



KSL-491

All Zinc Natural Mousse Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
31.30	Deonized Water	Water	
1.00	Zemea®	Propanediol	Du Pont & Tate
1.00	Exilva FM 02-L	Water (And) Cellulose	Borregard
1.00	§UPEROL® KPO, GLYCERIN 99.7% USP/FCC (KOSHER)	Glycerin	P&G Chemicals
0.10	Keltrol® CG	Xanthan Gum	CP Kelco
Part 2			
30.00	GCP45XZJ	Caprylic/Capric Triglyceride (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
22.00	JOSP55XZJ	Zinc Oxide (And) Simmondsia Chinensis (Jojoba) Seed Oil (And) Polyhydroxystearic Acid (And) Jojoba Esters	Kobo Products
Part 3			
5.00	LexFeel™ N20 MB	Diheptyl Succinate (and) Capryloyl Glycerin/Sebacic Acid Copolymer	Inolex
2.50	SunBoost ATB Natural	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.50	Olivem® 1000	Cetearyl Olivatate and Sorbitan Olivatate	Hallstar
Part 4			
2.00	Matte Lite® TF6	Montmorillonite (and) Sucrose Distearate (and) Sucrose Stearate	MMP International
Part 5			
2.00	MSS-500/3H	Silica	Kobo Products
Part 6			
0.60	AE Preserve® PCG	Phenethylalcohol (And) Caprylhydroxamic Acid (And) Glycerin	AE Chemie
100.00			

Description:

An all Zinc natural origin mousse sunscreen with minimal whitening and easy application. Exilva FM 02-L adds extra firmness to the formulation to enhance the mousse-like texture. GCP45XZJ and JOSP55XZJ provide UVA and UVB protection. SunBoost ATB Natural is a proprietary ratio of three ingredients that boosts SPF and PFA. MSS-500/3H adds enhanced cushion, slip and spreadability on the skin.

Manufacturing Procedure:

1. Homogenize Part 1 until uniform then heat to 85-90°C and keep tightly covered.
2. Combine Parts 2 and 3. Heat to 85-90°C. Maintain temperature and homogenize Parts 2 and 3 until uniform. When uniform, add Part 4 to Parts 2 and 3. Continue homogenizing until smooth (about 10 minutes).
3. Add Parts 2, 3, and 4 to Part 1 under homogenizer higher shear (1500 rpm). Continue mixing for 3 minutes or until fully smooth. Remove from heat.
4. Sprinkle in Part 5. Homogenize until smooth.
5. Switch to propeller mixer- sweep blade at 40 rpm. Add Part 6 at 45°C. Continue mixing until 28°C.

Active Inaredient(s):

Zinc Oxide 24.04%

Testing:

SPF: in vivo on 5 subjects
CW: FDA method



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FORMULATIONS

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