



SELF-TANNING LOTION 7145

Low cost self-tanning cream that provides a very nice creamy skin feel. This cream utilizes Sepinov EMT-10 and Simulsol CS to stabilize the emulsion while Lanol P provides a creamy and smooth after feel.

Formula

A	<ul style="list-style-type: none">• LANOL™ P (<i>Glycol Palmitate – Seppic</i>)• Petrolatum• Isopropyl Myristate• Myristyl Myristate• Mineral Oil• Cetearyl Alcohol• SIMULSOL™ CS (<i>Ceteareth-33 – Seppic</i>)• Dimethicone	2.00% 3.00% 4.00% 4.00% 3.00% 3.00% 0.50% 0.50%
B	<ul style="list-style-type: none">• SEPI NOV™ EMT 10 (<i>Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer – Seppic</i>)	0.60%
C	<ul style="list-style-type: none">• Water• EUXYL™ PE9010 (<i>Phenoxyethanol and Ethylhexylglycerin – Schülke</i>)	Up to 100% 1.00%
D	<ul style="list-style-type: none">• Water• Dihydroxyacetone• Lactic Acid	10.00% 5.00% Up to pH 4.5

Manufacturing Procedure (Lab scale)

Combine phase A ingredients and heat to 75°C. When everything is completely melted, add phase B to phase A while stirring. Heat phase C to 75°C and add to phase AB and homogenize the batch while the temperature is at 75C for 4 minutes at 4000 rpm. Stop homogenizing and start to cool down the batch with gentle agitation to 40°C and add phase D (pH should be = 4.5). Continue to stir until the temperature reaches ambient temperature.

Comments

LANOL™ P Texturizing agent. Does not leave a greasy feel, rinses off easily. Texturizing agent usefull to increase thickness without whitening effect onto the skin.

SEPI NOV™ EMT 10 Powder polymer « 2 in 1 », thickening in a wide pH range (3-10), ready to use, with an Excellent emulsifying and stabilizing power at low level – Innovative chemical structure with a good compatibility with specific actives ingredients and supple texture easy to pick up.
A New generation

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Characteristics

Appearance	White lotion
pH	Approx 4.5
Viscosity after 1 day at RT	89,000 mPa.s BROOKFIELD LV4 6rpm
Stability	> M3 at RT and 45°C

Notes

Petrolatum : Penreco Regent White PET (PENRECO)

Isopropyl Myristate : DUB IPM (STEARINERIE DUBOIS, distributed by SEPPIC in the USA)

Myristyl Myristate : DUB MM (STEARINERIE DUBOIS, distributed by SEPPIC in the USA)

Mineral Oil : Drakeol 10 LT (PENRECO)

Cetearyl Alcohol : Lanette O (COGNIS GmbH)

Dimethicone : DM-Fluid 350 cs (SHIN-ETSU CHEMICAL CO)

Dihydroxyacetone : (EMD)

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