

Mineral Sun Care Lotion SPF 30 (SLI-045)

All-mineral and natural sunscreen lotion based on Zinc Oxide as single UV – Filter.

This formula fits very well in daily skincare routine, yet is also perfect as facial or body sunscreen with Broadband UV – spectrum.

Phase	Ingredient	INCI	% w/w	Function
A	Water demin.	AQUA	QS	
	PuraBeet® Betaine Anhydrous (AGRANA Stärke)	BETAINE	2.00	Humectant
	Bioecto™ Ectoine	ECTOIN	0.20	Active
	RICE PO4 NATURAL (AGRANA Stärke)	DISTARCH PHOSPHATE	3.00	Sensory Enhancement
	Xanthan Gum	XANTHAN GUM	0.20	Rheology Modifier
B	MONTANOV™ 202	ARACHIDYL ALCOHOL, BEHENYL ALCOHOL, ARACHIDYL GLUCOSIDE	4.00	Emulsifier
	Lanette® O	CETEARYL ALCOHOL	0.50	Stabilizer
	LexFilm™ Sun Natural MB	CAPRYLOYL GLYCERIN/SEBACIC ACID COPOLYMER	2.00	Film Former
	SHAROFEEL DS (Sharon Personal Care)	DIOCTYLDODECYL SUCCINATE	3.00	Emollient
	Gilsolide® HVN (GILAS sas)	C13-14 ALKANE, POLYGLYCERYL-4 OLEATE, GLYCERYL OLIVATE	3.00	Emollient
	Eclipse® D1-CC65 (Uviva Technologies)	ZINC OXIDE, COCO-CAPRYLATE/CAPRATE, POLYHYDROXYSTEARIC ACID	31.00	UV – Filter
C	Preservative	SORBITAN CAPRYLATE, BENZYL ALCOHOL	1.50	Preservative
D	Citric Acid 10%	CITRIC ACID	QS	pH – Adjuster

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Specification:

Appearance: White lotion

pH-value: 7.40 – 7.80

Viscosity: approx. 10000 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 80°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.

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