

FORMULATION EXAMPLE

MDA-P-189-02a SK 03 Natural Radiance Cream FLORAGLOW

Ingredients	Art. No.	INCI EU	[%]
A			
RonaCare® Ectoin	1.30200 (1)	ECTOIN	2.00
RonaCare® Potassium Sorbate	1.32144 (1)	POTASSIUM SORBATE	0.50
RonaCare® Sodium Benzoate	1.30176 (1)	SODIUM BENZOATE	0.50
Glycerol anhydrous (vegetable) EMPROVE® bio	1.37028 (1)	GLYCERIN	8.50
Cosphaderm® X34	(2)	XANTHAN GUM	0.50
Water, demineralized		AQUA	65.80
B			
RonaCare® Poppy SE	1.32149 (1)	CAPRYLIC/CAPRIC TRIGLYCERIDE, PAPAVER RHOEAS EXTRACT, TOCOPHEROL	1.00
Olivem® 1000	(3)	CETEARYL OLIVATE, SORBITAN OLIVATE	3.00
Olivem VS Feel MB	(3)	CETEARYL ALCOHOL, CETYL PALMITATE, SORBITAN PALMITATE, SORBITAN OLEATE	1.00
Cetiol® C5	(4)	COCO-CAPRYLATE	7.00
Organic Sweet Almond Oil	(5)	PRUNUS AMYGDALUS DULCIS	4.00
Organic Jojoba Oil	(5)	SIMMONDSIA CHINENSIS SEED OIL	4.00
C			
RonaFlair® Satin	1.17268 (1)	ILLITE	2.00
D			
Covi-Ox® T-90 EU C	(6)	TOCOPHEROL	0.20
E			
Citric acid, 30% solution		AQUA, CITRIC ACID	q.s.

Procedure:

Add RonaCare® in water while stirring until dissolved , then add xanthan gum premixed with glycerin, stir until homogeneous.

Prepare phase B and heat phase A and phase B separate to 80°C. Pour phase B into phase A while stirring. Homogenize (U-Turrax T-25, 1 min 8000 rpm). Cool down slowly while gently stirring.

At t < 60°C add phase C and stir until homogeneous & Homogenize (U-Turrax T-25, 1 min 8000 rpm).. At T < 40°C add phase D and stir until homogeneous. Keep cooling slowly to room temperature. Adjust pH to 5.5-6 with phase E if necessary.

Notes:

Appearance : off-white lotion

Natural Origin Content (ISO 16128 , incl. H2O) = 98,9

pH : 5.5 - 5,7

Viscosity : about 12000 mPa s (Brookfield DDV-I, Spindle Helipath C, 10 rpm, 21°C).

Stability : 3 months at room temperature, 5°C, Freeze-Thaw-Cycle -5/+40 (12/12h) and 40°C, 1 week 50°C



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Suppliers:

(1) Merck KGaA, Darmstadt, Germany / EMD Performance Materials Corp.
(3) C.H. Erbslöh GmbH & Co. KG
(5) IES Labo

(2) Cosphatec GmbH
(4) BASF AG
(6) Azelis Germany GmbH

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