

## MOISTURIZING BODY SPRAY

17.016.04 C185

- Claims:**
- Easily sprayable formula and quick absorbing emulsion
  - Comfortable skin feel despite only 5% oil phase
  - Minimalist formula

PHASE	INGREDIENT	INCI NAME	SUPPLIER	%
A	Deionized Water Dermofeel® PA-3	Water	-	87.45
		Sodium Phytate (and) Aqua (and) Alcohol	Dr Straetmans	0.10
B	Glycerin Ecogel™	Glycerin	Interchimie	2.00
		Lysolecithin (and) Sclerotium Gum (and) Xanthan Gum (and) Pullulan	Lucas Meyer Cosmetics	0.60
C	Heliofeel™  Dub Inin	Glyceryl Stearate Citrate (and) Polyglyceryl-3 Stearate (and) Hydrogenated Lecithin	Lucas Meyer Cosmetics	2.00
		Isononyl Isononanoate	Stearinerie Dubois	5.00
D	Vitapherole® E-1000	Tocopherol (and) Helianthus Annuus (Sunflower) Seed Oil	VitaeNaturals	0.10
E	Verstabil® PC Exo-H™  7213821	Phenoxyethanol (and) Caprylyl Glycol	Dr Straetmans	1.00
		Water (and) Butylene Glycol (and) Alteromonas Ferment Extract	Lucas Meyer Cosmetics	1.50
		Fragrance	IFF	0.25

### Manufacturing Procedure:

1. Heat phases A and C up to 75°C.
2. When the temperature is up to 75°C, add premix B into A and keep under medium/high stirring during 30 minutes to hydrate phospholipids.
3. Add C and D (just before emulsifying) into AB under maximum stirring during 3 minutes to emulsify the product.
4. Cool down under medium stirring.
5. Add ingredients of E, one by one, below 40°C.
6. Adjust the pH if necessary.

### Formula Specifications:

Aspect: Off-white fluid lotion  
 Viscosity (Brookfield LV, spindle 4, 6 rpm, 1 min): 2 000 - 4 500 cP  
 pH: 5.0 - 5.5  
 Preservative efficacy test: Pass  
 Pilot batch: 32 kg

### Stability Tests: On lab batch 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 4°C and 24h at 45°C - 2 weeks)  
 Centrifugation (3000 rpm, 20 min): Stable  
 Vibrating table (400 rpm, 4h): Stable