

All-inorganic Liquid Foundation Sunscreen

24865



Phase	%	Tradename	INCI	Supplier	Function
A	39.16		Water		Solvent
B	10.0	ZEMEA	Propanediol	CovationBIO	Moisturization and more
B	1.0	Zeastat	Caprylhydroxamic Acid, Propanediol	Inolex	Preservative
B	0.1	Tris Amino Ultra PC	Tromethamine	Advancion	pH adjustment, buffer
C	26.0	Citropol 1A	Polycitronellol Acetate	P2 Science	Emollient
C	2.3	FeruliShield Coconut	Coconut Oil Ethyl Ferulate Esters	Midwest Bioprocessing Center	Antioxidant, SPF booster
C	1.0	Cithrol PGL	Tri (Polyglyceryl-3/Lauryl) Hydrogenated Trilinoleate	Croda	Emulsifier
C	1.0	Cosmosurf DDG-20	Bis-Octyldodecyl Dimer Dilinoleate/ Propanediol Copolymer	SurfaTech	Dispersant, film former
C	0.5	Span 20	Sorbitan Laurate	Croda	Wetting agent
D	10.0	MT-700Z	Titanium Dioxide, Aluminum Hydroxide, Stearic acid	MIFI Bioceuticals	Sunscreen, pigment
D	5.0	MT-150EX	Titanium Dioxide, Aluminum Hydroxide, Isostearic Acid	MIFI Bioceuticals	Sheer pigment
D	2.0	SOLESPHERE H-33	Silica	AGC	Aesthetic enhancer, SPF booster
D	1.42	Yellow iron oxide	Iron oxides	Color Techniques	Color
D	0.38	Red iron oxide	Iron oxides	Color Techniques	Color
D	0.14	Black iron oxide	Iron oxides	Color Techniques	Color

Active ingredients: 10% Titanium Dioxide

Water, Polycitronellol Acetate, Propanediol, Titanium Dioxide, Coconut Oil Ethyl Ferulate Esters, Silica, Tri (Polyglyceryl-3/Lauryl) Hydrogenated Trilinoleate, Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer, Sorbitan Laurate, Tromethamine, Aluminum Hydroxide, Stearic Acid, Isostearic Acid, Iron Oxides

Procedure

1. Premix B then add to A stirring until uniform and smooth.
2. Premix C then add D with fast dispersion blade impeller stirring until uniform and smooth.
3. Add A/B to C/D slowly with fast dispersion blade impeller stirring until uniform and smooth.
4. Homogenize briefly.

Distinctives

- Uses mid-sized TiO₂ for SPF and opacity MT-700Z, eliminating the need for organic sunscreen actives
- Soft, powdery feel on the skin and SPF boosting from SOLESPHERE H-33
- **In-vivo SPF 32.7**