FORMULATIONS

Mineral SPF 25 #AN-002-041-A

	Trade Name	INCI Name	%	Supplier
A	DI Water	Water (Aqua)	QS	
	Sensiva PA 20	Phenethyl Alcohol, Ethylhexylglycerin	1.0	Schülke/Ross
	Glycerin	Glycerin	2.0	–
	Cosphaderm Propanediol Natural	Propanediol	2.0	Cosphatec/Ross
	Cosphaderm X 34	Xanthan Gum	0.5	Cosphatec/Ross
B	Z-Cote LSA UC	Zinc Oxide	20.0	BASF/Ross
	Myritol 331	Cocoglycerides	10.0	BASF/Ross
	Floramac 10	Ethyl Macadamiate	5.0	Floratech/Ross
	Campo Elaeis Fruit Oil	Elaeis Fruit Oil (and) Tetradecanoic (and) Isopropyl Ester	5.0	Campo/Ross
	Eumulgin SG	Sodium Stearoyl Glutamate	1.0	BASF/Ross
	Emulsun	Hydrogenated Sunflower Seed Oil Polyglyceryl-3 Esters (and) Hydrogenated Sunflower Seed Oil Glyceryl Esters (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate	3.0	Floratech/Ross
C	Cosphaderm T-70 NON GMO ECO	Tocopherol (and) Helianthus Annuus (Sunflower) Seed Oil	0.2	Cosphatec/Ross
	Myrtle-Olive Oleoactif	Olea Europaea Fruit Oil (and) Myrtus Opuntia Ficus-Indica Flower Extract (and) Camelina Sativa Seed Oil	1.0	Hallstar/Ross
	CP Oat Avenanthramide Extract	Avena sativa (Oat) Kernel Extract, Water, Glycerin, Potassium sorbate	0.5	Ceapro/Ross
	LightWaves Defense [JS+M] (S-Gly)	Glycerin (and) Jasminum Sambac Leaf Cell Extract	0.5	Naolys/Ross
	BioScent Geranium Oil	Pelargonium Graveolens Flower Oil	0.2	BioOrganic Concepts/Ross
D	Citric Acid 50% Soln	Water (Aqua) and Citric Acid	QS	

PROCEDURE

1. Add phase A ingredients one by one. Mix well after each addition. Heat to 75°C
2. Premix phase B ingredients and heat to 75°C. Once both phases at 75°C, add phase B to phase A and mix well. Homogenize until smooth and uniform. Slowly cool down to 40°C.
3. Add phase C ingredients one by one to the main batch and mix well.
4. Adjust the pH to 7.0 – 7.5

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SPECIFICATIONS

pH:	@25°C: 57.4
viscosity:	@25°C (LVT Spindle T-E @3 rpm, 1 min): 85,800 cps
appearance:	Opaque Viscous Liquid
color:	White
odor:	Herbal
stability:	Product was stable for 3 months in 40°C, 2 weeks in 50°C and 3 cycles of freeze thaw.

FEATURES AT A GLANCE

#natural
#broad spectrum
#gentle
#blue light protection

FEATURES AND BENEFITS

This is a natural broad spectrum sunscreen formula that is safe and gentle especially for sensitive skin. Besides the sun protection from Z-cote LSA UC, the use of Myrtle-Olive Oléoactif and LightWaves Defense [JS+M] also provides anti-aging, UV & blue light and DNA protection for the skin. The combination of different polarity emollients reduces the whiteness effect leaving the skin feeling smooth, soft and non-greasy.

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