drstraetmans

After Sun Cooling Gel Cream

L014-44.6-0112

Claims: **Smooth touch gel cream with cooling effect**
With biomimetic lamellar structure system Simulskin
Reinforcement of skin barrier structure

Phase	Ingredient	INCI	Supplier	%
A	Deionised Water	Aqua		77.75
	Glycerol (85%)	Glycerin, Aua	Merck	3.00
	dermofeel® PA-3	Sodium Phytate, Aqua, Alcohol	**Dr.Straetmans**	**0.10**
	dermosoft® OMP	Methylpropanediol; Caprylyl Glycol; Phenylpropanol	**Dr.Straetmans**	**3.00**
	Allantoin	Allantoin	Merck	0.20
A1	Lecigel	Sodium Acrylates Copolymer, Lecithin	Lucas Meyer	1.75
B	**dermofeel® BGC**	Butylene Glycol Dicaprylate/Dicaprate	**Dr.Straetmans**	**3.00**
	Isopropylpalmitate	Isopropyl Palmitate	BASF	4.00
	dermofeel® Toco 70	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	**Dr.Straetmans**	**0.20**
C	Simulskin	Water, Phospholipids, Stearic acid, Palmitic acid	Lucas Meyer	2.00
D	Ethanol (86%)	Alcohol denat.	Merck	5.00
				100.00

Manufacturing Procedure:
1. Heat phase A up to 78°C. Disperse A1 until completely dissolved.
2. Heat phase B up to 78°C.
3. Emulsify phase B into phase A/A1 while stirring.
   Homogenize for approx. 2 min. using an Ultra-Turrax.
4. Start to cool down under medium stirring. Add phase C and D. Adjust pH if necessary.

Specification Values:
Appearance: cream gel-emulsion.
pH value: 5.5 – 6.5.
Viscosity (Brookfield: Helipath TF; Speed 10): Approx. 20.000 – 40.000 mPa·s.
Centrifugation (4.000 rpm, 15 min.): No separation.

Stability: More than 3 months stable at 20°C, 40°C and 4°C.

Microbiological Stability: Proven.

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