


**SPF 30 MINERAL SUNSCREEN**
**FORMULATION: BC-37-43-G**

Ingredient	Product Type	Market Focus	Function	Skin Types	Method	Snap Shot
	Cream/Lotion	Sun Care	Moisturization Anti-Aging Sun protection	All	Modified hot process	Water resistant mineral sunscreen

**Key Ingredients**

Trade Name	INCI Name	Wt%
<b>PHASE A</b>		
Cetiol CC	Dicaprylyl Carbonate	14.00
Granlux TGL-50	Titanium Dioxide (and) Caprylic/Capric Triglyceride (and) Polyglyceryl-2 Dipolyhydroxystearate (and) Polyglyceryl-3 Diisostearate (and) Stearic Acid (and) Aluminum Hydroxide	9.00
Zinclear IM50CCT	Zinc Oxide, Caprylic/Capric Triglyceride, Glyceryl Isostearate, Polyhydroxystearic Acid	20.00
Campo Monoi	Cocos Nucifera (and) Oil, Gardenia Taitensis Flower	2.00
Campo Coffee Oil	Coffea Arabica (Coffee) Seed Oil	2.00
DL Lotus Floral Wax	Nucifera Nelumbo Leaf Wax	1.00
Beeswax	Beeswax	2.00
Cetyl Alcohol	Cetyl Alcohol	2.00
<b>PHASE B</b>		
<b>Hydresia SF2 (Botaneco)</b>	<b><i>Carthamus Tinctorius</i> (Safflower) Oleosomes + Water</b>	<b>20.00</b>
<b>PHASE C</b>		
Water	Water	21.70
Glycerin	Glycerin	5.00
Preservative		0.80
<b>PHASE D</b>		
Citric Acid, 25%	Citric Acid	0.50

**Procedure**

1. Weigh together Phase A and begin heating with prop mixing to 75-85°C. When uniform, cool to 55-60°C.
2. Add Phase B and maintain temperature at 55-60°C. In a separate vessel, weigh ingredients to Phase C.
3. Adjust pH of Phase C with Phase D to 7.0-7.5. Heat Phase C/D to 55-60°C and slowly add to Phase A/B.
4. The addition should take 20 minutes. Homogenize at 3000 rpm for 1 minute (lab scale). Cool to room temperature while mixing with side scraper.

**Sales & Technical Support**

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