

# FORMULATION EXAMPLE

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

Ingredients	Art. No.	INCI EU	[%]
<b>A</b>			
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>B</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
<b>C</b>			
RonaFlair® Satin	1.17268 (1)	ILLITE	2.00
<b>D</b>			
Covi-Ox® T-90 EU C	(6)	TOCOPHEROL	0.20
<b>E</b>			
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



# FORMULATION EXAMPLE

## Suppliers:

- |  |                         |
|--|-------------------------|
| (1) Merck KGaA, Darmstadt, Germany / EMD Performance Materials Corp. | (2) Cosphatec GmbH      |
| (3) C.H. Erbslöh GmbH & Co. KG                                       | (4) BASF AG             |
| (5) IES Labo   | (6) Azelis Germany GmbH |

The Electronics business of Merck KGaA, Darmstadt, Germany operates as EMD Electronics in the U.S. and Canada. Products are warranted to meet the specifications set forth on their label/packaging and/or certificate of analysis at the time of shipment or for the expressly stated duration. The affiliates of Merck KGaA, Darmstadt, Germany provide information and advice on application technologies and relevant regulations based upon its current knowledge and opinion. The affiliates of Merck KGaA, Darmstadt, Germany make no representation or warranty of any kind, express or implied, including merchantability or fitness for a particular use regarding our products, their application or any information provided in connection therewith. The affiliates of Merck KGaA, Darmstadt, Germany shall not in any event be liable for incidental, consequential, indirect, exemplary or special damages of any kind resulting from any use or failure of the products. Customer is responsible for and must independently determine the suitability of products from affiliates of Merck KGaA, Darmstadt, Germany's for its intended use and processes. The foregoing information and suggestions are also provided without warranty of non-infringement as to intellectual property rights of third parties and shall not be construed as any inducement to infringe the rights of third parties. Customer shall be responsible for obtaining any applicable third party intellectual property licenses. All sales are subject to our complete Terms and Conditions of Sale. Prices are subject to change without notice. The affiliates of Merck KGaA, Darmstadt, Germany reserve the right to discontinue products without prior notice. © 2024 Merck KGaA, Darmstadt, Germany and/or its affiliates. EMD Electronics, the vibrant M, Colorona, Timiron, Xirona, RonaFlair, Ronastar, Candurin, Eusolex, Pardeck, Oxynex, RonaCare, IR3535, UV-Pearls, ASCIII, Luremin and Emblica are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly assessable recourse.