



SPF 30 MINERAL SUNSCREEN with FeruliShield™ Coconut



Phase	Ingredients	INCI	Supplier	Function	%
A	Water	Water	-	Solvent	To 100
	EDTA	Disodium EDTA	-	Chelating Agent	0.05
	Omyaskin 100-OG	Hydroxyapatite (and) Calcium Carbonate	Omya	SPF Booster	3.0
	Propanediol	Propanediol	-	Solvent, Humectant	4.0
B	Aristoflex AVC	Ammonium Acryloyldimethyltaurate/VP Copolymer	Clariant	Thickener	1.0
C	Olivem 1000	Cetearyl Olivatate and Sorbitan Olivatate	Hallstar	Emulsifier	3.0
	Ceteareth-25	Ceteareth-25	-	Emulsifier	3.0
	Phenyl Trimethicone	Phenyl Trimethicone	-	Silicone	5.0
	Sheer Sperse® Natural 80C	Zinc Oxide (and) Caprylic/Capric Triglyceride (and) Polyhydroxystearic Acid	VIZOR	UV Filter	16.25
	FeruliShield™ Coconut	Coconut Oil Ethyl Ferulate Esters	McKinley Resources	SPF Booster	0.75
	VP/Hexadecene Copolymer	VP/Hexadecene Copolymer	-	Film Former	1.0
D	Polycrylene	Polyester-8	-	Film Former	1.25
	DM6	Dimethicone	-	Silicone	3.0
E	PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	-	Preservative	1.0
	Sepiplus 400	Polyacrylate-13 (and) Polyisobutene (and) Polysorbate 20	SEPPIC	Thickener	0.85

Date: 9/30/2024

Viscosity: 75,000cP spindle #T-F @ 12 RPM
In-Vivo SPF ~ 34.76



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PROCEDURE

1. Combine ingredients in phase A, Slowly disperse Omyaskin into the main batch under propellor mixing. Continue to mix until no clumps remain then slowly add remaining ingredients. Once homogeneous, heat to 75–80°C.
2. Slowly add Phase B ingredients and continue heating to 75–80°C.
3. Premix phase C and heat to 75–80°C. Slowly add to the main batch and mix until homogeneous. Cool to 60°C
4. Once below 60°C, add ingredients in phase D one by one and mix until uniform. Cool to 40°C.
5. Once below 40°C, add ingredients in phase E one by one and mix until uniform. Cool to room temperature.
6. Adjust pH to 7.0–7.5 using a 50% to Sodium Hydroxide.

DESCRIPTION

Sheer Defense SPF 30 Mineral Sunscreen: Lightweight & Reef-Safe. This weightless mineral sunscreen provides broad-spectrum SPF 30 protection with a sheer, invisible finish.

- Non-Nano Zinc Oxide: Mineral sunscreen ingredient that effectively shields skin from UVA and UVB rays without leaving a white cast.
- Coconut Oil Ethyl Ferulate Esters: Derived from coconut oil, this natural ingredient helps filter UV rays and provides antioxidant benefits.

This reef-safe sunscreen is perfect for all skin types, including sensitive skin, who desire: Broad spectrum sun protection without the white cast, lightweight, comfortable wear, and protection from damaging sun rays and free radicals.

MCKINLEY FORMULA DEVELOPED BY THE CHARISMATIC CHEMIST



THE CHARISMATIC
CHEMIST

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