Product-related approvals of the Operating Unit KGaA Life Science

### I. Active substances and other pharmaceutical materials

| Application code                                                     | Product family code | Country        | Application date |
|----------------------------------------------------------------------|---------------------|----------------|------------------|
| ASMF-89-076                                                          | 154-87-0            | France         | 30.06.2013       |
| ASMF-90-084                                                          | 68684-55-9          | France         | 01.01.2016       |
| ASMF-UR.DOL.OLC.4003.0 209.2013                                      | 68684-55-9          | Poland         | 01.01.2016       |
| ASMF-AA/0041/13                                                      | 68684-55-9          | Spain          | 01.01.2016       |
| ASMF-IS-292                                                          | 68684-55-9          | Iceland        | 01.01.2016       |
| ASMF-715                                                             | 68684-55-9          | Germany        | 01.01.2016       |
| ASMF-01056                                                           | 68684-55-9          | Netherlands    | 01.01.2016       |
| ASMF-551076                                                          | 68684-55-9          | Austria        | 01.01.2016       |
| ASMF-13244MEC0213A/R0 1                                              | 68684-55-9          | Czech Republic | 01.01.2016       |
| ASMF08227                                                            | 67-96-9             | Austria        | 01.01.2016       |
| ASMF-1383                                                            | 67-96-9             | Germany        | 01.01.2016       |
| ASMF-1820                                                            | 114-90-9            | Netherlands    | 01.01.2016       |
| ASMF-09/14650                                                        | 114-90-9            | Norway         | 01.01.2016       |
| ASMF-1086                                                            | 114-90-9            | Germany        | 01.01.2016       |
| ASMF-MFD-04691-2-14698-0001                                          | 114-90-9            | Great Britain  | 01.01.2016       |
| ASMF 486                                                             | 55268-74-1          | Great Britain  | 18.06.2001       |
| EMA/ASMF/01035                                                       | 202825-46-5         | European Union | 01.01.2016       |
| ASMF-AIN/2012/435                                                    | 273724-21-3         | Italy          | 30.09.2015       |
| ASMF-88-101                                                          | 273724-21-3         | France         | 30.09.2015       |
| AT-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Austria        | 30.09.2015       |
| AT-ASMF-Titriplex API-113110                                         | 67-43-6             | Austria        | 01.01.2016       |
| BE-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Belgium        | 01.01.2016       |
| BE-ASMF-Titriplex API-113110                                         | 67-43-6             | Belgium        | 01.01.2016       |
| BG-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Bulgaria       | 30.09.2015       |
| BG-ASMF-Titriplex API-113110                                         | 67-43-6             | Bulgaria       | 01.01.2016       |
| CZ-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Czech Republic | 30.09.2015       |
| CZ-ASMF-Titriplex API-113110                                         | 67-43-6             | Czech Republic | 01.01.2016       |
| DE-ASMF-Bibrocathol API-819110                                       | 6915-57-7           | Germany        | 01.01.2016       |
| DE-ASMF-Titriplex API-113110                                         | 67-43-6             | Germany        | 01.01.2016       |
| DK-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Denmark        | 01.01.2016       |

| Application code                                                     | Product family code | Country       | Application date |
|----------------------------------------------------------------------|---------------------|---------------|------------------|
| DK-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Denmark       | 30.09.2015       |
| DK-ASMF-Titriplex API-113110                                         | 67-43-6             | Denmark       | 01.01.2016       |
| EE-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Estonia       | 01.01.2016       |
| EE-ASMF-Titriplex API-113110                                         | 67-43-6             | Estonia       | 01.01.2016       |
| EE-ASMF-Zinc Chloride API-108815                                     | 7646-85-7           | Estonia       | 01.01.2016       |
| ES-ASMF-Titriplex API-113110                                         | 67-43-6             | Spain         | 01.01.2016       |
| FI-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Finland       | 01.01.2016       |
| FI-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Finland       | 30.09.2015       |
| FI-ASMF-Titriplex API-113110                                         | 67-43-6             | Finland       | 01.01.2016       |
| FI-ASMF-Zinc Chloride API-108815                                     | 7646-85-7           | Finland       | 01.01.2016       |
| FR-ASMF-Praziquantel API-500022                                      | 55268-74-1          | France        | 18.06.2001       |
| FR-ASMF-Titriplex API-113110                                         | 67-43-6             | France        | 01.01.2016       |
| GB-ASMF-Titriplex API-113110                                         | 67-43-6             | Great Britain | 01.01.2016       |
| GR-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Greece        | 01.01.2016       |
| GR-ASMF-Praziquantel API-500022                                      | 55268-74-1          | Greece        | 01.01.2016       |
| GR-ASMF-Titriplex API-113110                                         | 67-43-6             | Greece        | 01.01.2016       |
| HU-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Hungary       | 01.01.2016       |
| HU-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Hungary       | 28.02.2015       |
| HU-ASMF-Titriplex API-113110                                         | 67-43-6             | Hungary       | 01.01.2016       |
| IE-ASMF-Titriplex API-113110                                         | 67-43-6             | Ireland       | 01.01.2016       |
| IT-ASMF-Coccarboxylase Chloride API-500112                           | 154-87-0            | Italy         | 30.06.2013       |
| IT-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Italy         | 01.01.2016       |
| IT-ASMF-Dihydrotachysterol API-500892                                | 67-96-9             | Italy         | 01.01.2016       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application code                                                     | Product family code | Country     | Application date |
|----------------------------------------------------------------------|---------------------|-------------|------------------|
| IT-ASMF-Titriplex API-113110                                         | 67-43-6             | Italy       | 01.01.2016       |
| LT-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Lithuania   | 01.01.2016       |
| LT-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Lithuania   | 30.09.2015       |
| LT-ASMF-Titriplex API-113110                                         | 67-43-6             | Lithuania   | 01.01.2016       |
| LU-ASMF-Titriplex API-113110                                         | 67-43-6             | Luxemburg   | 01.01.2016       |
| LV-ASMF-Coccarboxylase Chloride API-500112                           | 154-87-0            | Latvia      | 31.08.2011       |
| LV-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Latvia      | 01.01.2016       |
| LV-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Latvia      | 30.09.2015       |
| LV-ASMF-Titriplex API-113110                                         | 67-43-6             | Latvia      | 01.01.2016       |
| MT-ASMF-Zinc Chloride API-108815                                     | 7646-85-7           | Malta       | 01.01.2016       |
| NL-ASMF-Titriplex API-113110                                         | 67-43-6             | Netherlands | 01.01.2016       |
| NO-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Norway      | 01.01.2016       |
| NO-ASMF-Titriplex API-113110                                         | 67-43-6             | Norway      | 01.01.2016       |

| Application code                                                     | Product family code | Country  | Application date |
|----------------------------------------------------------------------|---------------------|----------|------------------|
| ASMF-UR.DOL.OLC.4003.0 236.2013                                      | 154-87-0            | Poland   | 31.08.2011       |
| PL-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Poland   | 30.09.2015       |
| PL-ASMF-Titriplex API-113110                                         | 67-43-6             | Poland   | 01.01.2016       |
| PT-ASMF-Coccarboxylase Chloride API-500112                           | 154-87-0            | Portugal | 31.08.2011       |
| RO-ASMF-Titriplex API-113110                                         | 67-43-6             | Romania  | 01.01.2016       |
| SE-ASMF-Bibrocathol API-819110                                       | 6915-57-7           | Sweden   | 01.01.2016       |
| SE-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Sweden   | 01.01.2016       |
| SE-ASMF-Titriplex API-113110                                         | 67-43-6             | Sweden   | 01.01.2016       |
| SI-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Slovenia | 01.01.2016       |
| SI-ASMF-Titriplex API-113110                                         | 67-43-6             | Slovenia | 01.01.2016       |
| SK-ASMF-Coccarboxylase Tetrahydrate API-500111                       | 68684-55-9          | Slovakia | 01.01.2016       |
| SK-ASMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Slovakia | 30.09.2015       |
| SK-ASMF-Titriplex API-113110                                         | 67-43-6             | Slovakia | 01.01.2016       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application code | Country                  | Application date |
|------------------|--------------------------|------------------|
| BBMF 5403        | United States of America | 01.01.2016       |
| BBMF 9631        | United States of America | 01.01.2016       |
| BBMF 7262        | United States of America | 01.01.2016       |

| Application code                                                    | Product family code | Country                  | Application date |
|---------------------------------------------------------------------|---------------------|--------------------------|------------------|
| AU-DMF-Meglumine API-106143                                         | 6284-40-8           | Australia                | 01.01.2016       |
| AU-DMF-Meglumine API-106143                                         | 6284-40-8           | Australia                | 01.01.2016       |
| CH-DMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Switzerland              | 30.09.2015       |
| DMF-Aluminium Chloride Hexahydrate API-102516                       | Aluminium Salze LS  | Japan                    | 01.01.2016       |
| DMF 23098                                                           | 10043-35-3          | United States of America | 30.09.2009       |
| DMF13-0181                                                          | 68684-55-9          | Australia                | 01.01.2016       |
| DMF 3403                                                            | 69-65-8             | United States of America | 01.01.2016       |
| DMF 19893                                                           | 7758-11-4           | United States of America | 01.01.2016       |
| DMF-Di-Potassium Hydrogen Phosphate API-109828                      | 7758-11-4           | Mexico                   | 01.01.2016       |
| DMF 17834                                                           | 7791-18-6           | United States of America | 01.01.2016       |
| DMF-106143 corr.                                                    | 6284-40-8           | India                    | 01.01.2016       |
| DMF-D1504                                                           | 114-90-9            | Switzerland              | 01.01.2016       |
| DMF 23615                                                           | 7681-11-0           | United States of America | 01.01.2016       |
| DMF 95/01099                                                        | 55268-74-1          | Norway                   | 18.06.2001       |
| DMF 4287                                                            | 55268-74-1          | United States of America | 01.01.2016       |
| DMF PR-MF 8553                                                      | 55268-74-1          | Canada                   | 01.01.2016       |
| DMF 90/5945/AUS                                                     | 55268-74-1          | Australia                | 01.01.2016       |
| DMF 2016-136                                                        | 202825-46-5         | Canada                   | 15.07.2016       |
| DMF 28157                                                           | 202825-46-5         | United States of America | 01.01.2016       |
| DMF D 55733                                                         | 202825-46-5         | Switzerland              | 01.01.2016       |
| DMF-Safinamide API-502101                                           | 202825-46-5         | Brazil                   | 01.01.2016       |
| DMF 23802                                                           | 6131-90-4           | United States of America | 01.01.2016       |
| DMF-Sodium Fluoride API-106441                                      | 7681-49-4           | Brazil                   | 01.01.2016       |
| DMF-9280                                                            | 7681-49-4           | United States of America | 01.01.2016       |
| DMF 6411                                                            | 67-43-6             | United States of America | 01.01.2016       |
| DMF 029906                                                          | 6132-04-3           | United States of America | 01.01.2016       |
| DMF 029874                                                          | 57-13-6             | United States of America | 01.01.2016       |
| DMF-Urea API-108433                                                 | 57-13-6             | Vietnam                  | 01.01.2016       |
| EE-DMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Estonia                  | 30.09.2015       |
| EG-DMF-Coccarboxylase Chloride API-500112                           | 154-87-0            | Egypt                    | 31.08.2011       |
| ID-DMF-Calcium Chloride Dihydrate API-102465                        | 10035-04-8          | Indonesia                | 01.01.2016       |
| JP-DMF-Coccarboxylase Chloride API-500112                           | 154-87-0            | Japan                    | 31.08.2009       |
| JP-DMF-Praziquantel API-500022                                      | 55268-74-1          | Japan                    | 01.01.2016       |
| KW-DMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Kuwait                   | 29.02.2012       |
| MA-DMF-Meglumine API-106143                                         | 6284-40-8           | Morocco                  | 01.01.2016       |
| MX-DMF-Calcium Chloride Dihydrate API-102465                        | 10035-04-8          | Mexico                   | 01.01.2016       |
| OM-DMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Oman                     | 29.02.2012       |
| SA-DMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Saudi Arabia             | 29.02.2012       |
| TH-DMF-Calcium Chloride Dihydrate API-102465                        | 10035-04-8          | Thailand                 | 01.01.2016       |
| TR-DMF-Coccarboxylase Chloride API-500112                           | 154-87-0            | Turkey                   | 31.08.2011       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application code                                                    | Product family code | Country                   | Application date |
|---------------------------------------------------------------------|---------------------|---------------------------|------------------|
| DMF 102422                                                          | 471-34-1            | Taiwan, Province of China | 01.01.2016       |
| DMF 102367                                                          | 7791-18-6           | Taiwan, Province of China | 01.01.2016       |
| TW-DMF-Meglumine API-106143                                         | 6284-40-8           | Taiwan, Province of China | 01.01.2016       |
| TW-DMF-Sodium Acetate Trihydrate API- 106235                        | 6131-90-4           | Taiwan, Province of China | 09.10.2015       |
| UA-DMF-Coccarboxylase Chloride API-500112                           | 154-87-0            | Ukraine                   | 31.08.2011       |
| US-DMF-Calcium Chloride Dihydrate API-102465                        | 10035-04-8          | United States of America  | 01.01.2016       |
| YE-DMF-Thiamine Phosphoric Acid Ester Chloride Dihydrate API-500667 | 273724-21-3         | Yemen                     | 29.02.2012       |
| ZA-DMF-Meglumine API-106143                                         | 6284-40-8           | South Africa              | 01.01.2016       |



The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

## II. Certificate of suitability

| Product family code | Country        | Application date |
|---------------------|----------------|------------------|
| Aluminium Salze LS  | European Union | 01.01.2016       |
| 104344-23-2         | European Union | 01.01.2016       |
| 10043-35-3          | European Union | 30.06.2014       |
| 471-34-1            | European Union | 01.01.2016       |
| 10035-04-8          | European Union | 01.01.2016       |
| 7758-11-4           | European Union | 01.01.2016       |
| 7791-18-6           | European Union | 01.01.2016       |
| 6284-40-8           | European Union | 06.09.2007       |
| 7681-11-0           | European Union | 01.01.2016       |
| 55268-74-1          | European Union | 01.01.2016       |
| 6131-90-4           | European Union | 01.01.2016       |
| 7681-49-4           | European Union | 01.01.2016       |
| 57-13-6             | European Union | 01.01.2016       |
| 7646-85-7           | European Union | 01.01.2016       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

### III. Import licenses for pharmaceutical raw materials in China

| Application code | Product code | Application date |
|------------------|--------------|------------------|
| IDL JXFL1200034  | 471-34-1     | 01.01.2016       |
| IDL JXFL1500046  | 67-63-0      | 01.01.2016       |
| IDL JXFL1300524  | 74-79-3      | 01.01.2016       |
| IDL JXFL1300525  | 57-50-1      | 01.01.2016       |
| IDL JXFL1600004  | 100805       | 16.08.2016       |
| IDL JXFL1500050  | 137002       | 01.01.2016       |
| IDL JXFL1500049  | 100241       | 01.01.2016       |
| IDL JXFL1500047  | 100995       | 01.01.2016       |
| IDL JXFL1500046  | 100995       | 01.01.2016       |
| IDL JXFL1500022  | 142002       | 01.01.2016       |
| IDL JXFL1500021  | 108815       | 01.01.2016       |
| IDL JXFL1500017  | 137039       | 01.01.2016       |
| IDL JXFL1500016  | 104871       | 01.01.2016       |
| IDL JXFL1500015  | 106349       | 01.01.2016       |
| IDL JXFL1500009  | 100314       | 01.01.2016       |
| IDL JXFL1500008  | 100314       | 01.01.2016       |
| IDL JXFL1500005  | 141350       | 01.01.2016       |
| IDL JXFL1500004  | 141353       | 01.01.2016       |
| IDL JXFL1500003  | 141355       | 01.01.2016       |
| IDL JXFL1500002  | 100590       | 01.01.2016       |
| IDL JXFL1300524  | 101587       | 01.01.2016       |
| IDL JXFL1300523  | 106482       | 01.01.2016       |
| IDL JXFL1300522  | 817081       | 01.01.2016       |
| IDL JXFL1300521  | 100242       | 01.01.2016       |
| IDL JXFL1300504  | 106143       | 01.01.2016       |
| IDL JXFL1300013  | 112635       | 01.01.2016       |
| IDL JXFL1300012  | 100419       | 01.01.2016       |
| IDL JXFL1300011  | 100494       | 01.01.2016       |
| IDL JXFL1300010  | 105303       | 01.01.2016       |
| IDL JXFL1200034  | 102064       | 01.01.2016       |
| IDL JXFL1200033  | 102304       | 01.01.2016       |
| IDL JXFL1200032  | 105832       | 01.01.2016       |
| IDL JXFL 1200031 | 100320       | 01.01.2016       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

#### IV. Food additives

| Application code | Product family code              | Country                   | Application date |
|------------------|----------------------------------|---------------------------|------------------|
| FAD 500952       | E-Vitamins LS                    | Taiwan, Province of China | 01.01.2016       |
| FAD 100924       | 12125-02-9                       | Taiwan, Province of China | 01.01.2016       |
| FAD 105882       | 10034-99-8                       | Taiwan, Province of China | 01.01.2016       |
| FAD 105882       | 7778-77-0                        | Taiwan, Province of China | 01.01.2016       |
| FAD 142002       | 10035-04-8                       | Taiwan, Province of China | 01.01.2016       |
| FAD 102143       | 7758-87-4                        | Taiwan, Province of China | 01.01.2016       |
| FAD 102787       | 7758-99-8                        | Taiwan, Province of China | 01.01.2016       |
| FAD 105101       | 7758-11-4                        | Taiwan, Province of China | 01.01.2016       |
| FAD 106585       | Di-Sodium Hydrogene Phosphate LS | Taiwan, Province of China | 01.01.2016       |
| FAD 108070       | 69-65-8                          | Taiwan, Province of China | 01.01.2016       |
| FAD 108882       | Zinc Sulfate                     | Taiwan, Province of China | 01.01.2016       |
| FAD 103963       | Iron-(II)-Sulfate LS             | Taiwan, Province of China | 01.01.2016       |
| FAD 105862       | 1309-48-4                        | Taiwan, Province of China | 01.01.2016       |
| FAD 108070       | 14807-96-6                       | Taiwan, Province of China | 01.01.2016       |
| FAD 104935       | 7447-40-7                        | Taiwan, Province of China | 01.01.2016       |
| FAD 105032       | 1310-58-3                        | Taiwan, Province of China | 01.01.2016       |
| FAD 106265       | 6131-90-4                        | Taiwan, Province of China | 01.01.2016       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

**V. Food contact materials**

| Application code               | Product family code                                                  | Country        | Application date |
|--------------------------------|----------------------------------------------------------------------|----------------|------------------|
| EU 10/2011 - Beco              | Filtration devices (Filtrationsgeräte)                               | European Union | 01.01.2016       |
| EU 10/2011 - CLARIGARD         | Filtration devices                                                   | European Union | 01.01.2016       |
| EU 10/2011 - Durapore Vitipore | Filtration devices                                                   | European Union | 01.01.2016       |
| EU 10/2011 - Milligard         | Filtration devices                                                   | European Union | 01.01.2016       |
| EU 10/2011 - Polygard CE       | Filtration devices                                                   | European Union | 01.01.2016       |
| EU 10/2011 - Polygard CN       | Filtration devices                                                   | European Union | 01.01.2016       |
| EU 10/2011 - Polygard CR       | Filtration devices                                                   | European Union | 01.01.2016       |
| EU 10/2011 - Polygard CRL      | Filtration devices                                                   | European Union | 01.01.2016       |
| EU 10/2011 - Polygard CT       | Filtration devices                                                   | European Union | 01.01.2016       |
| PRM 100130                     | Benzoic Acid (Benzoesäure) or Ester compounds (Esterverbindungen) LS | Thailand       | 01.01.2016       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

## VI. Site permits

| Application name                                                       | Application code                                              | Produkt                                                       | Country                  | Application date |
|------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|--------------------------|------------------|
| API Trading Biopharma, Merck KGaA, Germany                             | XX_API Trading Biopharma, Merck KGaA, Germany                 | Merck KGaA, Darmstadt, Germany Merck KGaA, Darmstadt, Germany | Germany                  | 14.12.2015       |
| Excipient Registration, Merck KGaA, Darmstadt                          | XX_Excipient Registration, Merck KGaA, Darmstadt              | Merck KGaA, Darmstadt, Germany Merck KGaA, Darmstadt, Germany | Germany                  | 21.03.2016       |
| Excipient Registration, Merck KGaA, Gernsheim                          | XX_Excipient Registration, Merck KGaA, Gernsheim              | Merck KGaA, Gernsheim, Germany Merck KGaA, Gernsheim, Germany | Germany                  | 21.03.2016       |
| Excipient Trading Biopharma, Merck KGaA, Germany                       | XX_Excipient Trading Biopharma, Merck KGaA, Germany           | Merck KGaA, Darmstadt, Germany Merck KGaA, Darmstadt, Germany | Germany                  | 07.12.2016       |
| FDA Drug Establishment Registration, Merck KGaA, Darmstadt             | XX_FDA Drug Establishment Registration, Merck KGaA, Darmstadt | Merck KGaA, Darmstadt, Germany Merck KGaA, Darmstadt, Germany | United States of America | 01.01.2016       |
| FDA Drug Establishment Registration, Merck KGaA, Gernsheim             | XX_FDA Drug Establishment Registration, Merck KGaA, Gernsheim | Merck KGaA, Gernsheim, Germany Merck KGaA, Gernsheim, Germany | United States of America | 01.01.2016       |
| FDA Food Facility, Merck KGaA, Darmstadt                               | XX_FDA Food Facility, Merck KGaA, Darmstadt                   | Merck KGaA, Darmstadt, Germany Merck KGaA, Darmstadt, Germany | United States of America | 01.01.2016       |
| FDA Food Facility, Merck KGaA, Gernsheim                               | XX_FDA Food Facility, Merck KGaA, Gernsheim                   | Merck KGaA, Gernsheim, Germany Merck KGaA, Gernsheim, Germany | United States of America | 01.01.2016       |
| GDUFA API, Merck KGaA, Darmstadt                                       | XX_GDUFA API, Merck KGaA, Darmstadt                           | Merck KGaA, Darmstadt, Germany Merck KGaA, Darmstadt, Germany | United States of America | 01.01.2016       |
| GDUFA API, Merck KGaA, Gernsheim                                       | XX_GDUFA API, Merck KGaA, Gernsheim                           | Merck KGaA, Gernsheim, Germany Merck KGaA, Gernsheim, Germany | United States of America | 01.01.2016       |
| Manufacturing of API, Merck KGaA, Gernsheim                            | XX_Manufacturing of API, Merck KGaA, Gernsheim                | Merck KGaA, Gernsheim, Germany Merck KGaA, Gernsheim, Germany | Germany                  | 01.01.2016       |
| Manufacturing of API, Merck KGaA, Darmstadt                            | Manufacturing of API, Merck KGaA, Darmstadt                   | Merck KGaA, Darmstadt, Germany Merck KGaA, Darmstadt, Germany | Germany                  | 01.01.2016       |
| US FDA Device Establishment Registration for Merck KGaA, DE, Darmstadt | XX_9610140                                                    | Merck KGaA, Darmstadt, Germany Merck KGaA, Darmstadt, Germany | United States of America | 01.01.2016       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

## VII. Medical products

| Application name            | Application code            | Country        | Application date |
|-----------------------------|-----------------------------|----------------|------------------|
| MD ROW-PM-1564-16           | MD ROW-PM-1564-16           | Argentina      | 01.01.2016       |
| MD IVD-CN 102439            | MD ROW-20160735             | China          | 18.08.2016       |
| MD IVD-CN 106888            | MD-ROW-20170566             | China          | 01.01.2016       |
| MD IVD-CN 109272            | MD-ROW-20170567             | China          | 01.01.2016       |
| MD IVD-CN 101646            | MD ROW-20160766             | China          | 18.08.2016       |
| MD IVD-CN 105174            | MD ROW-20160767             | China          | 18.08.2016       |
| MD IVD-CN 109253            | MD ROW-20170568             | China          | 13.06.2017       |
| MD ROW-AD-0982-07-05        | MD ROW-AD-0982-07-05        | Ecuador        | 01.01.2016       |
| MD ROW-AD-0982-07-05        | MD ROW-AD-0982-07-05        | Ecuador        | 01.01.2016       |
| MD ROW-AD-0457-10-03        | MD ROW-AD-0457-10-03        | Ecuador        | 01.01.2016       |
| MD ROW-AD-0457-10-03        | MD ROW-AD-0457-10-03        | Ecuador        | 01.01.2016       |
| MD CE (SD) EU-Self Declared | MD CE (SD) EU-Self Declared | European Union | 01.01.2016       |
| MD CE (SD) EU-Self Declared | MD CE (SD) EU-Self Declared | European Union | 01.01.2016       |
| MD ROW-RD-10890             | MD ROW-RD-10890             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11135             | MD ROW-RD-11135             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11137             | MD ROW-RD-11137             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11963             | MD ROW-RD-11963             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11158             | MD ROW-RD-11158             | Guatemala      | 01.01.2016       |
| MD ROW-RD-10887             | MD ROW-RD-10887             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11715             | MD ROW-RD-11715             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11734             | MD ROW-RD-11734             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11790             | MD ROW-RD-11790             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11789             | MD ROW-RD-11789             | Guatemala      | 01.01.2016       |
| MD ROW-RD-10916             | MD ROW-RD-10916             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11729             | MD ROW-RD-11729             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11730             | MD ROW-RD-11730             | Guatemala      | 01.01.2016       |
| MD ROW-RD-10888             | MD ROW-RD-10888             | Guatemala      | 01.01.2016       |
| MD ROW-RD-5598              | MD ROW-RD-5598              | Guatemala      | 01.01.2016       |
| MD ROW-RD-10731             | MD ROW-RD-10731             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11139             | MD ROW-RD-11139             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11723             | MD ROW-RD-11723             | Guatemala      | 01.01.2016       |
| MD ROW-RD-10885             | MD ROW-RD-10885             | Guatemala      | 01.01.2016       |
| MD ROW-RD-11138             | MD ROW-RD-11138             | Guatemala      | 01.01.2016       |
| MD ROW-RD-10778             | MD ROW-RD-10778             | Guatemala      | 01.01.2016       |
| MD ROW-RD-10732             | MD ROW-RD-10732             | Guatemala      | 01.01.2016       |
| MD ROW-AKL 10206904988      | MD ROW-AKL 10206904988      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10201110029      | MD ROW-AKL 10201110029      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10201402540      | MD ROW-AKL 10201402540      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302806729      | MD ROW-AKL 10302806729      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302806725      | MD ROW-AKL 10302806725      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302808255      | MD ROW-AKL 10302808255      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302808254      | MD ROW-AKL 10302808254      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10201013977      | MD ROW-AKL 10201013977      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302411009      | MD ROW-AKL 10302411009      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302807758      | MD ROW-AKL 10302807758      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302808224      | MD ROW-AKL 10302808224      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302808259      | MD ROW-AKL 10302808259      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302808260      | MD ROW-AKL 10302808260      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10201013774      | MD ROW-AKL 10201013774      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302808225      | MD ROW-AKL 10302808225      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302808256      | MD ROW-AKL 10302808256      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302807820      | MD ROW-AKL 10302807820      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302807826      | MD ROW-AKL 10302807826      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302806857      | MD ROW-AKL 10302806857      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 20301806728      | MD ROW-AKL 20301806728      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302808261      | MD ROW-AKL 10302808261      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10201013130      | MD ROW-AKL 10201013130      | Indonesia      | 01.01.2016       |
| MD ROW-AKL 10302807823      | MD ROW-AKL 10302807823      | Indonesia      | 01.01.2016       |

**Annex 48.3.b**  
Product-related approvals

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application name                                          | Application code                                          | Country                   | Application date |
|-----------------------------------------------------------|-----------------------------------------------------------|---------------------------|------------------|
| MD ROW-AKL 20301806858                                    | MD ROW-AKL 20301806858                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10201111505                                    | MD ROW-AKL 10201111505                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302806859                                    | MD ROW-AKL 10302806859                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10207904989                                    | MD ROW-AKL 10207904989                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302806861                                    | MD ROW-AKL 10302806861                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302808257                                    | MD ROW-AKL 10302808257                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10203013979                                    | MD ROW-AKL 10203013979                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302110182                                    | MD ROW-AKL 10302110182                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302807761                                    | MD ROW-AKL 10302807761                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10201013771                                    | MD ROW-AKL 10201013771                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302807599                                    | MD ROW-AKL 10302807599                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302807822                                    | MD ROW-AKL 10302807822                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302807821                                    | MD ROW-AKL 10302807821                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302807598                                    | MD ROW-AKL 10302807598                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302807757                                    | MD ROW-AKL 10302807757                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10201013772                                    | MD ROW-AKL 10201013772                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302808262                                    | MD ROW-AKL 10302808262                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 20301808197                                    | MD ROW-AKL 20301808197                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10201013773                                    | MD ROW-AKL 10201013773                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302808258                                    | MD ROW-AKL 10302808258                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302807759                                    | MD ROW-AKL 10302807759                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302806727                                    | MD ROW-AKL 10302806727                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302807824                                    | MD ROW-AKL 10302807824                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302808253                                    | MD ROW-AKL 10302808253                                    | Indonesia                 | 01.01.2016       |
| MD ROW-AKL 10302808226                                    | MD ROW-AKL 10302808226                                    | Indonesia                 | 01.01.2016       |
| MD ROW-003314                                             | MD ROW-003314                                             | Taiwan, Province of China | 16.09.2016       |
| MD ROW-003320                                             | MD ROW-003320                                             | Taiwan, Province of China | 19.09.2016       |
| MD ROW-013424                                             | MD ROW-013424                                             | Taiwan, Province of China | 19.09.2016       |
| MD ROW-003316                                             | MD ROW-003316                                             | Taiwan, Province of China | 16.09.2016       |
| MD ROW-001022                                             | MD ROW-001022                                             | Taiwan, Province of China | 16.09.2016       |
| MD ROW-003319                                             | MD ROW-003319                                             | Taiwan, Province of China | 19.09.2016       |
| MD ROW-013805                                             | MD ROW-013805                                             | Taiwan, Province of China | 19.09.2016       |
| MD ROW-003315                                             | MD ROW-003315                                             | Taiwan, Province of China | 16.09.2016       |
| MD ROW-003321                                             | MD ROW-003321                                             | Taiwan, Province of China | 19.09.2016       |
| MD 510k & GMP EXMPT US-Class I - Exempt from 510k and GMP | MD 510k & GMP EXMPT US-Class I - Exempt from 510k and GMP | United States             | 01.01.2016       |
| MD 510k EXMPT US-Class I - Exempt from 510k               | MD 510k EXMPT US-Class I - Exempt from 510k               | United States             | 01.01.2016       |
| MD 510k & GMP EXMPT US-Class I - Exempt from 510k and GMP | MD 510k & GMP EXMPT US-Class I - Exempt from 510k and GMP | United States             | 01.01.2016       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

#### **VIII. Customs approvals**

| <b>Customs law approvals</b> |
|------------------------------|
| <b>Reference number</b>      |
| DE/3200/AV/0157              |

| <b>Excise duty approvals</b> |
|------------------------------|
| <b>Reference number</b>      |
| DE00000733466                |
| DE00001437976                |
| 3200/000076/109              |
| 3200/000076/110              |
| 3200/000076/1                |

| <b>Basic-materials monitoring approvals</b>                              |
|--------------------------------------------------------------------------|
| <b>Reference number</b>                                                  |
| 300 22 87 vom 31.03.2011 Federal Institute for Drugs and Medical Devices |
| 300 22 87 vom 19.05.2005 Federal Institute for Drugs and Medical Devices |
| 300 22 87 vom 19.05.2005 Federal Institute for Drugs and Medical Devices |



The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

# IX. Maximal amount being approved - Dual use

| Registered number for control | External registered number for control | Country     |
|-------------------------------|----------------------------------------|-------------|
| 100000000000475627            | 40336551EU001                          | Egypt       |
| 100000000000475628            | 40336551EU002                          | Egypt       |
| 100000000000542803            | 40370824EU001                          | Argentina   |
| 100000000000542804            | 40370824EU002                          | Argentina   |
| 100000000000542805            | 40370824EU003                          | Argentina   |
| 100000000000320605            | 40289534EU001                          | Bahrain     |
| 100000000000387029            | 40300163EU001                          | Bahrain     |
| 100000000000482576            | 40343156EU001                          | Bangladesh  |
| 100000000000489378            | 40354637EU001                          | Bangladesh  |
| 100000000000548287            | 40378266EU001                          | Belarus     |
| 100000000000548288            | 40378266EU002                          | Belarus     |
| 100000000000552242            | 40382421EU001                          | Brazil      |
| 100000000000556855            | 40388555EU002                          | Brazil      |
| 100000000000556856            | 40388555EU003                          | Brazil      |
| 100000000000553940            | 40386190EU001                          | Chile       |
| 100000000000553944            | 40386190EU002                          | Chile       |
| 100000000000472813            | 40304741EU001                          | China       |
| 100000000000472814            | 40306622EU001                          | China       |
| 100000000000394433            | 40313355EU001                          | China       |
| 100000000000397516            | 40316944EU001                          | China       |
| 100000000000485801            | 40347768EU001                          | China       |
| 100000000000485802            | 40347768EU002                          | China       |
| 100000000000488261            | 40352576EU001                          | China       |
| 100000000000534308            | 40360124EU001                          | China       |
| 100000000000536786            | 40361004EU001                          | China       |
| 100000000000536787            | 40361004EU002                          | China       |
| 100000000000535609            | 40361027EU001                          | China       |
| 100000000000547594            | 40377935EU001                          | China       |
| 100000000000562519            | 40395891EU001                          | China       |
| 100000000000572025            | 40406994EU001                          | China       |
| 100000000000308389            | 40273524EU001                          | Ecuador     |
| 100000000000308420            | 40273524EU002                          | Ecuador     |
| 100000000000301293            | 40260505EU001                          | Ecuador     |
| 100000000000307998            | 40273522EU001                          | Ecuador     |
| 100000000000398863            | 40306228EU001                          | Ecuador     |
| 100000000000485828            | 40350077EU001                          | Ecuador     |
| 100000000000542801            | 40371550EU001                          | Ecuador     |
| 100000000000554160            | 40385442EU001                          | Ivory Coast |
| 100000000000554161            | 40385442EU002                          | Ivory Coast |
| 100000000000299785            | 40258010EU001                          | Guatemala   |
| 100000000000299784            | 40258773EU001                          | Guatemala   |
| 100000000000393971            | 40304234EU001                          | Guatemala   |
| 100000000000488404            | 40353367EU001                          | Guatemala   |
| 100000000000494712            | 40357727EU001                          | Guatemala   |
| 100000000000536704            | 40362533EU001                          | Guatemala   |
| 100000000000537540            | 40362558EU001                          | Guatemala   |
| 100000000000537541            | 40362558EU002                          | Guatemala   |
| 100000000000547617            | 40376413EU001                          | Guatemala   |
| 100000000000550694            | 40381703EU001                          | Guatemala   |
| 100000000000310670(241149)    | 40222701EU001                          | India       |
| 100000000000386932            | 40304469EU001                          | India       |
| 100000000000406037            | 40322289EU001                          | India       |
| Einzelfreigabe                | 40318587EU001                          | India       |
| 100000000000467744            | 40324372EU001                          | India       |
| 100000000000478209            | 40340389EU001                          | India       |
| 100000000000478220            | 40340389EU002                          | India       |
| 100000000000482152            | 40341360EU001                          | India       |
| 100000000000485479            | 40347299EU001                          | India       |
| 100000000000487471            | 40351742EU001                          | India       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Registered number for control                      | External registered number for control | Country   |
|----------------------------------------------------|----------------------------------------|-----------|
| 100000000000491399                                 | 40355395EU001                          | India     |
| 100000000000533402                                 | 40358253EU001                          | India     |
| 100000000000495080                                 | 40358401EU001                          | India     |
| 100000000000538053                                 | 40365795EU001                          | India     |
| 100000000000540229                                 | 40366437EU001                          | India     |
| 100000000000541472                                 | 40369022EU001                          | India     |
| 100000000000541471                                 | 40369637EU001                          | India     |
| 100000000000548663                                 | 40379325EU001                          | India     |
| 100000000000548664                                 | 40379325EU002                          | India     |
| 100000000000552236                                 | 40382600EU001                          | India     |
| 100000000000552234                                 | 40383513EU001                          | India     |
| 100000000000555186                                 | 40388082EU001                          | India     |
| 100000000000558806                                 | 40391998EU001                          | India     |
| 100000000000565913                                 | 40399322EU001                          | India     |
| 100000000000566275                                 | 40401354EU001                          | India     |
| 100000000000566300                                 | 40401591EU001                          | India     |
| 100000000000570166                                 | 40404427EU001                          | India     |
| 100000000000570472                                 | 40405045EU001                          | India     |
| 100000000000305000                                 | 40264126EU001                          | Indonesia |
| 100000000000305001                                 | 40264126EU002                          | Indonesia |
| 100000000000537742                                 | 40363962EU001                          | Indonesia |
| 100000000000537743                                 | 40363962EU002                          | Indonesia |
| 100000000000300288                                 | 40259197EU001                          | Israel    |
| 100000000000319566                                 | 40288271EU001                          | Israel    |
| 100000000000387433                                 | 40304717EU001                          | Israel    |
| 100000000000387434                                 | 40305166EU001                          | Israel    |
| 100000000000395966                                 | 40314629EU001                          | Israel    |
| 100000000000467581                                 | 40322810EU001                          | Israel    |
| 100000000000495382                                 | 40358681EU001                          | Israel    |
| 100000000000536705                                 | 40361977EU001                          | Israel    |
| 100000000000538872                                 | 40366396EU001                          | Israel    |
| 100000000000541473                                 | 40368729EU001                          | Israel    |
| 100000000000547610                                 | 40376864EU001                          | Israel    |
| 100000000000550592                                 | 40380455EU001                          | Israel    |
| 100000000000550593                                 | 40380455EU002                          | Israel    |
| 100000000000558802                                 | 40391769EU001                          | Israel    |
| 100000000000570167                                 | 40404234EU001                          | Israel    |
| 100000000000239076                                 | 40217923EU001                          | Jordan    |
| 100000000000301321                                 | 40261281EU001                          | Jordan    |
| 100000000000301322                                 | 40261284EU001                          | Jordan    |
| 100000000000301319                                 | 40261280EU001                          | Jordan    |
| 100000000000488091                                 | 40352333EU002                          | Jordan    |
| 100000000000488092                                 | 40352333EU003                          | Jordan    |
| 100000000000495081                                 | 40358247EU001                          | Jordan    |
| 100000000000241381(alt)<br>100000000000545412(neu) | 40223219EU001                          | Colombia  |
| 100000000000301313(alt)<br>100000000000545414(neu) | 40261830EU001                          | Colombia  |
| 100000000000307192(alt)<br>100000000000545415(neu) | 40271281EU001                          | Colombia  |
| 100000000000308488(alt)<br>100000000000545416(neu) | 40274345EU001                          | Colombia  |
| 100000000000387050                                 | 40307610EU001                          | Colombia  |
| 100000000000475620(old)<br>100000000000545421(neu) | 40336776EU001                          | Colombia  |
| 100000000000387050(old)<br>100000000000545422(neu) | 40307610EU001                          | Colombia  |
| 100000000000482817(old)<br>100000000000545423(neu) | 40343799EU001                          | Colombia  |
| 100000000000494673(old)<br>100000000000545424(new) | 40357082EU001                          | Colombia  |
| 100000000000538882(old)                            | 40363626EU001                          | Colombia  |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Registered number for control                      | External registered number for control | Country     |
|----------------------------------------------------|----------------------------------------|-------------|
| 100000000000545523(new)                            |                                        |             |
| 100000000000538884(old)<br>100000000000545522(new) | 40363626EU002                          | Colombia    |
| 100000000000545408                                 | 40371561EU001                          | Colombia    |
| 100000000000545410                                 | 40371569EU001                          | Colombia    |
| 100000000000545409                                 | 40371571EU001                          | Colombia    |
| 100000000000552232                                 | 40383306EU001                          | Colombia    |
| 100000000000562530                                 | 40395741EU001                          | Colombia    |
| 100000000000565145                                 | 40399638EU001                          | Colombia    |
| 100000000000570170                                 | 40404001EU001                          | Colombia    |
| 100000000000299710                                 | 40258233EU001                          | Kuwait      |
| 100000000000307310                                 | 40271565EU001                          | Malaysia    |
| 100000000000308012                                 | 40272797EU001                          | Malaysia    |
| 100000000000320604                                 | 40286759EU001                          | Malaysia    |
| 100000000000322724                                 | 40297087EU001                          | Malaysia    |
| 100000000000387049                                 | 40300145EU001                          | Malaysia    |
| 100000000000387047                                 | 40303195EU001                          | Malaysia    |
| 100000000000387048                                 | 40306647EU001                          | Malaysia    |
| 100000000000401735                                 | 40318891EU001                          | Malaysia    |
| 100000000000405686                                 | 40324447EU001                          | Malaysia    |
| 100000000000468300                                 | 40324972EU001                          | Malaysia    |
| 100000000000474655                                 | 40334953EU001                          | Malaysia    |
| 100000000000483605                                 | 40345706EU001                          | Malaysia    |
| 100000000000485335                                 | 40349115EU001                          | Malaysia    |
| 100000000000495383                                 | 40358868EU001                          | Malaysia    |
| 100000000000535362                                 | 40360973EU001                          | Malaysia    |
| 100000000000536707                                 | 40363146EU001                          | Malaysia    |
| 100000000000539827                                 | 40367689EU001                          | Malaysia    |
| 100000000000542806                                 | 40371547EU001                          | Malaysia    |
| 100000000000552229                                 | 40383284EU001                          | Malaysia    |
| 100000000000552231                                 | 40384210EU001                          | Malaysia    |
| 100000000000552790                                 | 40385213EU001                          | Malaysia    |
| 100000000000568635                                 | 40403526EU001                          | Malaysia    |
| 100000000000570171                                 | 40404006EU001                          | Malaysia    |
| 100000000000570132                                 | 40404009EU001                          | Malaysia    |
| 100000000000570134                                 | 40404009EU002                          | Malaysia    |
| 100000000000307003                                 | 40269675EU001                          | Morocco     |
| 100000000000307997                                 | 40273520EU001                          | Macedonia   |
| 100000000000310218                                 | 40277657EU001                          | Macedonia   |
| 100000000000322201                                 | 40296818EU001                          | Macedonia   |
| 100000000000494976                                 | 40358097EU001                          | Macedonia   |
| 100000000000570137                                 | 40403830EU001                          | Mexico      |
| 100000000000570138                                 | 40403830EU002                          | Mexico      |
| 100000000000570250                                 | 40403800EU001                          | Mexico      |
| 100000000000570249                                 | 40403798EU001                          | Mexico      |
| 100000000000570248                                 | 40403814EU001                          | Mexico      |
| 100000000000570247                                 | 40403815EU001                          | Mexico      |
| 100000000000570246                                 | 40403818EU001                          | Mexico      |
| 100000000000570243                                 | 40403819EU001                          | Mexico      |
| 100000000000570242                                 | 40403825EU001                          | Mexico      |
| 100000000000570241                                 | 40403827EU001                          | Mexico      |
| 100000000000570828                                 | 40406167EU001                          | Mexico      |
| 100000000000473473                                 | 40331330EU001                          | Nigeria     |
| 100000000000473474                                 | 40331330EU002                          | Nigeria     |
| 100000000000469685                                 | 40327939EU001                          | Paraguay    |
| 100000000000547619                                 | 40376951EU001                          | Paraguay    |
| 100000000000547620                                 | 40376954EU001                          | Paraguay    |
| 100000000000327547                                 | 40304015EU001                          | Peru        |
| 100000000000327548                                 | 40304015EU002                          | Peru        |
| 100000000000538877                                 | 40366411EU001                          | Peru        |
| 100000000000239848                                 | 40219416EU001                          | Philippines |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Registered number for control | External registered number for control | Country      |
|-------------------------------|----------------------------------------|--------------|
| 100000000000306171            | 40267624EU001                          | Philippines  |
| 100000000000322204            | 40296924EU001                          | Philippines  |
| 100000000000393719            | 40305630EU001                          | Philippines  |
| 100000000000393760            | 40308002EU001                          | Philippines  |
| 100000000000401716            | 40320425EU001                          | Philippines  |
| 100000000000401717            | 40320425EU002                          | Philippines  |
| 100000000000401718            | 40320425EU003                          | Philippines  |
| 100000000000485336            | 40348180EU001                          | Philippines  |
| 100000000000542536            | 40371243EU001                          | Philippines  |
| 100000000000547613            | 40376164EU001                          | Philippines  |
| 100000000000547615            | 40376164EU002                          | Philippines  |
| 100000000000547621            | 40376957EU001                          | Philippines  |
| 100000000000555298            | 40388086EU001                          | Philippines  |
| 100000000000563245            | 40396838EU001                          | Philippines  |
| 100000000000565917            | 40400152EU001                          | Philippines  |
| 100000000000566278            | 40400749EU001                          | Philippines  |
| Einzelfreigabe                | 40356144EU001                          | Russia       |
| 100000000000304997            | 40263402EU002                          | Saudi Arabia |
| 100000000000304996            | 40263402EU001                          | Saudi Arabia |
| 100000000000494991            | 40357895EU001                          | Saudi Arabia |
| 100000000000566273            | 40400866EU001                          | Saudi Arabia |
| 100000000000304862            | 40266305EU001                          | Serbia       |
| 100000000000304861            | 40266318EU001                          | Serbia       |
| 100000000000304860            | 40266321EU001                          | Serbia       |
| 100000000000387432            | 40307986EU001                          | Serbia       |
| 100000000000484867            | 40308028EU001                          | Serbia       |
| 100000000000536706            | 40363407EU001                          | Serbia       |
| 100000000000547598            | 40376968EU002                          | Serbia       |
| 100000000000547599            | 40376968EU003                          | Serbia       |
| 100000000000239077            | 40218214EU001                          | Singapore    |
| 100000000000301669            | 40262407EU001                          | Singapore    |
| 100000000000305397            | 40266470EU001                          | Singapore    |
| 100000000000307190            | 40269210EU001                          | Singapore    |
| 100000000000308575            | 40274609EU001                          | Singapore    |
| 100000000000310858            | 40278771EU001                          | Singapore    |
| 100000000000320603            | 40286031EU001                          | Singapore    |
| 100000000000394435            | 40310724EU001                          | Singapore    |
| 100000000000394436            | 40310724EU002                          | Singapore    |
| Einzelfreigabe                | 40327679EU001                          | Singapore    |
| 100000000000485337            | 40348680EU001                          | Singapore    |
| 100000000000485469            | 40349805EU001                          | Singapore    |
| 100000000000495761            | 40359232EU001                          | Singapore    |
| 100000000000536789            | 40361060EU001                          | Singapore    |
| 100000000000536790            | 40361060EU002                          | Singapore    |
| 100000000000535613            | 40361065EU001                          | Singapore    |
| 100000000000535612            | 40361102EU001                          | Singapore    |
| 100000000000543319            | 40372201EU001                          | Singapore    |
| 100000000000543318            | 40372198EU001                          | Singapore    |
| 100000000000552240            | 40383631EU001                          | Singapore    |
| 100000000000557251            | 40389211EU001                          | Singapore    |
| 100000000000489785            | 40353592EU001                          | South Africa |
| 100000000000489786            | 40353592EU002                          | South Africa |
| 100000000000491396            | 40356544EU001                          | South Africa |
| 100000000000565274            | 40399733EU001                          | South Africa |
| 100000000000574405            | 40405901EU001                          | South Korea  |
| 100000000000574406            | 40405901EU002                          | South Korea  |
| 100000000000299815            | 40258548EU001                          | Taiwan       |
| 100000000000304839            | 40266329EU001                          | Taiwan       |
| 100000000000401745            | 40318658EU001                          | Taiwan       |
| 100000000000401746            | 40318658EU002                          | Taiwan       |
| 100000000000401747            | 40318658EU003                          | Taiwan       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Registered number for control | External registered number for control | Country   |
|-------------------------------|----------------------------------------|-----------|
| 100000000000559143            | 40389792EU001                          | Taiwan    |
| 100000000000559144            | 40389792EU002                          | Taiwan    |
| 100000000000559145            | 40389792EU003                          | Taiwan    |
| 100000000000568214            | 40402161EU001                          | Taiwan    |
| 100000000000307999            | 40273154EU001                          | Thailand  |
| 100000000000309812            | 40276283EU001                          | Thailand  |
| 100000000000393761            | 40310946EU001                          | Thailand  |
| 100000000000470949            | 40329162EU001                          | Thailand  |
| 100000000000547611            | 40376965EU001                          | Thailand  |
| 100000000000543633            | 40372312EU001                          | Thailand  |
| 100000000000552228            | 40381993EU001                          | Thailand  |
| 100000000000552225            | 40382369EU001                          | Thailand  |
| 100000000000552413            | 40382813EU001                          | Thailand  |
| 100000000000552222            | 40383554EU001                          | Thailand  |
| 100000000000555913            | 40387204EU001                          | Thailand  |
| 100000000000556663            | 40388549EU001                          | Thailand  |
| 100000000000556665            | 40388549EU002                          | Thailand  |
| 100000000000559791            | 40392013EU001                          | Thailand  |
| 100000000000562370            | 40395308EU001                          | Thailand  |
| 100000000000567209            | 40402567EU001                          | Thailand  |
| 100000000000302662            | 40262197EU002                          | Turkey    |
| 100000000000302661            | 40262197EU001                          | Turkey    |
| 100000000000323547            | 40296937EU001                          | Turkey    |
| 100000000000323549            | 40296937EU002                          | Turkey    |
| 100000000000467568            | 40324859EU001                          | Turkey    |
| 100000000000467569            | 40324859EU002                          | Turkey    |
| 100000000000540044            | 40362468EU001                          | Turkey    |
| 100000000000540045            | 40362468EU002                          | Turkey    |
| 100000000000559147            | 40388558EU001                          | Turkey    |
| 100000000000559148            | 40388558EU002                          | Turkey    |
| 100000000000534306            | 40358946EU002                          | Ukraine   |
| 100000000000534307            | 40358946EU001                          | Ukraine   |
| 100000000000245758            | 40233626EU001                          | Uruguay   |
| 100000000000307195            | 40270839EU001                          | Uruguay   |
| 100000000000404264            | 40320421EU001                          | Uruguay   |
| 100000000000404265            | 40320421EU002                          | Uruguay   |
| 100000000000481819            | 40341119EU001                          | Uruguay   |
| 100000000000491398            | 40356742EU001                          | Uruguay   |
| 100000000000495760            | 40359228EU001                          | Uruguay   |
| 100000000000554116            | 40386434EU001                          | Uruguay   |
| 100000000000566288            | 40400852EU001                          | Uruguay   |
| 100000000000317309            | 40285426EU001                          | Venezuela |
| 100000000000317396            | 40286035EU001                          | Venezuela |
| 100000000000533909            | 40359695EU001                          | Vietnam   |
| 100000000000536828            | 40359841EU001                          | Vietnam   |
| 100000000000538879            | 40366128EU001                          | Vietnam   |
| 100000000000541476            | 40367108EU001                          | Vietnam   |
| 100000000000541475            | 40367108EU002                          | Vietnam   |
| 100000000000545503            | 40373610EU001                          | Vietnam   |
| 100000000000548315            | 40379057EU001                          | Vietnam   |
| 100000000000568215            | 40403217EU001                          | Vietnam   |
| 100000000000308582            | 40271637EU002                          | U.A.E     |
| 100000000000308581            | 40271637EU001                          | U.A.E     |
| 100000000000325093            | 40296393EU001                          | U.A.E     |
| 100000000000548927            | 40379076EU001                          | U.A.E     |
| 100000000000567231            | 40402582EU001                          | U.A.E     |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

**X. Collective approval of basic material control**

| Approval number | Country   |
|-----------------|-----------|
| BfArM           | Argentina |
| GV0111/17       | Argentina |
| GV0021/17       | Argentina |
| GV0089/17       | Australia |
| GV0090/17       | Australia |
| GV0091/17       | Australia |
| GV0088/17       | Australia |
| GV0060/17       | Brazil    |
| GV0098/17       | Brazil    |
| GV0059/17       | Brazil    |
| GV0025/17       | Guatemala |
| GV0027/17       | Guatemala |
| GV0028/17       | Guatemala |
| GV0024/17       | Guatemala |
| GV0001/17       | India     |
| GV0086/17       | India     |
| GV0087/17       | India     |
| GV0085/17       | India     |
| GV0068/17       | Colombia  |
| GV0066/17       | Colombia  |
| GV0067/17       | Colombia  |
| GV0071/17       | Colombia  |
| GV0070/17       | Colombia  |
| GV0069/17       | Colombia  |
| GV0053/17       | Korea     |
| GV0092/17       | Korea     |
| GV0118/17       | Korea     |
| GV0011/17       | Malaysia  |
| GV0010/17       | Malaysia  |
| GV0009/17       | Malaysia  |
| GV0008/17       | Malaysia  |
| GV0140/17       | Mexico    |
| GV0139/17       | Mexico    |
| GV0138/17       | Mexico    |
| GV0137/17       | Mexico    |
| GV0103/17       | Peru      |
| GV0104/17       | Peru      |
| GV0101/17       | Peru      |
| GV0102/17       | Peru      |
| GV0100/17       | Peru      |
| GV0099/17       | Peru      |
| GV0035/17       | Russia    |
| GV0038/17       | Russia    |
| GV0039/17       | Russia    |
| GV0040/17       | Russia    |
| GV0036/17       | Russia    |
| GV0037/17       | Russia    |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

**XI.      USDA import approvals**

| USDA import approval number |
|-----------------------------|
| C-126061                    |
| C-114698                    |
| C-126503                    |
| C-7354                      |
| C-113319                    |
| C-122165                    |
| C-2031                      |
| C-128385                    |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

## XII. Taiwan and Thailand country registration

| Application code   | Country  | Date of issue of the license |
|--------------------|----------|------------------------------|
| TH-DMF- API-102465 | Thailand | 31.10.2015                   |
| TH-DMF- API-105040 | Thailand |                              |
| TH-PRM 102310      | Thailand | 27.03.2017                   |
| TH-PRM 100366      | Thailand | 01.01.2016                   |
| TH-PRM 101005      | Thailand | 01.01.2016                   |
| TH-PRM 107478      | Thailand | 01.01.2016                   |
| TH-PRM 100988      | Thailand | 16.05.2017                   |
| TH-PRM 100102      | Thailand | 01.01.2016                   |
| TH-PRM 100013      | Thailand | 17.03.2017                   |
| TH-PRM 101615      | Thailand | 17.04.2017                   |
| TH-PRM 101042      | Thailand | 01.01.2016                   |
| TH-PRM 105422      | Thailand | 17.03.2017                   |
| TH-PRM 101136      | Thailand | 01.01.2016                   |
| TH-PRM 101816      | Thailand | 01.01.2016                   |
| TH-PRM 101216      | Thailand | 01.01.2016                   |
| TH-PRM 817032      | Thailand | 18.05.2017                   |
| TH-PRM 100130      | Thailand | 01.01.2016                   |
| TH-PRM 106752      | Thailand | 01.01.2016                   |
| TH-PRM 100164      | Thailand | 01.01.2016                   |
| TH-PRM 100162      | Thailand | 01.01.2016                   |
| TH-PRM 817023      | Thailand | 01.01.2016                   |
| TH-PRM 817074      | Thailand | 24.03.2017                   |
| TH-PRM 102052      | Thailand | 15.03.2016                   |
| TH-PRM 102148      | Thailand | 24.03.2017                   |
| TH-PRM 102146      | Thailand | 18.05.2017                   |
| TH-PRM 102144      | Thailand | 17.04.2017                   |
| TH-PRM 102110      | Thailand | 20.02.2017                   |
| TH-PRM 102143      | Thailand | 01.01.2016                   |
| TH-PRM 100664      | Thailand | 11.04.2017                   |
| TH-PRM 102160      | Thailand | 15.03.2017                   |
| TH-PRM 100193      | Thailand | 01.01.2016                   |
| TH-PRM 100989      | Thailand | 18.05.2017                   |
| TH-PRM 142020      | Thailand | 17.04.2017                   |
| TH-PRM 108346      | Thailand | 28.03.2017                   |
| TH-PRM 106585      | Thailand | 16.03.2017                   |
| TH-PRM 106573      | Thailand | 17.04.2017                   |
| TH-PRM 106574      | Thailand | 18.05.2017                   |
| TH-PRM 106303      | Thailand | 17.03.2017                   |
| TH-PRM 100383      | Thailand | 19.05.2017                   |
| TH-PRM 100971      | Thailand | 27.03.2017                   |
| TH-PRM 100986      | Thailand | 11.04.2017                   |
| TH-PRM 100887      | Thailand | 19.05.2017                   |
| TH-PRM 100886      | Thailand | 01.01.2016                   |
| TH-PRM 104002      | Thailand | 01.01.2016                   |
| TH-PRM 104090      | Thailand | 01.01.2016                   |
| TH-PRM 104228      | Thailand | 11.04.2017                   |
| TH-PRM 103967      | Thailand | 01.01.2016                   |
| THFDA 500090       | Thailand | 01.01.2016                   |
| TH-PRM 101587      | Thailand | 18.05.2017                   |
| TH-PRM 101544      | Thailand | 17.04.2017                   |
| TH-PRM 100129      | Thailand | 01.01.2016                   |
| TH-PRM 102735      | Thailand | 28.03.2017                   |
| TH-PRM 102836      | Thailand | 01.01.2016                   |
| TH-PRM 101791      | Thailand | 19.12.2016                   |
| TH-PRM 104354      | Thailand | 01.01.2016                   |
| TH-PRM 107430      | Thailand | 01.01.2016                   |
| TH-PRM 108378      | Thailand | 01.01.2016                   |
| TH-PRM 102367      | Thailand | 11.10.2016                   |



The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application code | Country  | Date of issue of the license |
|------------------|----------|------------------------------|
| TH-PRM 137008    | Thailand | 01.01.2016                   |
| TH-PRM 105832    | Thailand | 01.01.2016                   |
| TH-PRM 101872    | Thailand | 01.01.2016                   |
| TH-PRM 102440    | Thailand | 01.01.2016                   |
| TH-PRM 105870    | Thailand | 01.01.2016                   |
| TH-PRM 105862    | Thailand | 18.05.2017                   |
| TH-PRM 105867    | Thailand | 01.01.2016                   |
| TH-PRM 100663    | Thailand | 20.03.2017                   |
| TH-PRM 105882    | Thailand | 01.01.2016                   |
| TH-PRM 105911    | Thailand | 27.03.2017                   |
| TH-PRM 106143    | Thailand | 01.01.2016                   |
| TH-PRM 106070    | Thailand | 18.05.2017                   |
| TH-PRM 104731    | Thailand | 01.01.2016                   |
| TH-PRM 500299    | Thailand | 15.12.2016                   |
| TH-PRM 105377    | Thailand | 01.01.2016                   |
| TH-PRM 108643    | Thailand | 17.04.2017                   |
| TH-PRM 100471    | Thailand | 01.01.2016                   |
| TH-PRM 107230    | Thailand | 01.01.2016                   |
| TH-PRM 137065    | Thailand | 23.05.2017                   |
| TH-PRM 817072    | Thailand | 16.05.2017                   |
| TH-PRM 817076    | Thailand | 17.04.2017                   |
| TH-PRM 104924    | Thailand | 01.01.2016                   |
| TH-PRM 105056    | Thailand | 18.05.2017                   |
| TH-PRM 105032    | Thailand | 11.04.2017                   |
| TH-PRM 105040    | Thailand | 01.01.2016                   |
| TH-PRM 105061    | Thailand | 01.01.2016                   |
| TH-PRM 105119    | Thailand | 18.05.2017                   |
| TH-PRM 105118    | Thailand | 20.04.2017                   |
| TH-PRM 105151    | Thailand | 01.01.2016                   |
| TH-PRM 107427    | Thailand | 19.05.2017                   |
| TH-PRM 817022    | Thailand | 18.05.2017                   |
| TH-PRM 817042    | Thailand | 27.03.2017                   |
| TH-PRM 100631    | Thailand | 01.01.2016                   |
| TH-PRM 100635    | Thailand | 01.01.2016                   |
| TH-PRM 137012    | Thailand | 27.03.2017                   |
| TH-PRM 106265    | Thailand | 01.01.2016                   |
| TH-PRM 106386    | Thailand | 27.03.2017                   |
| TH-PRM 137018    | Thailand | 01.01.2016                   |
| TH-PRM 106345    | Thailand | 20.03.2017                   |
| TH-PRM 106357    | Thailand | 08.05.2017                   |
| TH-PRM 817034    | Thailand | 18.05.2017                   |
| TH-PRM 106441    | Thailand | 01.01.2016                   |
| TH-PRM 817054    | Thailand | 24.03.2017                   |
| TH-PRM 106520    | Thailand | 01.01.2016                   |
| TH-PRM 106544    | Thailand | 17.04.2017                   |
| TH-PRM 106643    | Thailand | 17.04.2017                   |
| TH-PRM 106645    | Thailand | 24.03.2017                   |
| TH-PRM 106652    | Thailand | 27.03.2017                   |
| TH-PRM 100681    | Thailand | 19.05.2017                   |
| TH-PRM 107983    | Thailand | 01.01.2016                   |
| TH-PRM 100773    | Thailand | 01.01.2016                   |
| TH-PRM 500667    | Thailand | 01.01.2016                   |
| TH-PRM 817043    | Thailand | 11.04.2017                   |
| TH-PRM 108167    | Thailand | 01.01.2016                   |
| TH-PRM 100805    | Thailand | 27.03.2017                   |
| TH-PRM 108307    | Thailand | 01.01.2016                   |
| TH-PRM 108386    | Thailand | 01.01.2016                   |
| TH-PRM 108219    | Thailand | 28.03.2017                   |
| TH-PRM 111037    | Thailand | 17.04.2016                   |
| TH-PRM 106577    | Thailand | 11.04.2017                   |

**Annex 48.3.b**  
Product-related approvals

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application code                                  | Country                   | Date of issue of the license |
|---------------------------------------------------|---------------------------|------------------------------|
| TH-PRM 108881                                     | Thailand                  | 01.01.2016                   |
| TH-PRM 108882                                     | Thailand                  | 30.01.2017                   |
| DMF 102422                                        | Taiwan, Province of China | 11.01.2016                   |
| TW-DMF-Di-Potassium Hydrogen Phosphate API-109828 | Taiwan, Province of China |                              |
| DMF 102367                                        | Taiwan, Province of China |                              |
| DMF(47)1576                                       | Taiwan, Province of China | 25.06.2004                   |
| TW-DMF-Potassium Iodide API-105040                | Taiwan, Province of China |                              |
| TW-DMF-Sodium Acetate Trihydrate API-106235       | Taiwan, Province of China | 08.09.2015                   |
| TW-DMF-Sodium Fluoride API-106441                 | Taiwan, Province of China |                              |
| DMF(47)1511                                       | Taiwan, Province of China | 20.03.2017                   |
| TW-DMF-Zinc chloride API-108815                   | Taiwan, Province of China |                              |
| TW-FAD 500952                                     | Taiwan, Province of China | 01.04.1990                   |
| TW-FAD 100924                                     | Taiwan, Province of China | 07.09.2011                   |
| TW-FAD 142002                                     | Taiwan, Province of China | 01.04.1990                   |
| TW-FAD 102143                                     | Taiwan, Province of China | 01.04.1990                   |
| TW-FAD 102787                                     | Taiwan, Province of China | 07.09.2011                   |
| TW-FAD 105101                                     | Taiwan, Province of China | 01.04.1990                   |
| TW-FAD 106585                                     | Taiwan, Province of China | 16.06.1992                   |
| TW-FAD 103963                                     | Taiwan, Province of China | 19.02.2009                   |
| TW-FAD 105862                                     | Taiwan, Province of China | 01.01.1992                   |
| TW-FAD 105882                                     | Taiwan, Province of China | 30.07.2014                   |
| TW-FAD 108070                                     | Taiwan, Province of China | 09.12.2013                   |
| TW-FAD 108070 deleted                             | Taiwan, Province of China | 09.12.2013                   |
| TW-FAD 104935                                     | Taiwan, Province of China | 01.04.1990                   |
| TW-FAD 104871                                     | Taiwan, Province of China | 19.12.2002                   |
| TW-FAD 105032                                     | Taiwan, Province of China | 01.09.1992                   |
| TW-FAD 105040                                     | Taiwan, Province of China | 01.04.1990                   |
| TW-FAD 105040 deleted                             | Taiwan, Province of China |                              |
| TW-FAD 106265                                     | Taiwan, Province of China | 01.04.1990                   |
| TW-FAD 011838                                     | Taiwan, Province of China | 12.09.2016                   |
| TW-FAD 106482                                     | Taiwan, Province of China | 01.04.1990                   |
| TW-FAD 108882                                     | Taiwan, Province of China | 10.07.2007                   |
| TW-PRM 105040                                     | Taiwan, Province of China |                              |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

### XIII. Russia and intercontinental country registrations

| Application code      | Country            | Date of issue of the license |
|-----------------------|--------------------|------------------------------|
| DMF - 500112          | Belarus            |                              |
| EAC 142002 deleted    | Russian Federation | 30.04.2015                   |
| EAC 172580 deleted    | Russian Federation | 30.04.2015                   |
| EAC 500115 deleted    | Russian Federation | 28.04.2016                   |
| EAC 100241 deleted    | Russian Federation | 30.04.2015                   |
| EAC 100247 deleted    | Russian Federation | 30.04.2015                   |
| EAC 137002 deleted    | Russian Federation | 30.04.2015                   |
| EAC 100419 deleted    | Russian Federation | 28.04.2016                   |
| EAC 100494 deleted    | Russian Federation | 28.04.2016                   |
| EAC 112635 deleted    | Russian Federation | 01.02.2017                   |
| EAC 137028 deleted    | Russian Federation | 24.02.2015                   |
| EAC 102440 deleted    | Russian Federation | 28.04.2016                   |
| EAC 105828 deleted    | Russian Federation | 30.04.2015                   |
| EAC 105829 deleted    | Russian Federation | 30.04.2015                   |
| EAC 172572 deleted    | Russian Federation | 30.04.2015                   |
| EAC 817001 deleted    | Russian Federation | 28.04.2016                   |
| EAC 817002 deleted    | Russian Federation | 28.04.2016                   |
| EAC 817003 deleted    | Russian Federation | 28.04.2016                   |
| EAC 817004 deleted    | Russian Federation | 28.04.2016                   |
| EAC 817005 deleted    | Russian Federation | 28.04.2016                   |
| EAC 817006 deleted    | Russian Federation | 28.04.2016                   |
| EAC 817007 deleted    | Russian Federation | 28.04.2016                   |
| EAC 817008 deleted    | Russian Federation | 30.04.2015                   |
| EAC- 817009 deleted   | Russian Federation | 28.04.2016                   |
| EAC 817018 deleted    | Russian Federation | 28.04.2016                   |
| EAC 817019 deleted    | Russian Federation | 28.04.2016                   |
| EAC 817020 deleted    | Russian Federation | 30.04.2015                   |
| EAC 817063 deleted    | Russian Federation | 28.04.2016                   |
| EAC 172573 deleted    | Russian Federation | 28.11.2016                   |
| EAC 104852 deleted    | Russian Federation | 28.04.2016                   |
| EAC 105040 deleted    | Russian Federation | 03.09.2015                   |
| EAC 106323 deleted    | Russian Federation | 28.04.2016                   |
| EAC 172577 deleted    | Russian Federation | 28.11.2016                   |
| EAC 103140 deleted    | Russian Federation | 24.02.2015                   |
| EAC 103557 deleted    | Russian Federation | 24.02.2015                   |
| EAC 103583 deleted    | Russian Federation |                              |
| EAC 108815 deleted    | Russian Federation | 03.09.2015                   |
| EAC 108881 deleted    | Russian Federation | 01.02.2017                   |
| RU-DMF 102367 deleted | Russian Federation |                              |
| RU-DMF 106143 deleted | Russian Federation |                              |
| RU-DMF 106235 deleted | Russian Federation |                              |
| EAC-100056            | Belarus            |                              |
| EAC-100056            | Kazakhstan         |                              |
| EAC-100056            | Armenia            |                              |
| EAC-100056            | Russian Federation | 13.12.2016                   |
| EAC-100056            | Kyrgyzstan         |                              |
| EAC 142002            | Kyrgyzstan         |                              |
| EAC 142002            | Russian Federation | 30.04.2015                   |
| EAC 142002            | Belarus            |                              |
| EAC 142002            | Armenia            |                              |
| EAC 142002            | Kazakhstan         |                              |
| EAC 172580            | Belarus            |                              |
| EAC 172580            | Kazakhstan         |                              |
| EAC 172580            | Kyrgyzstan         |                              |
| EAC 172580            | Armenia            |                              |
| EAC 172580            | Russian Federation | 28.11.2016                   |
| EAC 500115            | Armenia            |                              |
| EAC 500115            | Belarus            |                              |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application code   | Country            | Date of issue of the license |
|--------------------|--------------------|------------------------------|
| EAC 500115         | Kazakhstan         |                              |
| EAC 500115         | Russian Federation | 28.04.2016                   |
| EAC 500115         | Kyrgyzstan         |                              |
| EAC 100241         | Armenia            |                              |
| EAC 100241         | Belarus            |                              |
| EAC 100241         | Kazakhstan         |                              |
| EAC 100241         | Russian Federation | 30.04.2015                   |
| EAC 100241         | Kyrgyzstan         |                              |
| EAC 100247         | Belarus            |                              |
| EAC 100247         | Kazakhstan         |                              |
| EAC 100247         | Armenia            |                              |
| EAC 100247         | Russian Federation | 30.04.2015                   |
| EAC 100247         | Kyrgyzstan         |                              |
| EAC 137002         | Russian Federation | 30.04.2015                   |
| EAC 137002         | Armenia            |                              |
| EAC 137002         | Kazakhstan         |                              |
| EAC 137002         | Belarus            |                              |
| EAC 137002         | Kyrgyzstan         |                              |
| EAC 100419         | Kazakhstan         |                              |
| EAC 100419         | Belarus            |                              |
| EAC 100419         | Russian Federation | 28.04.2016                   |
| EAC 100419         | Armenia            |                              |
| EAC 100419         | Kyrgyzstan         |                              |
| EAC 100494         | Belarus            |                              |
| EAC 100494         | Kyrgyzstan         |                              |
| EAC 100494         | Russian Federation | 28.04.2016                   |
| EAC 100494         | Armenia            |                              |
| EAC 100494         | Kazakhstan         |                              |
| EAC 112635         | Kazakhstan         |                              |
| EAC 112635         | Kyrgyzstan         |                              |
| EAC 112635         | Armenia            |                              |
| EAC 112635         | Russian Federation | 01.02.2017                   |
| EAC 112635         | Belarus            |                              |
| EAC 137028         | Kazakhstan         |                              |
| EAC 137028         | Russian Federation | 24.02.2015                   |
| EAC 137028         | Armenia            |                              |
| EAC 137028         | Belarus            |                              |
| EAC 137028         | Kyrgyzstan         |                              |
| EAC 102367 deleted | Kazakhstan         |                              |
| EAC 102367 deleted | Belarus            |                              |
| EAC 102367 deleted | Kyrgyzstan         |                              |
| EAC 102367 deleted | Russian Federation |                              |
| EAC 102367 deleted | Armenia            |                              |
| EAC 102440         | Russian Federation | 28.04.2016                   |
| EAC 102440         | Belarus            |                              |
| EAC 102440         | Kazakhstan         |                              |
| EAC 102440         | Armenia            |                              |
| EAC 102440         | Kyrgyzstan         |                              |
| EAC 105828         | Kyrgyzstan         |                              |
| EAC 105828         | Russian Federation | 30.04.2015                   |
| EAC 105828         | Kazakhstan         |                              |
| EAC 105828         | Belarus            |                              |
| EAC 105828         | Armenia            |                              |
| EAC 105829         | Kazakhstan         |                              |
| EAC 105829         | Russian Federation | 30.04.2015                   |
| EAC 105829         | Belarus            |                              |
| EAC 105829         | Armenia            |                              |
| EAC 105829         | Kyrgyzstan         |                              |
| EAC 172572         | Kazakhstan         |                              |
| EAC 172572         | Kyrgyzstan         |                              |

**Annex 48.3.b**  
Product-related approvals

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application code | Country            | Date of issue of the license |
|------------------|--------------------|------------------------------|
| EAC 172572       | Armenia            |                              |
| EAC 172572       | Russian Federation | 30.04.2015                   |
| EAC 172572       | Belarus            |                              |
| EAC 106143       | Armenia            |                              |
| EAC 106143       | Belarus            |                              |
| EAC 106143       | Kyrgyzstan         |                              |
| EAC 106143       | Russian Federation |                              |
| EAC 106143       | Kazakhstan         |                              |
| EAC 817001       | Kyrgyzstan         |                              |
| EAC 817001       | Armenia            |                              |
| EAC 817001       | Russian Federation | 28.04.2016                   |
| EAC 817001       | Kazakhstan         |                              |
| EAC 817001       | Belarus            |                              |
| EAC 817002       | Armenia            |                              |
| EAC 817002       | Kazakhstan         |                              |
| EAC 817002       | Belarus            |                              |
| EAC 817002       | Russian Federation | 28.04.2016                   |
| EAC 817002       | Kyrgyzstan         |                              |
| EAC 817003       | Armenia            |                              |
| EAC 817003       | Belarus            |                              |
| EAC 817003       | Kyrgyzstan         |                              |
| EAC 817003       | Russian Federation | 28.04.2016                   |
| EAC 817003       | Kazakhstan         |                              |
| EAC 817004       | Kazakhstan         |                              |
| EAC 817004       | Armenia            |                              |
| EAC 817004       | Belarus            |                              |
| EAC 817004       | Kyrgyzstan         |                              |
| EAC 817004       | Russian Federation | 28.04.2016                   |
| EAC 817005       | Armenia            |                              |
| EAC 817005       | Kyrgyzstan         |                              |
| EAC 817005       | Belarus            |                              |
| EAC 817005       | Russian Federation | 28.04.2016                   |
| EAC 817005       | Kazakhstan         |                              |
| EAC 817006       | Russian Federation | 28.04.2016                   |
| EAC 817006       | Kazakhstan         |                              |
| EAC 817006       | Armenia            |                              |
| EAC 817006       | Belarus            |                              |
| EAC 817006       | Kyrgyzstan         |                              |
| EAC 817007       | Kyrgyzstan         |                              |
| EAC 817007       | Russian Federation | 28.04.2016                   |
| EAC 817007       | Belarus            |                              |
| EAC 817007       | Kazakhstan         |                              |
| EAC 817007       | Armenia            |                              |
| EAC 817008       | Russian Federation | 30.04.2015                   |
| EAC 817008       | Belarus            |                              |
| EAC 817008       | Kazakhstan         |                              |
| EAC 817008       | Armenia            |                              |
| EAC 817008       | Kyrgyzstan         |                              |
| EAC 817009       | Armenia            |                              |
| EAC 817009       | Kazakhstan         |                              |
| EAC 817009       | Belarus            |                              |
| EAC 817009       | Kyrgyzstan         |                              |
| EAC 817009       | Russian Federation | 28.04.2016                   |
| EAC 817018       | Armenia            |                              |
| EAC 817018       | Belarus            |                              |
| EAC 817018       | Kyrgyzstan         |                              |
| EAC 817018       | Russian Federation | 28.04.2016                   |
| EAC 817018       | Kazakhstan         |                              |
| EAC 817019       | Kyrgyzstan         |                              |
| EAC 817019       | Kazakhstan         |                              |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application code   | Country            | Date of issue of the license |
|--------------------|--------------------|------------------------------|
| EAC 817019         | Armenia            |                              |
| EAC 817019         | Russian Federation | 28.04.2016                   |
| EAC 817019         | Belarus            |                              |
| EAC 817020         | Russian Federation | 30.04.2015                   |
| EAC 817020         | Belarus            |                              |
| EAC 817020         | Armenia            |                              |
| EAC 817020         | Kazakhstan         |                              |
| EAC 817020         | Kyrgyzstan         |                              |
| EAC 817063         | Russian Federation | 28.04.2016                   |
| EAC 817063         | Kyrgyzstan         |                              |
| EAC 817063         | Armenia            |                              |
| EAC 817063         | Belarus            |                              |
| EAC 817063         | Kazakhstan         |                              |
| EAC 172573         | Kyrgyzstan         |                              |
| EAC 172573         | Belarus            |                              |
| EAC 172573         | Russian Federation | 28.11.2016                   |
| EAC 172573         | Armenia            |                              |
| EAC 172573         | Kazakhstan         |                              |
| EAC 104852         | Armenia            |                              |
| EAC 104852         | Russian Federation | 28.04.2016                   |
| EAC 104852         | Kazakhstan         |                              |
| EAC 104852         | Kyrgyzstan         |                              |
| EAC 104852         | Belarus            |                              |
| EAC 105040         | Armenia            |                              |
| EAC 105040         | Russian Federation | 03.09.2015                   |
| EAC 105040         | Kazakhstan         |                              |
| EAC 105040         | Kyrgyzstan         |                              |
| EAC 105040         | Belarus            |                              |
| EAC 106235 deleted | Russian Federation |                              |
| EAC 106235 deleted | Kazakhstan         |                              |
| EAC 106235 deleted | Kyrgyzstan         |                              |
| EAC 106235 deleted | Belarus            |                              |
| EAC 106235 deleted | Armenia            |                              |
| EAC 106323         | Belarus            |                              |
| EAC 106323         | Armenia            |                              |
| EAC 106323         | Russian Federation | 28.04.2016                   |
| EAC 106323         | Kazakhstan         |                              |
| EAC 106323         | Kyrgyzstan         |                              |
| EAC 172577         | Russian Federation | 28.11.2016                   |
| EAC 172577         | Kyrgyzstan         |                              |
| EAC 172577         | Kazakhstan         |                              |
| EAC 172577         | Armenia            |                              |
| EAC 172577         | Belarus            |                              |
| EAC 103140         | Kyrgyzstan         |                              |
| EAC 103140         | Kazakhstan         |                              |
| EAC 103140         | Armenia            |                              |
| EAC 103140         | Belarus            |                              |
| EAC 103140         | Russian Federation | 24.02.2015                   |
| EAC 103557         | Russian Federation | 24.02.2015                   |
| EAC 103557         | Armenia            |                              |
| EAC 103557         | Kazakhstan         |                              |
| EAC 103557         | Belarus            |                              |
| EAC 103557         | Kyrgyzstan         |                              |
| EAC 103583         | Russian Federation | 24.02.2015                   |
| EAC 103583         | Armenia            |                              |
| EAC 103583         | Kyrgyzstan         |                              |
| EAC 103583         | Belarus            |                              |
| EAC 103583         | Kazakhstan         |                              |
| EAC 108815         | Kazakhstan         |                              |
| EAC 108815         | Russian Federation | 03.09.2015                   |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Application code | Country            | Date of issue of the license |
|------------------|--------------------|------------------------------|
| EAC 108815       | Armenia            |                              |
| EAC 108815       | Kyrgyzstan         |                              |
| EAC 108815       | Belarus            |                              |
| EAC 108881       | Russian Federation | 01.02.2017                   |
| EAC 108881       | Belarus            |                              |
| EAC 108881       | Kyrgyzstan         |                              |
| EAC 108881       | Kazakhstan         |                              |
| EAC 108881       | Armenia            |                              |
| FAD 102465       | Russian Federation |                              |
| FAD 102367       | Russian Federation |                              |
| FAD 106235       | Russian Federation |                              |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

#### **XIV. Food registrations Argentina**

| <b>Food registrations Argentina</b> |                                     |
|-------------------------------------|-------------------------------------|
| <b>Application code</b>             | <b>Date of issue of the license</b> |
| AR-FAD 830050                       | 25.06.2015                          |
| AR-FAD 560052                       | 22.06.2015                          |
| AR-FAD 560009                       | 03.07.2015                          |
| AR-FAD 560009                       | 26.06.2015                          |
| AR-FAD 560030                       | 03.07.2015                          |
| AR-FAD 560055                       | 25.06.2015                          |
| AR-FAD 560008                       | 26.06.2015                          |
| AR-FAD 560023                       | 26.06.2015                          |
| AR-FAD 560031                       | 25.06.2015                          |
| AR-FAD 520054                       | 25.06.2015                          |
| AR-FAD 620049                       | 26.06.2015                          |
| AR-FAD 640045                       | 23.06.2015                          |
| FAD 560011                          | 24.06.2015                          |
| AR-FAD 560014                       | 24.06.2015                          |
| AR-FAD 560032                       | 26.06.2015                          |
| AR-FAD 560018                       | 23.06.2015                          |
| AR-FAD 560021                       | 23.06.2015                          |
| AR-FAD 560038                       | 02.07.2015                          |
| AR-FAD 560022                       | 26.06.2015                          |
| AR-FAD 560035                       | 25.06.2015                          |
| AR-FAD 560026                       | 24.06.2015                          |
| AR-FAD 560057                       | 25.06.2015                          |
| AR-FAD 560056                       | 25.06.2015                          |
| AR-FAD 560019                       | 23.06.2015                          |
| AR-FAD 560027                       | 26.06.2015                          |
| AR-FAD 560053                       | 25.06.2015                          |
| AR-FAD 560034                       | 25.06.2015                          |
| AR-FAD 560040                       | 25.06.2015                          |
| AR-FAD 560059                       | 19.08.2015                          |
| AR-FAD 560015                       | 24.06.2015                          |
| AR-FAD 560010                       | 26.06.2015                          |



The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

**XV. Site Master File**

Q026 Site Master File – Merck KGaA – Life Science Darmstadt (Mango Doc ID 20246949)

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

**XVI. EXCiPACT Certification**

ANSI Exipact Certificate 20160625

Procurement, fabrication, examination, packing, storage and approval for products of “EMPROVE® exp”, “EMPROVE® bio”, “EMPROVE® ESSENTIAL” and “EMPROVE® EXPERT” lines like organic and inorganic salts, organic and inorganic acids and bases, solvents and aqueous solutions NSF/IPEC/ANSI-363-2014

Registration number: E-ME-18514-2016-01

Report number: BLUE-IRN-2016-04-26-02-EXC\_Merck

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

## XVII. EU REACH Registration

| Internal ID for substance | Registration number   | Date of the registration |
|---------------------------|-----------------------|--------------------------|
| 300000000008              | 01-2119471307-38-0006 | 01.12.2010               |
| 300000000029              | 01-2119447106-44-0103 | 10.02.2012               |
| 300000000107              | 01-2119494721-33-0005 | 25.11.2010               |
| 300000000339              | 01-2119454792-32-0004 | 22.11.2012               |
| 300000000637              | 01-2119498057-28-0004 | 09.12.2014               |
| 300000006234              | 01-2119489371-33-0007 | 23.01.2015               |
| 300000006350              | 01-2119496064-35-0007 | 05.03.2012               |
| 300000006401              | 01-2119977063-35-0002 | 24.06.2015               |
| 300000006818              | 01-2119518844-34-0000 | 08.11.2010               |
| 300000006900              | 01-2119543697-26-0001 | 20.01.2015               |
| 300000006910              | 01-2119560574-35-0002 | 01.12.2015               |
| 300000007070              | 01-2119490790-32-0003 | 29.10.2010               |
| 300000007079              | 01-2119540521-50-0002 | 05.02.2016               |
| 300000010023              | 01-2119457610-43-0501 | 28.08.2017               |
| 300000010026              | 01-2119962907-22-0004 | 11.11.2014               |
| 300000010069              | 01-2119531538-36-0078 | 13.02.2015               |
| 300000010191              | 01-2119920996-25-0002 | 28.11.2014               |
| 300000010266              | 01-2119978293-27-0005 | 01.09.2015               |
| 300000010271              | 01-2119457580-38-0004 | 23.01.2015               |
| 300000010301              | 01-2119471330-49-0043 | 27.11.2014               |
| 300000010383              | 01-2119486761-29-0009 | 28.08.2017               |
| 300000010392              | 01-2119498295-24-0000 | 29.10.2010               |
| 300000010394              | 01-2119991992-18-0001 | 25.09.2014               |
| 300000010432              | 01-2119491164-38-0038 | 25.09.2014               |
| 300000010444              | 01-0000017610-78-0000 | 21.01.2013               |
| 300000010480              | 01-2119492475-28-0000 | 14.10.2010               |
| 300000010602              | 01-2119486655-24-0001 | 05.10.2010               |
| 300000010660              | 01-2119489495-21-0008 | 10.07.2017               |
| 300000010725              | 01-2119555273-40-0002 | 25.09.2014               |
| 300000010841              | 01-2120054645-54-0002 | 27.01.2015               |
| 300000010915              | 01-2119488518-22-0013 | 25.03.2015               |
| 300000011053              | 01-2119979577-14-0003 | 10.08.2015               |
| 300000020101              | 01-2119960162-44-0002 | 02.03.2015               |
| 300000020305              | 01-2119517446-39-0002 | 19.11.2015               |
| 300000020308              | 01-2119517426-41-0001 | 19.11.2015               |
| 300000020323              | 01-2119502447-44-0032 | 04.08.2015               |
| 300000020449              | 01-2119498060-41-0029 | 29.05.2015               |
| 300000020558              | 01-2119543478-30-0001 | 25.11.2010               |
| 300000020675              | 01-2119435525-40-0006 | 21.11.2010               |
| 300000020798              | 01-2119532202-56-0001 | 19.11.2010               |
| 300000020800              | 01-2119555279-28-0001 | 19.11.2010               |
| 300000022228              | 01-2119971078-30-0007 | 30.11.2015               |
| 300000022439              | 01-2119493942-26-0004 | 29.09.2014               |
| 300000024036              | 01-2119970603-36-0004 | 04.09.2015               |
| 300000024815              | 01-2119537214-46-0007 | 02.03.2015               |
| 300000049592              | 01-2119498060-41-0029 | 29.05.2015               |
| 300000049741              | 01-2119978293-27-0005 | 01.09.2015               |
| 300000000086              | 01-2119462837-26-0001 | 28.01.2013               |
| 300000000179              | 01-2119493105-40-0003 |                          |
| 300000000321              | 01-2119495093-35-0024 | 20.02.2013               |
| 300000000514              | 01-2119513203-57-0066 | 06.06.2017               |
| 300000007070              | 01-2119490790-32-0003 | 29.10.2010               |
| 300000010030              | 01-2119489796-13-0007 | 05.04.2012               |
| 300000010031              | 01-2119489800-32-0004 | 21.02.2013               |
| 300000010081              | 01-2119497998-05-0042 | 20.01.2016               |
| 300000010100              | 01-2119490224-41-0021 | 05.04.2012               |
| 300000010101              | 01-2119493919-15-0005 | 05.04.2012               |
| 300000010111              | 01-2119906339-35-0002 | 29.12.2015               |
| 300000010320              | 01-2119486789-11-0031 | 11.03.2013               |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Internal ID for substance | Registration number   | Date of the registration |
|---------------------------|-----------------------|--------------------------|
| 300000010339              | 01-2120301688-54-0000 | 29.03.2017               |
| 300000010421              | 01-2119615605-42-0001 | 21.05.2015               |
| 300000010533              | 01-2119918289-28-0003 | 22.01.2016               |
| 300000010647              | 01-2119908880-36-0002 | 28.09.2015               |
| 300000011000              | 01-2119433305-48-0001 | 27.11.2015               |
| 300000011006              | 01-2119486482-31-0014 | 06.11.2012               |
| 300000011056              | 01-2119531110-62-0003 | 10.11.2010               |
| 300000020858              | 01-2119958192-35-0002 | 18.05.2015               |
| 300000022904              | 01-2119475105-42-0008 | 06.03.2013               |
| 300000029211              | 01-2119449803-34-0138 | 26.11.2015               |
| 300000000093              | 01-2119475328-30-0065 | 26.04.2013               |
| 300000000207              | 01-2119472431-44-0013 | 15.03.2012               |
| 300000000222              | 01-2119485498-19-0034 | 11.02.2013               |
| 300000000392              | 01-2119485924-24-0047 | 26.04.2013               |
| 300000006180              | 01-2119475151-45-0087 | 29.10.2010               |
| 300000010054              | 01-2119519226-43-0059 | 16.10.2014               |
| 300000010075              | 01-2119489797-11-0017 | 20.11.2017               |
| 300000010108              | 01-2119488224-35-0030 | 11.03.2013               |
| 300000010154              | 01-2119486795-18-0130 | 14.03.2013               |
| 300000010222              | 01-2119474684-27-0001 | 08.10.2010               |
| 300000010245              | 01-2119457027-40-0016 | 16.03.2012               |
| 300000011002              | 01-2119485123-42-0010 | 17.10.2012               |
| 300000020120              | 01-2119488166-29-0069 | 01.06.2012               |
| 300000020133              | 01-2119490974-22-0059 | 29.05.2012               |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

### XVIII. NDC Registration in the United States of America

| Event name       | Event system ID |
|------------------|-----------------|
| NDC-14639-8815-2 | 4665928         |
| NDC-14639-8815-4 | 4665949         |
| NDC-14639-8815-5 | 4665955         |
| NDC-14639-8815-6 | 4665961         |
| NDC-14639-8815-7 | 4665968         |
| NDC-14639-8815-8 | 4665974         |
| NDC-14639-8432-3 | 4665867         |
| NDC-14639-8432-2 | 4665873         |
| NDC-14639-8432-4 | 4665882         |
| NDC-14639-8432-7 | 4665895         |
| NDC-14639-6666-3 | 4665784         |
| NDC-14639-6666-2 | 4665793         |
| NDC-14639-6666-7 | 4665801         |
| NDC-14639-3110-7 | 4666783         |
| NDC-14639-6441-7 | 4665662         |
| NDC-14639-6441-2 | 4665631         |
| NDC-14639-6441-3 | 4665616         |
| NDC-14639-6236-8 | 4665518         |
| NDC-14639-6236-7 | 4665506         |
| NDC-14639-6236-5 | 4665500         |
| NDC-14639-6236-2 | 4665494         |
| NDC-14639-6236-1 | 4665488         |
| NDC-14639-6236-0 | 4665479         |
| NDC-14639-6236-3 | 4665473         |
| NDC-14639-2101-3 | 4666415         |
| NDC-14639-0022-7 | 4666152         |
| NDC-14639-5040-7 | 4662881         |
| NDC-14639-5040-3 | 4662842         |
| NDC-14639-5040-2 | 4662852         |
| NDC-14639-5040-4 | 4662859         |
| NDC-14639-0320-2 | 4662732         |
| NDC-14639-0320-7 | 4662741         |
| NDC-14639-6143-2 | 4663125         |
| NDC-14639-6143-9 | 4663167         |
| NDC-14639-6143-8 | 4663155         |
| NDC-14639-6143-7 | 4663137         |
| NDC-14639-6143-1 | 4663119         |
| NDC-14639-2367-9 | 4662790         |
| NDC-14639-2367-8 | 4662784         |

| Event name       | Event system ID |
|------------------|-----------------|
| NDC-14639-2367-3 | 4662763         |
| NDC-14639-2367-7 | 4662778         |
| NDC-14639-9828-8 | 4666083         |
| NDC-14639-9828-7 | 4666077         |
| NDC-14639-9828-4 | 4666065         |
| NDC-14639-9828-3 | 4666044         |
| NDC-14639-9828-2 | 4666050         |
| NDC-14639-5303-3 | 4662970         |
| NDC-14639-5303-1 | 4662983         |
| NDC-14639-5303-4 | 4662993         |
| NDC-14639-5303-5 | 4663003         |
| NDC-14639-5303-7 | 4663019         |
| NDC-14639-5303-8 | 4663025         |
| NDC-14639-5303-9 | 4663031         |
| NDC-14639-5303-0 | 4663042         |
| NDC-14639-5303-1 | 5185521         |
| NDC-14639-5303-4 | 5185547         |
| NDC-14639-5303-7 | 5185623         |
| NDC-14639-0111-3 | 4666183         |
| NDC-14639-0111-1 | 4666177         |
| NDC-14639-0112-3 | 4662696         |
| NDC-146390112    | 4662690         |
| NDC-14639-0112-2 | 4662684         |
| NDC-14639-0112-1 | 4662703         |
| NDC-14639-2465-3 | 4662609         |
| NDC-14639-2465-8 | 4662628         |
| NDC-14639-2465-7 | 4662622         |
| NDC-14639-2465-2 | 4662616         |
| NDC-14639-2422-7 | 4662451         |
| NDC-14639-2422-2 | 4662445         |
| NDC-14639-2422-8 | 4662436         |
| NDC-14639-0164-7 | 4662401         |
| NDC-14639-0164-3 | 4662395         |
| NDC-14639-0164-2 | 4662388         |
| NDC-54784-027-14 | 4691726         |
| NDC-54784-027-16 | 4691741         |
| NDC-54784-027-15 | 4691735         |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

## C. Product-related approvals Performance Materials

### I. Biocides (Approvals)

| Country, where approval was requested | Inventory number | Country number          |
|---------------------------------------|------------------|-------------------------|
| Belgium                               | BE-0012317-0000  | BE2017-0017             |
| Netherlands                           | NL-0015975-0000  |                         |
| Malta                                 | MT-0017958-0000  | 2017-10-19-B03          |
| Latvia                                | LV-0013043-0000  |                         |
| Finland                               | FI-0017406-0000  | FI-2017-0022            |
| Spain                                 | ES-0017368-0000  | ES/MR(NA)-2017-19-00426 |
| Estonia                               | EE-0013436-0000  | EE-NAMR2017-0095        |
| Czech Republic                        | CZ-0017596-0000  | CZ-0017596-0000         |
| Republic of Cyprus                    | CY-0018087-0000  | KY-0105                 |
| Austria                               | AT-0017638-0000  | AT-0017638-0000         |
| Sweden                                | SE-0017815-0000  | 5360                    |
| Netherlands                           | NL-0015973-0000  |                         |
| Malta                                 | MT-0017959-0000  | 2017-10-19-B02          |
| Latvia                                | LV-0013042-0000  |                         |
| Finland                               | FI-0017405-0000  | FI-2017-0021            |
| Spain                                 | ES-0017370-0000  | ES/MR(NA)-2017-19-00425 |
| Estonia                               | EE-0013435-0000  | EE-NAMR2017-0094        |

| Country, where approval was requested | Inventory number | Country number          |
|---------------------------------------|------------------|-------------------------|
| Republic of Cyprus                    | CY-0018086-0000  | KY-0106                 |
| Belgium                               | BE-0012319-0000  | BE2017-0016             |
| Finland                               | FI-0017156-0000  | FI-2017-0010            |
| Belgium                               | BE-0012318-0000  | BE2017-0015             |
| Great Britain                         | UK-0016943-0000  | UK-2017-1078            |
| Netherlands                           | NL-0015974-0000  |                         |
| Malta                                 | MT-0017957-0000  | 2017-10-19-B01          |
| Latvia                                | LV-0013041-0000  |                         |
| Luxemburg                             | LU-0013277-0000  | 112/16/L-000            |
| Greece                                | GR-0017475-0000  | TI19-0258               |
| France                                | FR-0013301-0000  | FR-2017-0089            |
| Spain                                 | ES-0017369-0000  | ES/MR(NA)-2017-19-00424 |
| Estonia                               | EE-0013329-0000  | EE-NAMR2017-0087        |
| Germany                               | DE-0013119-0000  | DE-0013119-19           |
| Czech Republic                        | CZ-0017664-0000  |                         |
| Republic of Cyprus                    | CY-0018085-0000  | KY-0103                 |
| Republic of Cyprus                    | CY-0018084-0000  | KY-0104                 |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| EC Nr.    | CAS-Nr.    | Stock number    | Country, where the evaluation was carried out |
|-----------|------------|-----------------|-----------------------------------------------|
| 257-835-0 | 52304-36-6 | EU-0005715-0000 | Belgium                                       |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

## II. EU REACH Registration

| Internal ID for substance | Registration number   | Date of the registration |
|---------------------------|-----------------------|--------------------------|
| 300000010045              | 01-2119379499-16-0066 | 29.10.2010               |
| 300000010263              | 01-2119489379-17-0015 | 17.11.2010               |
| 300000010653              | 01-2119459371-39-0001 | 30.05.2011               |
| 300000011573              | 01-2119489379-17-0015 | 17.11.2010               |
| 300000011574              | 01-2119489379-17-0015 | 17.11.2010               |
| 300000010291              | 01-0000018695-59-0000 | 01.02.2009               |
| 300000021967              | 01-0000017419-64-0000 | 01.02.2009               |
| 300000022122              | 01-0000020205-82-0000 | 01.02.2009               |
| 300000027621              | 01-0000018386-64-0000 | 01.02.2009               |
| 300000027690              | 01-0000018021-86-0000 | 01.02.2009               |
| 300000028157              | 01-0000020020-94-0000 | 01.02.2009               |
| 300000028158              | 01-0000019143-77-0000 | 01.02.2009               |
| 300000028159              | 01-0000020200-92-0000 | 01.02.2009               |
| 300000028599              | 01-0000019721-71-0000 | 01.02.2009               |
| 300000028627              | 01-0000016886-56-0001 | 01.02.2009               |
| 300000028640              | 01-0000017936-58-0000 | 01.02.2009               |
| 300000028644              | 01-0000018635-65-0000 | 01.02.2009               |
| 300000028885              | 01-0000019361-75-0000 | 01.02.2009               |
| 300000028886              | 01-0000019278-62-0000 | 01.02.2009               |
| 300000029172              | 01-0000020277-71-0000 | 01.02.2009               |
| 300000029518              | 01-0000019948-51-0000 | 01.02.2009               |
| 300000000104              | 01-2119486775-20-0007 | 19.11.2014               |
| 300000000135              | 01-2119457558-25-0018 | 02.03.2015               |
| 300000006127              | 01-0000017370-78-0000 | 01.02.2009               |
| 300000006306              | 01-0000017286-67-0000 | 01.02.2009               |
| 300000006405              | 01-2119513212-58-0009 | 01.11.2016               |
| 300000006408              | 01-0000017321-81-0000 | 01.02.2009               |
| 300000007129              | 01-0000017322-79-0000 | 01.02.2009               |
| 300000010253              | 01-2119487993-17-0004 | 30.11.2015               |
| 300000010381              | 01-0000016354-73-0006 | 01.02.2009               |
| 300000010389              | 01-2119486976-14-0044 | 07.11.2017               |
| 300000010855              | 01-2119463881-32-0107 | 27.11.2014               |
| 300000010857              | 01-2119433951-39-0042 | 18.08.2017               |
| 300000010977              | 01-2119502545-46-0005 | 03.03.2015               |
| 300000011013              | 01-2119485493-29-0023 | 26.08.2015               |
| 300000011048              | 01-0000015630-78-0000 | 01.02.2009               |
| 300000011270              | 01-2119513216-50-0012 | 25.10.2016               |
| 300000011297              | 01-0000016523-74-0002 | 01.02.2009               |
| 300000011345              | 01-2120138444-59-0000 | 20.12.2016               |
| 300000011503              | 01-0000018517-65-0001 | 01.02.2009               |
| 300000011577              | 01-0000020288-68-0000 | 01.02.2009               |
| 300000021054              | 01-0000017414-74-0000 | 01.02.2009               |
| 300000021140              | 01-2119452981-33-0012 | 04.03.2015               |
| 300000021738              | 01-0000019719-56-0000 | 01.02.2009               |
| 300000022028              | 01-0000015618-64-0000 | 01.02.2009               |
| 300000022121              | 01-0000020278-69-0000 | 01.02.2009               |
| 300000026259              | 01-0000017035-78-0001 | 01.02.2009               |
| 300000026262              | 01-0000018221-82-0000 | 01.02.2009               |
| 300000026332              | 01-2120138447-53-0000 | 20.12.2016               |
| 300000026408              | 01-0000017709-59-0000 | 01.02.2009               |
| 300000027257              | 01-0000016854-63-0000 | 01.02.2009               |
| 300000027464              | 01-0000017606-67-0000 | 02.09.2009               |
| 300000027465              | 01-0000017710-76-0000 | 01.02.2009               |
| 300000027723              | 01-0000019314-74-0000 | 01.02.2009               |
| 300000027860              | 01-0000018170-81-0002 | 01.02.2009               |
| 300000027940              | 01-0000017586-61-0000 | 31.05.2010               |
| 300000028040              | 01-0000018872-63-0002 | 01.02.2009               |
| 300000028418              | 01-0000017811-72-0001 | 12.07.2011               |

| Internal ID for substance | Registration number   | Date of the registration |
|---------------------------|-----------------------|--------------------------|
| 300000028528              | 01-2119490597-22-0000 | 12.10.2010               |
| 300000028569              | 01-0000019795-56-0000 | 01.02.2009               |
| 300000028570              | 01-0000019233-76-0001 | 01.02.2009               |
| 300000028710              | 01-0000018615-67-0001 | 01.02.2009               |
| 300000028922              | 01-2120740317-58-0000 | 19.09.2017               |
| 300000028967              | 01-0000019834-62-0001 | 30.08.2010               |
| 300000028982              | 01-0000017091-80-0000 | 01.02.2009               |
| 300000029003              | 01-0000019676-58-0000 | 01.02.2009               |
| 300000029418              | 01-2119451093-47-0002 | 26.06.2015               |
| 300000029518              | 01-0000019948-51-0000 | 06.03.2014               |
| 300000029541              | 01-0000020289-66-0000 | 01.02.2009               |
| 300000029548              | 01-2119392196-31-0000 | 17.06.2009               |
| 300000029550              | 01-0000020009-78-0000 | 16.03.2009               |
| 300000029671              | 01-0000019761-67-0001 | 16.02.2011               |
| 300000029837              | 01-0000015241-83-0000 | 01.02.2009               |
| 300000029899              | 01-2119862766-23-0000 | 15.06.2011               |
| 300000031041              | 01-2120060976-45-0000 | 06.11.2014               |
| 300000040902              | 01-2120031479-54-0000 | 20.01.2014               |
| 300000040903              | 01-2119991796-14-0000 | 18.07.2013               |
| 300000042582              | 01-2120135519-53-0000 | 23.11.2016               |
| 300000042780              | 01-2120249469-43-0000 | 20.03.2017               |
| 300000042884              | 01-2120735547-48-0000 | 03.07.2017               |
| 300000050144              | 01-2120229837-46-0000 | 06.03.2017               |
| 300000000003              | 01-2119486470-36-0018 | 01.04.2014               |
| 300000000281              | 01-2119486984-17-0006 | 16.12.2015               |
| 300000007549              | 01-2119957659-16-0005 | 01.04.2014               |
| 300000010079              | 01-2119516444-44-0004 | 05.01.2017               |
| 300000010175              | 01-2119968268-22-0003 | 10.07.2014               |
| 300000010262              | 01-2119946062-44-0006 | 16.06.2014               |
| 300000010721              | 01-2119980706-26-0001 | 09.04.2014               |
| 300000010735              | 01-2119460683-35-0003 | 18.01.2013               |
| 300000010739              | 01-2119976330-39-0001 | 06.08.2014               |
| 300000010852              | 01-2119529243-45-0230 | 13.10.2014               |
| 300000011165              | 01-2119475467-26-0004 | 15.05.2012               |
| 300000011271              | 01-2119529246-39-0050 | 30.04.2015               |
| 300000026480              | 01-2119457646-28-0041 | 02.12.2013               |
| 300000027466              | 01-0000018419-63-0001 | 02.02.2011               |
| 3000000000111             | 01-2119539420-47-0004 | 21.12.2016               |
| 300000000190              | 01-2119444314-46-0020 | 15.05.2012               |
| 300000000238              | 01-2119484862-27-0128 | 06.03.2013               |
| 300000010236              | 01-2119486683-25-0024 | 03.12.2010               |
| 300000010492              | 01-2119381291-42-0000 | 27.09.2010               |
| 300000010564              | 01-2119529248-35-0173 | 23.10.2012               |
| 300000010873              | 01-2119457614-35-0071 | 29.05.2012               |
| 300000010916              | 01-2119444918-26-0296 | 14.10.2015               |
| 300000011080              | 01-2120080372-61-0000 | 07.05.2015               |
| 300000020212              | 01-2119452786-27-0073 | 21.05.2013               |
| 300000022892              | 01-2119970174-37-0001 | 16.05.2013               |
| 300000023083              | 01-2119971575-26-0001 | 15.05.2013               |
| 300000026480              | 01-2119457646-28-0041 | 07.11.2017               |
| 300000029467              | 01-2119971065-37-0000 | 23.04.2013               |
| 300000042060              | 01-2119977434-28-0000 | 14.05.2013               |
| 300000030781              | 04-2119387570-34-0000 | 14.05.2009               |
| 300000040904              | 04-2120126269-55-0000 | 23.08.2016               |
| 300000040906              | 04-2120126268-57-0000 | 23.08.2016               |
| 300000040907              | 04-2119859321-40-0000 | 19.05.2011               |
| 300000040908              | 04-2119860317-36-0000 | 23.05.2011               |
| 300000041321              | 04-2120059043-65-0000 | 16.10.2014               |



The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

| Internal ID for substance | Registration number   | Date of the registration |
|---------------------------|-----------------------|--------------------------|
| 300000041534              | 04-2120039321-69-0000 | 13.02.2014               |
| 300000041726              | 04-2120114883-57-0000 | 20.04.2016               |
| 300000041923              | 04-2120096738-37-0000 | 16.10.2015               |
| 300000041924              | 04-2120053170-72-0000 | 08.08.2014               |
| 300000042981              | 04-2120053173-66-0000 | 08.08.2014               |
| 300000050413              | 04-2120053172-68-0000 | 08.08.2014               |
| 300000050659              | 04-2120053171-70-0000 | 08.08.2014               |
| 300000052662              | 04-2120111669-54-0000 | 15.03.2016               |
| 300000052961              | 04-2120111670-71-0000 | 15.03.2016               |
| 300000053013              | 04-2120111671-69-0000 | 15.05.2016               |
| 300000053058              | 04-2120111670-71-0000 | 15.03.2016               |
| 300000053223              | 04-2120128743-57-0000 | 07.09.2016               |
| 300000006306              | 01-0000017286-67-0000 | 17.02.2011               |
| 300000010487              | 01-2119474678-20-0003 | 28.03.2012               |
| 300000011048              | 01-0000015630-78-0000 | 18.02.2011               |
| 300000011297              | 01-0000016523-74-0002 | 25.02.2011               |
| 300000011503              | 01-0000018517-65-0001 | 25.02.2011               |
| 300000021738              | 01-0000019719-56-0000 | 19.03.2013               |
| 300000021942              | 01-2119908356-37-0000 | 21.02.2012               |
| 300000023131              | 01-2119972503-36-0001 | 15.05.2013               |
| 300000024337              | 01-2119971792-26-0001 | 15.05.2013               |

| Internal ID for substance | Registration number   | Date of the registration |
|---------------------------|-----------------------|--------------------------|
| 300000026259              | 01-0000017035-78-0001 | 13.05.2011               |
| 300000026262              | 01-0000018221-82-0000 | 27.03.2012               |
| 300000026316              | 01-0000015621-77-0000 | 24.06.2010               |
| 300000026334              | 01-0000018495-63-0000 | 31.08.2010               |
| 300000026416              | 01-2119396084-34-0000 | 23.09.2010               |
| 300000028040              | 01-0000018872-63-0002 | 01.07.2013               |
| 300000028156              | 01-2119977436-24-0000 | 16.05.2013               |
| 300000028484              | 01-2119488907-17-0000 | 22.09.2010               |
| 300000028488              | 01-2119449727-26-0000 | 01.06.2010               |
| 300000028713              | 01-2119908355-39-0000 | 21.02.2012               |
| 300000028835              | 01-0000019392-70-0000 | 02.09.2010               |
| 300000028851              | 01-0000019794-58-0000 | 25.08.2010               |
| 300000028937              | 01-0000018655-63-0000 | 03.09.2010               |
| 300000028979              | 01-2119405308-46-0000 | 01.09.2009               |
| 300000029409              | 01-2119835558-27-0000 | 08.02.2011               |
| 300000030815              | 01-2119400073-60-0000 | 05.08.2009               |
| 300000030823              | 01-2119400390-58-0000 | 30.08.2010               |
| 300000040694              | 01-2119855057-35-0000 | 18.04.2011               |
| 300000040698              | 01-2119854746-25-0000 | 18.04.2011               |
| 300000041273              | 01-2119451250-53-0000 | 16.06.2010               |
| 300000027812              | 01-2119531328-41-0009 | 17.02.2012               |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

### III. US NDC Sunscreen Eusolex Registrations

| US NDC Sunscreen Eusolex Registration |                          |
|---------------------------------------|--------------------------|
| Article                               | Product                  |
| 105334                                | Eusolex T-S              |
| 105335                                | Eusolex T-AVO            |
| 105337                                | Eusolex T-PRO            |
| 105338                                | Eusolex T-EASY           |
| 105372                                | Eusolex 232              |
| 105373                                | Eusolex T-2000           |
| 105376                                | Eusolex 4360             |
| 105377                                | Eusolex OCR              |
| 105382                                | Eusolex 2292             |
| 105401                                | Eusolex T-AQUA           |
| 105844                                | Eusolex 9020             |
| 106949                                | Eusolex OS               |
| 111412                                | Eusolex HMS              |
| 113911                                | Eusolex T                |
| 130801                                | Eusolex UV Pearl 2292    |
| 130805                                | Eusolex UV Pearl OMC     |
| 130807                                | Eusolex UV Pearl OMC IPS |
| 132700                                | Eusolex UV Pearl OB-S    |
| 132704                                | Eusolex UV Pearl OB-SX   |

### IV. Customs approvals

| Reference number     |
|----------------------|
| DE/3200/AV/0064      |
| DE/3200/AV0229       |
| DE/3200/PV0190, 0191 |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

**V. Maximal amount being approved - DUAL USE**

| License number          | External license number | Country      |
|-------------------------|-------------------------|--------------|
| 100000000000475629      | 40336551EU003           | Egypt        |
| 100000000000548289      | 40378266EU003           | Belarus      |
| 100000000000556854      | 40388555EU001           | Brazil       |
| 100000000000553952      | 40386190EU003           | Chile        |
| 100000000000485803      | 40347768EU003           | China        |
| 100000000000536788      | 40361004EU003           | China        |
| 100000000000308421      | 40273524EU003           | Ecuador      |
| 100000000000554162      | 40385442EU003           | Ivory Coast  |
| 100000000000537542      | 40362558EU003           | Guatemala    |
| 100000000000478221      | 40340389EU003           | India        |
| 100000000000548665      | 40379325EU003           | India        |
| 100000000000305002      | 40264126EU003           | Indonesia    |
| 100000000000537744      | 40363962EU003           | Indonesia    |
| 100000000000550594      | 40380455EU003           | Israel       |
| SAG newly requested     |                         | Italy        |
| 100000000000488090      | 40352333EU001           | Jordan       |
| 100000000000538885(old) | 40363626EU003           | Colombia     |
| 100000000000545524(new) |                         |              |
| 100000000000570136      | 40404009EU003           | Malaysia     |
| 100000000000570139      | 40403830EU003           | Mexico       |
| 100000000000473475      | 40331330EU003           | Nigeria      |
| 100000000000327550      | 40304015EU003           | Peru         |
| 100000000000547616      | 40376164EU003           | Philippines  |
| Only Online Conica      | 40291310EU001           | Switzerland  |
| Only Online Leister     | 40394310EU001           | Switzerland  |
| 100000000000304999      | 40263402EU003           | Saudi Arabia |
| 100000000000547597      | 40376968EU001           | Serbia       |
| 100000000000394437      | 40310724EU003           | Singapore    |
| 100000000000536791      | 40361060EU003           | Singapore    |
| 100000000000385700      | 40304406EU001           | Spain        |
| 100000000000489787      | 40353592EU003           | South Africa |
| 100000000000574407      | 40405901EU003           | South Korea  |
| 100000000000556666      | 40388549EU003           | Thailand     |
| 100000000000302663      | 40262197EU003           | Turkey       |
| 100000000000323560      | 40296937EU003           | Turkey       |
| 100000000000467580      | 40324859EU003           | Turkey       |
| 100000000000540046      | 40362468EU003           | Turkey       |
| 100000000000559149      | 40388558EU003           | Turkey       |
| 100000000000534305      | 40358946EU003           | Ukraine      |
| 100000000000404266      | 40320421EU003           | Uruguay      |
| 100000000000541474      | 40367108EU003           | Vietnam      |
| 100000000000308583      | 40271637EU003           | U.A.E        |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

**VI. Collective Export License**

| License number     | External license number |
|--------------------|-------------------------|
| 100000000000552584 | 40365052EU              |
| 100000000000406611 | 40299629EU              |
| 100000000000469171 | 40307311EU001           |
| 100000000000324144 | 40295875EU              |
| 100000000000477382 | 40329894EU              |
| 100000000000486660 | 40347094EU001           |

The following product-related approvals belong to Merck KGaA, Darmstadt, Germany.

**VII. EPA registration institution**

Institution number.: 92696-DEU-1

Institution name: MERCK KGAA (PRODUCTION PLANT PM 00G3)

According to sec. 7 of the Fereal Insecticide, Fungicide, and Rodenticide Act (FIFRA)

dated 18.01.2017

des United States Environmental Protection Agency Washington, D.C. 20460