

ESSENTIAL DD CREAM

17.257.03 C140

- Claims:**
- SPF 20 (theoretical)
 - Protective daily defense shield
 - Supple and smooth texture
 - Light and pleasant skin feel

PHASE	INGREDIENT	INCI NAME	SUPPLIER	%
A	Deionized Water Dermofeel® PA-3 Tinosorb® M	Water	-	68.90
		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	Interchimie	2.00
		Lysolecithin (and) Sclerotium Gum (and) Xanthan Gum (and) Pullulan	Lucas Meyer Cosmetics	1.00
C	Heliofeel™ Uvinul™ MC 80 Dermofeel® BGC Dermofeel® Sensolv BRB DM 350	Glyceryl Stearate Citrate (and) Polyglyceryl-3 Stearate (and) Hydrogenated Lecithin	Lucas Meyer Cosmetics	4.00
		Ethylhexyl Methoxycinnamate	BASF	5.00
		Butylene Glycol Dicaprylate/Dicaprate	Dr Straetmans	2.00
		Isoamyl Laurate	Dr Straetmans	3.00
		Dimethicone	BRB	3.00
D	Granlux® AOX-GL Verstatil PC Elix-IR™ Exo-P™ Superox-C™ AF Neutrazen™	Glycerin (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 Botanical**	1.00
Water (and) Butylene Glycol (and) Dextran (and) Palmitoyl Tripeptide-8	Lucas Meyer Cosmetics	0.50		
E	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 is up to 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) below 40°C.
6. Sprinkle E in the formula under sufficient stirring to deploy the gel (around 600-800rpm) during 10 to 15 minutes without incorporating air bubbles.
7. Adjust the pH if necessary.

* Distributed in France by Lucas Meyer Cosmetics

* A Lucas Meyer Cosmetics company

Formula Specifications:

Aspect: White gel-cream
 Viscosity (Rheo ELV 8, spindle 4, 6 rpm, 3 min): 30 000 - 40 000 cP
 pH: 5.3 - 6.0
 Preservative efficacy test: Pass
 Pilot batch: 41 kg

Stability Tests: On lab batch up to 2kg

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 TA – cycles repeated during 2 weeks)

Centrifugation (3000 rpm, 20 min): Stable