

SUN CITY DD CREAM SPF 10

16.190.01 C141

- Claims:**
- Daily defense shield SPF 10 (*in vitro* test)
 - Supple and smooth texture with a light skin feel. No alcohol
 - Multi-protection against environment and complexion correcting action

PHASE	INGREDIENT	INCI NAME	SUPPLIER	%
A	Deionized Water Dermoveel® PA-3 Tinosorb® M	Water	-	66.70
		Sodium Phytate (and) Water (and) Alcohol	Dr Straetmans	0.10
		Methylene Bis-Benzotriazolyl	BASF	5.00
		Tetramethylbutylphenol (and) Water (and) Decyl Glucoside (and) Propylene Glycol (and) Xanthan Gum		
B	Glycerin Ecogel™	Glycerin Lysolecithin (and) Sclerotium Gum (and) Xanthan Gum (and) Pullulan	Interchimie Lucas Meyer Cosmetics	2.00 1.00
C	Heliofeel™ Eusolex® 2292 Dermoveel® BGC Dermoveel® Sensolv BRB DM 350	Glyceryl Stearate Citrate (and) Polyglyceryl-3 Stearate (and) Hydrogenated Lecithin	Lucas Meyer Cosmetics	4.00
		Ethylhexyl Methoxycinnamate	Merck	5.00
		Butylene Glycol Dicaprylate/Dicaprate	Dr Straetmans	2.00
		Isoamyl Laurate	Dr Straetmans	3.00
		Dimethicone	BRB	3.00
D	Granlux® AOX-G3 Eco Verstatil® PC Elix-IR™ Exo-P™ Superox-C™ AF Neutrazen™ Miniporyl™	Propandiol (and) Picea Abies Extract	Granula*	1.00
		Phenoxyethanol (and) Caprylyl Glycol	Dr Straetmans	1.00
		Water (and) Glycerin (and) Polygonum Aviculare Extract	Lucas Meyer Cosmetics	1.00
		Water (and) Butylene Glycol (and) Alteromonas Ferment Extract	Lucas Meyer Cosmetics	0.50
		Glycerin (and) Water (and) Terminalia Ferdinandiana Fruit Extract	Southern Cross Botanicals**	1.00
		Water (and) Butylene Glycol (and) Dextran (and) Palmitoyl Tripeptide-8	Lucas Meyer Cosmetics	0.50
Isopentyl diol (and) Trifolium Pratense (Clover) Flower Extract	Lucas Meyer Cosmetics	2.00		
E	Solaire 1	Fragrance	IFF	0.20
F	Lecigel™	Sodium Acrylates Copolymer (and) Lecithin	Lucas Meyer Cosmetics	1.00

Manufacturing Procedure:

1. Heat A and C up to 75°C.
2. When the temperature reaches 65°C, add premix B into A and maintain medium slow stirring during 30 minutes to hydrate phospholipids.
3. Add C into AB and apply a maximum stirring during 3 minutes to emulsify the product.
4. Cool down under medium stirring.
5. Add D (ingredient one by one) and E below 40°C.
6. Sprinkle F in the formula under sufficient stirring to deploy the gel (around 600-800 rpm) during 10 to 15 minutes without incorporating air bubbles.
7. Adjust the pH if necessary.

Formula Specifications:

Aspect: White gel-cream
 Viscosity (Rheo ELV 8, spindle 4, 6 rpm, 1 min): 30 000 - 40 000 cP
 pH: 5.3 - 6.0
 Preservative efficacy test: Pass
 Pilot batches: 41 kg

Stability Tests: On lab batches up to 3 kg

Up to 1 month at 50°C
 Up to 3 months at: Room Temperature, 4-8°C and 45°C
 Freeze thaw cycles (24h at -18°C and 24h at RT - 2 weeks)
 Centrifugation (3000 rpm, 20 min): Stable
 Vibrating table (400 rpm, 4h): Stable

* Distributed in France by Lucas Meyer Cosmetics

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