

**MINERAL SUN CREAM - LIGHT TOUCH (SPF 50)**

Ref. E11/O-0267/06

TRADE NAME (INCI)	FUNCTION	SUPPLIER	% w/w
<b>A</b>			
<b>Ewocream</b> (Polyglyceryl-3 sorbitan Linum usitatissimum (linseed) oil)	<i>w/o emulsifier</i>	(1)	4,00
<b>Massocare CCC MB</b> (Coco-caprylate/caprata)	<i>emollient</i>	(2)	10,00
<b>Massocare ISI</b> (Isostearyl Isostearate)	<i>emollient</i>	(2)	5,00
<b>Natura-Tec Babassu Oil Refined</b> (Orbignya Oleifera Seed Oil)	<i>vegetal oil</i>	(3)	2,00
<b>Natura-Tec Abysoft</b> (Crambe Abyssinica Seed Oil Phytosterol Esters)	<i>moisturiser, emollient</i>	(3)	3,00
<b>CosmoSurf DDG-20</b> (Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer)	<i>film-forming, water-proof</i>	(4)	3.25
<b>Natura-Tec Hydrogenated Castor Oil</b> (Hydrogenated Castor Oil)	<i>rheology modifier</i>	(3)	0,15
<b>Massocare PHS</b> (Polyhydroxystearic Acid)	<i>dispersant</i>	(2)	0,20
<b>Tocobiol c</b> (Tocopherol (mixed), $\beta$ -sitosterol, Squalene)	<i>anti-oxidant</i>	(5)	0,05
<b>B</b>			
Water (Aqua)	<i>solvent</i>		12.45
<b>Palmera G995E MB</b> (Glycerin)	<i>humectant</i>	(6)	3,00
<b>Genencare OSMS BA</b> (Betaine)	<i>moisturiser</i>	(7)	4,00
MgSO <sub>4</sub> . 7 H <sub>2</sub> O (Magnesium Sulfate)	<i>stabilizer</i>		0,70
<b>C</b>			
<b>TTC-30N</b> (Talc, Titanium Dioxide, Magnesium Stearate, Aluminum Hydroxide)	<i>physical sunscreen (UVA/UVB)</i>	(8)	10,00
<b>D</b>			
<b>Xperse 102</b> (Zinc oxide, Caprylic/capric triglyceride, Polyhydroxystearic acid)	<i>physical sunscreen (UVA &amp; UVB)</i>	(9)	41,50
<b>E</b>			
<b>Geogard ECT</b> (Benzyl Alcohol, Salicylic Acid, Glycerin, Sorbic Acid)	<i>preservative</i>	(10)	0,60
<b>F</b>			
<b>AR801805 - Light Green Splash</b> (Parfum)	<i>perfume</i>	(11)	0,10

**MINERAL SUN CREAM - LIGHT TOUCH (SPF 50)**

Ref. E11/O-0267/06

**APPEARANCE**

white shiny lotion

**SPECIFICATIONS****Viscosity:** 7.490 mPa·s (Brookfield LV, Spindle E, 12 rpm) 22°C**pH:** ---**PROCEDURE (hot process)**

1. Heat phase A to 80-85°C
2. Disperse phase C to phase A in Turrax (11.000) for 2 minutes keeping the temperature
3. Add phase D to phase AC whilst stirring keeping the temperature
4. Add phase E to phase B whilst stirring slowly (100-250 rpm)
5. Add phase BE to ACD whilst stirring intensively (>450 rpm)
6. Homogenise phase ABCDE for 3 minutes (Silverson: 4.000 rpm)
7. Cool down whilst stirring intensively (>450 rpm)
8. Add phase F whilst stirring moderately (250-450 rpm)
9. Allow to cool down whilst stirring intensively (>450 rpm)

**KEY INGREDIENTS****Ewocream** - organic & green w/o emulsifier**Massocare ISI** - natural branched emollient**Natura-Tec Babassu Oil Refined** - natural alternative to dimethicone**Natura-Tec Abysoft** - innovative multifunctional ingredient**CosmoSurf DDG-20** - naturally derived, biodegradable film-forming**Massocare PHS** - polymeric pigment dispersant (oil soluble)**TTC-30N** - maximizes SPF efficacy while improving the unpleasant texture feel of ultrafine TO2 without trade-off**Xperse 102** - natural ZnO oil-dispersion**SUPPLIERS**

(1) Sinerga - (2) Cial. Química Massó - (3) Natura-Tec - (4) Surfatech - (5) BTSA - (6) KLK Oleo - (7) Iff - (8) Miyoshi - (9) Everzinc - (10) Arxada - (11) CPL Aromas

**ADDITIONAL DATA****LumiSizer** (50°C - 1 month - 500 g) : conforms**Challenge test** (ISO 11930) : --**Natural Origin %** (ISO 16128) : 98,3%