NATURAL MINERAL SUN LOTION

800.108.1.2

Cosphatec

ALL NATURAL INGREDIENTS

CALCULATED SPF 25-30. NATURAL SPF FILTER. WATER RESISTANT.

Alternative preservation: Cosphaderm® GeMix

Phase	Ingredient	COSMOS	INCI	Supplier	%
A	Demin. Water		Aqua	-	40.10
A	Cosphaderm® Propanediol natural	✓	Propanediol	Cosphatec GmbH	5.00
A	Sodium Chloride		Sodium Chloride	-	0.50
B	Imwitor® 600		Polyglyceryl-3 Polyricinoleate	IOI Oleo GmbH	3.50
B	Lanette® O		Cetearyl Alcohol	BASF SE	2.00
B	Coconut Oil		Coco Nucifera Oil	Gustav Heess GmbH	3.00
B	MCT Oil Typ V Ph. Eur.		Caprylic/Capric Triglyceride	Gustav Heess GmbH	6.00
B	Cosphaderm® Feel	✓	Triheptanoin	Cosphatec GmbH	6.00
B	Cosphaderm® T-70 NON GMO ECO	✓	Tocopherol, Helianthus Annuus Seed Oil	Cosphatec GmbH	0.20
B	Cosphaderm® GeMix	✓	Glyceryl Caprylate, Glyceryl Undecylenate	Cosphatec GmbH	1.20
C	ZinClear® XP 65 Coco		Zinc Oxide, Coco-Caprylate / Caprate, Polyglyceryl-3 Polyricinoleate, Isostearic Acid	-	32.50

MANUFACTURING PROCESS

Phase A: Combine all ingredients of phase A. Stir until everything is completely dissolved. Afterwards, adjust the pH to 5.5 ± 0.05.
Phase B: Combine all ingredients and heat to 75-80 °C. Then add phase B to phase A while homogenising.
Add phase C to the finished formulation and homogenise.

SPECIFICATION

Appearance: White to yellow low viscous emulsion
Stability: No separation after centrifugation (4000 rpm, 30 min), stable for 3 months at room temperature and 40 °C
Microbiological stability: proven

Disclaimer: This formulation proposal and our technical application advice are given to the best of our knowledge, but it is for information purposes only and no responsibility is assumed.

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