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Fine Chemicals and More ...



Sun Cream SPF 30 (SLI-019)

Sun Cream based on Zinc Oxide as single UV – Filter. Broadband UV – spectrum.

Phase	Ingredient	INCI	% w/w	Function
A	Water demin.	AQUA	QS	
	Glycerin 99,5% (Glaconchemie GmbH)	GLYCERIN	3.00	Humectant
	Xanthan Gum	XANTHAN GUM	0.10	Thickener
	RICE PO4 NATURAL (AGRANA Stärke)	DISTARCH PHOSPHATE	3.00	Sensory Enhancement
B	Eclipse® D1-CC65 (Uviva Technologies)	ZINC OXIDE, COCO- CAPRYLATE/CAPRATE, POLYHYDROXYSTEARIC ACID	31.00	UV – Filter
	Lanette® 16	CETYL ALCOHOL	1.00	Stabilizer
	Lanette® O	CETEARYL ALCOHOL	1.00	Stabilizer
	PROTELAN ENS – RSPO – MB	GLYCERYL STEARATE, CETEARYL ALCOHOL, STEARIC ACID, SODIUM LAUROYL GLUTAMATE	4.00	Emulsifier
	PhytoVie® Defense	BRASSICA CAMPESTRIS/ALEURITES FORDI OIL COPOLYMER	2.00	Film Former
	dermofeel® sensolv MB	ISOAMYL LAURATE	4.00	Emollient
	LIPESTROL G-810	CAPRYLIC/CAPRIC TRIGLYCERIDE	3.00	Emollient
C	Sharomix® EG10 (Sharon Personal Care)	ETHYLHEXYLGLYCERIN, PHENOXYETHANOL	1.00	Preservative
D	Citric Acid 10%	CITRIC ACID	QS	pH – Adjuster

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Specification:

Appearance:	White cream
pH-value:	7.40 – 7.80
Viscosity:	approx. 14000 mPas (IKA Rotavisc me-vi, SP9, 5rpm, 20°C)
Stability:	Stable for 3 months at 4°C, 20°C and 40°C, 1 month at 45°C

Procedure:

- I. Mix the components of phase A while stirring and heat up to 60°C.
- II. Mix the components of phase B while stirring and heat up to 80°C.
- III. Add phase B to phase A and homogenize for 5 – 10 minutes.
- IV. Cool down to 35°C and add phase C.
- V. Set pH-value with phase D.

SLI Chemicals GmbH

Instenburger Str. 7, 60487 Frankfurt/M. (Germany) ☎ +49 (0) 69 74 74 28 0 ✉ labor@slichemicals.com 🌐 www.slichemicals.com

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