



Zemea® Moisturizing Body Lotion with Trealix®

Phase	Trade/Drug Name	INCI Name	Suppliers	Wt.%
A	Deionised Water	Aqua		74.45
A ₁	Keltrol SFT	Xanthan Gum	CP Kelco	0.20
A ₂	Zemea®	Propanediol	DuPont Tate and Lyle	3.00
	Dermofeel® PA-3	Sodium Phytate	Dr.Straetmans	0.10
	Dermosoft® Octiol	Caprylyl Glycol	Dr.Straetmans	0.70
B	Phytocream® 2000	Potassium Palmitoyl Hydrolyzed Wheat Protein, Glyceril Stearate, Cetearyl Alcohol	Sinerga	5.00
	Sunflower Seed Oil	Helianthus Annuus Seed Oil	Henry Lamotte	4.00
	Palmester® 3585	Caprylic/Capric Triglyceride	KLK Oleo	8.00
	Dermofeel® Toco 70	Tocopherol, Helianthus Annuus Seed Oil	Dr.Straetmans	0.05
B ₁	XIAMETER® PMX-0345	Cyclohexasiloxane, Cyclopentasiloxane	Dow Corning	2.00
	Trealix®	Trehalose, Hydrolyzed Vegetable Protein	Sinerga	2.00
C	Geogard 221	Dehydroacetic Acid, Benzyl Alcohol, Water	Lonza	0.30
	Parfum Orange Ingwer Natura Öko 0705-072	Parfum, Limonene, Linalool, Citral, Coumarin	Düllberg	0.20
	Total			100.00

Manufacturing Process

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:

1. Appearance: white emulsion pH: 5.0 - 6.0.
2. Viscosity: ~ 20.000 mPas (Brookfield DV-II: spindle 6, speed 10).
3. Storage Stability: 3 months at RT, 40°C, 4°C.

Prototype formulation provided by: Biesterfeld Spezialchemie GmbH.,
Zagreb, Croatia

For additional information or samples:

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