



Zemea® Propanediol Natural Emulsion Hite Cream 3000

Phase	Trade/Drug Name	INCI Name	Suppliers	Wt.%
A	Deionised Water	Aqua		72.65
	Zemea® Propanediol	Propanediol	DuPont Tate and Lyle	3.00
B	Hitecream® 3000	Potassium Palmitoyl Hydrolyzed Oat Protein, Behenyl Alcohol, Palm Glycerides, Sodium Stearoyl Glutamate, Sucrose Palmitate	Sinerga	8.00
	Sunflower Seed Oil	Helianthus Annuus Seed Oil	Henry Lamotte	8.00
	Palmerol® 1698	Cetyl Alcohol	KLK Oleo	2.00
	Cetiol OE	Dicaprylyl Ether	Cognis	4.00
B ₁	Dermofeel® Toco 70	Tocopherol, Helianthus Annuus Seed Oil	Dr. Straetmans	0.05
	Aromatic Tangerine Extract H0826	Caprylic/Capric Triglyceride, Citrus Tangerina Extract, Limonene	Carrubba	1.00
C	Geogard 221	Dehydroacetic Acid, Benzyl Alcohol, Water	Lonza	0.80
D	Citric Acid (solution 20%)	Citric Acid		0.50
Total				100.00

Manufacturing Process

1. Mix phase A and heat up to 75°C.
2. Heat phase B to 75°C and add phase B1 shortly before emulsifying.
3. Emulsify phase B to phase A under stirring. Homogenize for 1 - 2 minutes.
4. Cool down to 40°C under stirring at moderate speed and add phase C.
5. Continue stirring at moderate speed and cool down to room temperature.
6. Adjust pH with phase D.

Product Features:

1. Appearance: white emulsion pH: 5.5 - 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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