

FORMULATION example

MSAS.921.05.08.17 Day cream with natural anti-pollution power

Ingredients	INCI (US)	[%]
A1		
RonaCare® Ectoin	(1) ECTOIN	1.00
Solagum AX	(2) XANTHAN GUM (AND) ACACIA GUM	0.60
Water, demineralized	WATER	ad 100
A2		
RonaCare® Isoquercetin	(1) ISOQUERCETIN	0.20
1,2-Propanediol	(1) PROPYLENE GLYCOL	6.00
A3		
Montanov 202	(2) ARACHIDYL ALCOHOL (AND) BEHENYL ALCOHOL (AND) ARACHIDYL GLUCOSIDE	3.00
B		
Eusolex® T-AVO	(1) TITANIUM DIOXIDE (AND) SILICA	7.00
C		
Organic apricot oil	(3) PRUNUS ARMENIACA (APRICOT) KERNEL OIL	6.00
Myritol 318	(4) CAPRYLIC/CAPRIC TRIGLYCERIDE	14.00
DUB Zenoat	(5) PROPANEDIOL DICAPRYLATE	5.00
D		
RonaCare® Bisabolol	(1) BISABOLOL	0.50
E		
Emblica®	(1) PHYLLANTHUS EMBLICA FRUIT EXTRACT	0.70
RonaCare® Potassium Sorbate	(1) POTASSIUM SORBATE	0.50
RonaCare® Sodium Benzoate	(1) SODIUM BENZOATE	0.50
Water, demineralized	WATER	6.00
F		
Citric acid 30%	(1) WATER (AND) CITRIC ACID	1.00

Procedure:

Disperse the gelling agent in the water and then add the remaining ingredients of phase A1. Premix phase A2 and heat it to 50°C, check that RonaCare® Isoquercetin is fully dissolved. Mix phase A1 and phase A2, then add phase A3 and heat to 85°C. Disperse phase B in phase A. Prepare phase C and heat it to 85°C. Pour phase C in phase A/B without stirring and then homogenize under high stirring. Cool down slowly under gentle stirring.

At T<35°C, add phase D and then add premixed phase E.

Complete cooling and add phase E to adjust the pH to 5-5.5.

Notes:

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Store away from light.

Appearance : pale yellow cream

pH : 5.3

Viscosity : 37,600 cP (Fungilab Expert, Spindle R5, 5 rpm)

Stability : 3 months at room temperature, 4°C and 45°C

Suppliers:

(1) Merck KGaA, Darmstadt, Germany / EMD Performance Materials

(2) Seppic

(3) Phytocos SAS

(4) BASF AG

(5) Stearinerie Dubois Fils

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