

Zemea®\* the Natural Choice...  
Purity and Renewable Performance



Zemea®  
renewably sourced™ propanediol

Zemea® Moisturizing Body Lotion with Trealix®

| PHASE | TRADE NAME                                  | SUPPLIER                      | INCI NAME   | %           |
|-------|---|-------------------------------|---|-------------|
| A     | Deionised Water                             |                               | Aqua  | 74.45       |
| A1    | Keltrol SFT                                 | CP Kelco                      | Xanthan Gum   | 0.20        |
| A2    | <b>Zemea® Propanediol</b>                   | <b>DuPont Tate &amp; Lyle</b> | <b>Propanediol</b>  | <b>3.00</b> |
|       | Dermofeel® PA-3                             | Dr.Straetmans                 | Sodium Phytate  | 0.10        |
|       | Dermosoft® Octiol                           | Dr.Straetmans                 | Caprylyl Glycol   | 0.70        |
| B     | Phytocream® 2000                            | Sinerga                       | Potassium Palmitoyl Hydrolyzed Wheat Protein, Glyceryl Stearate, Cetearyl Alcohol | 5.00        |
|       | Sunflower Seed Oil                          | Henry Lamotte                 | Helianthus Annuus Seed Oil  | 4.00        |
|       | Palmester® 3585                             | KLK Oleo                      | Caprylic/Capric Triglyceride  | 8.00        |
|       | Dermofeel® Toco 70                          | Dr.Straetmans                 | Tocopherol, Helianthus Annuus Seed Oil  | 0.05        |
| B1    | XIAMETER® PMX-0345                          | Dow Corning                   | Cyclohexasiloxane, Cyclopentasiloxane   | 2.00        |
| C     | Trealix®                                    | Sinerga                       | Trehalose, Hydrolyzed Vegetable Protein   | 2.00        |
|       | Geogard 221                                 | Lonza                         | Dehydroacetic Acid, Benzyl Alcohol, Water   | 0.30        |
|       | Parfum Orange Ingwer<br>Natura Öko 0705-072 | Düllberg                      | Parfum, Limonene, Linalool, Citral, Coumarin                                      | 0.20        |
|       |   |                               |   | 100.00      |

Manufacturing Procedure

1. Heat phase A up to 75°C. Dissolve Keltrol (phase A1) completely.
2. Add components of phase A2 and dissolve.
3. Heat phase B to 75°C and add phase B1 before emulsifying.
4. Emulsify phase B to phase A under stirring. Homogenize for 1 - 2 minutes.
5. Cool down to room temperature under stirring. Add parts of phase C below 40°C.

Product Features

Appearance: white emulsion

Viscosity: ~ 5.000 mPas (Brookfield DV-II: spindle 6, speed 10)

pH: 5,0 - 6,0

Storage Stability: 3 months at RT, 40°C, 4°

(Prototype formula# BL-T-1-210 provided by Biesterfeld Spezialchemie GmbH.

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