



# Natural Tinted Suncare SPF 30\*\* 18.178.01 C204

A mineral tinted light cream SPF 30 with a divine dry after-feel providing global sun protection



**LUCAS MEYER**  
COSMETICS  
by Clariant

RICHNESS

PROCESS

APPLICATION



## • FORMULATION FEATURES

- 98.8% Cosmos registered ingredients
- Mineral sunscreens
- Light tinted cream
- Dry after-feel

## • FUNCTIONAL INGREDIENTS

### Ecogel™ (1%) - Viscosity adjuster & skin-feel enhancer

- Stabilization
- Gliding effect

### Biophilic™ H MB (4%) - Emulsifier

- Light and smooth texture
- Non-greasy, non-tacky & velvety after-feel
- Mineral sunscreens compatibility

## • ACTIVE INGREDIENTS

### Borealine® Protect + Elix-IR™ + MelinOIL™

- Global protection from sun-induced damages
- Tazman Pepper™ AF**
- Soothing action

|   | INGREDIENT              | INCI NAME                                                                                                                                                                                              | SUPPLIER                | FUNCTION                               | %     |
|---|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|-------|
| A | Deionized Water         | Water                                                                                                                                                                                                  | -                       | Vehicle                                | 50.60 |
|   | Dermofeel® PA-3         | Sodium Phytate (and) Water (and) Alcohol                                                                                                                                                               | Dr Straetmans           | Chelating agent                        | 0.10  |
|   | Solaveil™ XT-40W        | Titanium Dioxide (and) Water (and) Polyglyceryl-2 Caprate (and) Sucrose Stearate (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Stearic Acid (and) Alumina (and) Glyceryl Caprylate (and) Squalane | Croda                   | Sunscreen                              | 18.00 |
|   | Unipure Black LC989 EM  | CI 77499                                                                                                                                                                                               | Sensient Cosmetic Tech. | Pigment                                | 0.05  |
|   | Unipure Red LC381 EM    | CI 77491                                                                                                                                                                                               | Sensient Cosmetic Tech. | Pigment                                | 0.10  |
|   | Unipure Yellow LC182 EM | CI 77492                                                                                                                                                                                               | Sensient Cosmetic Tech. | Pigment                                | 0.60  |
|   | Ecogel™                 | Lysolecithin (and) Sclerotium Gum (and) Xanthan Gum (and) Pullulan                                                                                                                                     | Lucas Meyer Cosmetics   | Viscosity adjuster/ Skin feel enhancer | 1.00  |
|   | Biophilic™ H MB         | Hydrogenated Lecithin (and) C12-16 Alcohols (and) Palmitic Acid                                                                                                                                        | Lucas Meyer Cosmetics   | Emulsifier                             | 4.00  |
| E | Solaveil™ XT-300        | Titanium Dioxide (and) Caprylic/Capric Triglyceride (and) Polyhydroxystearic Acid (and) Stearic Acid (and) Alumina                                                                                     | Croda                   | Sunscreen                              | 9.00  |
|   | Dermofeel® TC-7         | Triheptanoin                                                                                                                                                                                           | Dr Straetmans           | Emollient                              | 9.00  |
|   | Vellaplex™              | Capryloyl Glycerin/Sebacic Acid Copolymer                                                                                                                                                              | Inolex                  | Emollient                              | 1.00  |
| F | Vitapherole® E-1000     | Tocopherol (and) Helianthus Annuus (Sunflower) Seed Oil                                                                                                                                                | VitaeNaturals           | Anti-oxidant                           | 0.10  |
| G | MinaSolve™ Green C      | Pentylene Glycol (and) Glyceryl Caprylate/Caprate                                                                                                                                                      | Minasolve               | Preservative                           | 2.00  |
| H | Elix-IR™                | Water (and) Glycerin (and) Polygonum Aviculare Extract                                                                                                                                                 | Lucas Meyer Cosmetics   | Active ingredient                      | 1.00  |
|   | Tazman Pepper™ AF       | Glycerin (and) Water (and) Tasmannia Lanceolata Fruit/Leaf Extract                                                                                                                                     | Lucas Meyer Cosmetics   | Active ingredient                      | 2.00  |
|   | Boréaline® Protect      | Glycerin (and) Picea Mariana Bark Extract                                                                                                                                                              | Lucas Meyer Cosmetics   | Active ingredient                      | 0.25  |
|   | MelinOIL™               | Isopropyl Palmitate (and) Lecithin (and) Water (and) Acetyl Hexapeptide-1                                                                                                                              | Lucas Meyer Cosmetics   | Active ingredient                      | 1.00  |
|   | 9412208                 | Fragrance                                                                                                                                                                                              | IFF                     | IFF                                    | 0.20  |

### Manufacturing Procedure:

- 1.Heat A and E up to 75°C.
- 2.Add B into A.
- 3.Add C and develop the gel under maximum stirring for 5 min (rotor stator homogenizer).
- 4.Add D and keep under medium stirring for 5 minutes.
- 5.Add E and keep under medium stirring for 5 minutes.
- 6.Add F just before emulsifying and increase stirring rate up to maximum stirring and maintain for 3 minutes.
- 7.Cool down under medium stirring below 40°C.
- 8.Add G and H one by one.

### Formula Specifications at D1:

Aspect: Tinted fluid cream  
Viscosity (Brookfield LV, spindle 4, 6 rpm, 1 min): 10 000 - 25 000 Cp  
pH: 6.5 - 7.0  
Preservative efficacy test: Pass  
Pilot batch: 52 kg

### Stability Tests:

On lab batch up to 3 kg  
1 month at 50°C  
3 months at: Room Temperature, UV, 4-8°C and 45°C  
Temperature cycles (24h at 4°C and 24h at 45°C - 2 weeks)  
D1 Centrifugation (3000 rpm, 20 min)  
D1 Vibrating table (400 rpm, 4h)

\*\*theoretical value

SPF measured in vivo (10 volunteers/Caucasian skin): 26.7

FLUID

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