

## Natural Sun Lotion WO

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**Claims:** Natural UV Protection

**Estimated UV Protection: In vitro SPF: 25; COLIPA ratio: SPF<sub>Label</sub>/UVA-PF: 2,4**

Phase	Ingredient	INCI	Supplier	%
<b>A</b>	Deionised Water	Aqua		35.50
	Glycerol 86,5%	Glycerin	Merck	3.00
	Sodium Chloride	Sodium Chloride	Merck	1.00
	<b>dermofeel® PA-3</b>	Sodium Phytate	<b>Dr. Straetmans</b>	<b>0.10</b>
	<b>dermosoft® 1388 eco</b>	Glycerin, Aqua, Sodium Levulinate, Sodium Anisate	<b>Dr. Straetmans</b>	<b>4.00</b>
<b>A1</b>	Citric Acid (sol 20%)	Citric Acid	Merck	0.30
<b>B</b>	<b>sybio®muls WO</b>	Polyglyceryl-3 Polyricinoleate; Sorbitan Sesquioleate; Cetyl Ricinoleate; Glyceryl Caprate; Cera Alba; Magnesium Stearate; Aluminium Tristearate	<b>Dr. Straetmans</b>	<b>8.00</b>
	<b>dermosoft® GMCY</b>	Glyceryl Caprylate	<b>Dr. Straetmans</b>	<b>0.30</b>
	<b>dermofeel® sensolv</b>	Isoamyl Laurate	<b>Dr. Straetmans</b>	<b>13.00</b>
	Apricot Kernel Oil	Prunus Armeniaca (Apricot) Kernel Oil	Gustav Heess	1.00
	Sunflower Oil	Helianthus Annuus (Sunflower) Seed Oil	Gustav Heess	11.00
	<b>dermofeel® Toco 70 non-GMO</b>	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil	<b>Dr. Straetmans</b>	<b>0.10</b>
	Bisabolol alpha nat.	Bisabolol	Merck	0.20
<b>B1</b>	Solaveil XT-300	Titanium Dioxide, Caprylic/Capric Triglyceride, Polyhydroxystearic Acid, Stearic Acid, Alumina	Croda	17.00
	Eusolex TS	Titanium Dioxide; Alumina; Stearic Acid	Merck	5.00
<b>C</b>	Nat. Perf. Orange/Ginger/Carambola P0250196	Parfum	Frey & Lau	0.50
				<b>100.00</b>

### Manufacturing Procedure:

1. Heat phase A up to 80 °C. Adjust pH to 4.5 – 5.3.
2. Heat phase B up to 80 °C. Add and disperse ingredients of B1 and increase temperature up to 80 °C.
3. Emulsify phase A into phase B slowly while stirring. Homogenize for approx. 1 min. using an Ultra Turrax.
4. Cool down to 30 °C and add part C. Cool down to room-temperature

### Specification Values:

Appearance: white lotion.

pH: 4.5 – 5.3.

Viscosity (Brookfield: Helipath TF; Speed 10): Approx. 8.000 - 15.000 mPa's.

Centrifugation (15 min., 4.000 rpm): No separation.

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

**Microbiological Stability:** Proven

### Disclaimer:

The information contained herein is meant to demonstrate how our products can be used. The given data are suggestions without any guarantee aimed to support customers' development. As production conditions at our customers' facilities are beyond our control we refuse to accept any liability involved in the use of our products. Please observe possible third party patent rights.

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