



# Zemea® moisturizing body lotion with Trealix®

Phase	Trade/drug name	INCI name	Supplier	Wt.%
A	Deionized water	Aqua	—	74.45%
A <sub>1</sub>	Keltrol SFT	Xanthan gum	CP Kelco	0.20%
	<b>Zemea® propanediol</b>	<b>Propanediol</b>	<b>CovationBio PDO</b>	<b>3.00%</b>
A <sub>2</sub>	Dermofeel® PA-3	Sodium phytate	Dr. Straetmans	0.10%
	Dermosoft® Octiol	Caprylyl glycol	Dr. Straetmans	0.70%
	Phytocream® 2000	Potassium palmitoyl hydrolyzed wheat protein, glyceryl stearate, cetearyl alcohol	Sinerga	5.00%
B	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 <sub>1</sub>	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%

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

## Procedure

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

## Product features

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