

Natural Appearing Foundation with Transparent Iron Oxides

Formula KLF-049B

Kobo Products - formulations

Part	Percent	Ingredients	INCI Name	Supplier
1	4.80	X-22-6711D	Dimethicone (And) PEG/PPG-18/18 Dimethicone	Shin-Etsu Chemical Co.
	2.50	SS4267	Dimethicone (And) Trimethylsiloxysilicate	Momentive/Kobo Products
	2.30	Lexol® PG-865	Propylene Glycol Dicaprylate/Dicaprate	Inolex Chemical Company
	2.00	Salacos 99	Isononyl Isononanoate	Ikeda Corporation
	1.00	Ethyl Alcohol E1028	Ethyl Alcohol	Warner Graham
	1.00	LUCENTITE SAN-P	Quaternium-18 Hectorite	Kobo Products
	0.75	SF1555	Bis-Phenylpropyl Dimethicone	Momentive/Kobo Products
	0.50	KF-6017	PEG-10 Dimethicone	Shin Etsu
2	16.60	Element14 PDMS 5	Dimethicone	Momentive/Kobo Products
	9.40	TNP40VTTS	C12-15 Alkyl Benzoate (And) Titanium Dioxide (And) Alumina (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Triethoxycaprylylsilane	Kobo Products
	4.05	TNP55TRY	Iron Oxides (C.I. 77492) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	3.55	TNP55TRR	Iron Oxides (C.I. 77491) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid	Kobo Products
	2.10	SW65U	Synthetic Wax (And) Titanium Dioxide (And) Isopropyl Titanium Triisostearate	Kobo Products
	1.50	KF-6017	PEG-10 Dimethicone	Shin Etsu
	1.20	TNP80BNFSI	Iron Oxides (C.I. 77499) (And) C12-15 Alkyl Benzoate (And) Triethoxycaprylylsilane (And) Polyhydroxystearic Acid (And) Trihydroxystearin	Kobo Products
3	37.50	Deionized Water	Water	
	2.00	Butylene Glycol	Butylene Glycol	Ruger Chemical
	1.25	Glycerin U.S.P. Natural 96%	Glycerin	Univar USA Inc.
	1.00	Germaben® II	Propylene Glycol (And) Diazolidinyl Urea (And) Methylparaben (And) Propylparaben	ISP
	1.00	Sodium Chloride	Sodium Chloride	Morton Salt
	0.50	Jeecide CAP-5	Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol	Jeen International
	0.50	Tween™ 20	Polysorbate 20	Croda
4	3.00	MSS-500W	Silica	Kobo Products

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Manufacturing Procedure

1. Homogenize all ingredients of Part 1 until fully dispersed. Homogenize at least 20 minutes at 3000 RPM.
2. Add Part 2 to dispersed Part 1 at room temperature. Homogenize for 15 minutes.
3. Slowly add Part 3 to dispersed Parts 1 and 2 at room temperature and homogenize until dispersed.
4. Add Part 4 with homogenization.

Description

This non-whitening SPF foundation contains Kobo's transparent Iron Oxide Dispersions, TNP55TRR and TNP55TRY, which have a high tint strength without coverage. Kobo's Pigmentary Dispersions, TNP80BNFSI (black iron oxide) and SW65U (Titanium Dioxide), help to give the shade and slight coverage. TNP40VTTS, Kobo's Attenuation Grade Dispersion, gives SPF protection. MSS-500W spherical silica gives slip during application and reduces shine on the skin. Lucentite SAN-P gives thickness to the formula. SF1555 and Element14 PDMS 5 give slip to the formula during application and SS4267 helps with wear.

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Formulations

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The Powder & Dispersion Specialist

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