

BB Natural Mineral Lotion

SPF 10, UVA, HEVL with Eusolex[®] T-AVO

MDA-S-161-02 - Formulation example

INGREDIENTS		INCI EU (INCI US)	[%]
A			
Montanov [™] 202	(1)	ARACHIDYL ALCOHOL, ARACHIDYL GLUCOSIDE, BEHENYL ALCOHOL	1.00
Montanov [™] S	(1)	COCO-GLUCOSIDE, COCONUT ALCOHOL	3.00
Lexfilm [®] Sun Natural	(2)	CAPRYLOYL GLYCERIN/SEBACIC ACID COPOLYMER	2.00
LexFeel Natural	(2)	HEPTYL UNDECYLENATE	6.00
Jojoba Oil	(3)	SIMMONDSIA CHINENSIS (SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL)	10.50
B			
RonaCare [®] Ectoin	(4)	ECTOIN	1.00
Colorona [®] Oriental Beige	(4)	MICA, CI 77891 (TITANIUM DIOXIDE), CI 77491 (IRON OXIDES)	2.50
Glycerol anhydrous (vegetable) EMPROVE [®] bio	(4)	GLYCERIN	4.00
Avicel PC 611	(5)	MICROCRYSTALLINE CELLULOSE, CELLULOSE GUM	1.00
Rhodicare XC	(5)	XANTHAN GUM	0.20
Water, demineralized		AQUA (WATER)	ad 100
B1			
Eusolex [®] T-AVO	(4)	TITANIUM DIOXIDE (NANO) (TITANIUM DIOXIDE), SILICA	10.00
C			
Preservatives		PRESERVATIVE	q.s.

Procedure:

Disperse Avicel PC 611 and Rhodicare XC in phase B and stir until homogeneous. Disperse B1 in phase B. Heat up both phases to 80°C. Add phase A to B. Homogenize using an Ultra-Turrax (1,5 Min, 9500 rpm). Cool down to room temperature while stirring. Add phase C below 40°C.

Notes:

Appearance: beige lotion (O/W);
 pH (23°C): 7.2;
 Viscosity: 10,000 mPas (Brookfield DV II-, Helipath spindle B, 10 rpm) at 23°C;
 Stability: 3 months at RT, 5°C, FTC (-5°C to +40°C), 40°C and 50°C;

Note: According to our knowledge, all mentioned raw materials are commonly accepted by COSMOS, NaTrue and other ecolabels. However, it has not been checked if the production of these materials fulfills the COSMOS/NaTrue/other requirements.

Suppliers:

- (1) Seppic
- (2) INOLEX Chemical Company
- (3) Gustav Heess GmbH
- (4) Merck KGaA, Darmstadt, Germany / EMD Performance Materials
- (5) Azelis Germany GmbH

EMD Performance Materials Corp.

