

Longwear Matte Foundation

Formula composition:

GDS260921FD-1

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	ES-5300	LAURYL PEG-10 TRIS(TRIMETHYLSILOXY)SILYLETHYL DIMETHICONE	3.00		Emulsifier
2		5225C	CYCLOPENTASILOXANE, PEG/PPG-18/18 DIMETHICONE	5.00		Emulsifier
3		KF995	CYCLOPENTASILOXANE	0.50		Emollient
4		SF-906(5)	DIMETHICONE	6.00		Emollient
5		GDSOft 56A	PHENYL METHICONE	1.00		Emollient
6		222	DIISOSTEARYL MALATE	0.50		Emollient
7		SF-942A	CAPRYLYL METHICONE	6.00		Emollient
8	B	GDSOft 721	DIMETHICONE, DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	4.00	GREENZN	Emollient
9		BENTONE GEL® VS-5 PC V HV	CYCLOPENTASILOXANE, DISTEARDIMONIUM HECTORITE, PROPYLENE CARBONATE	5.00		Thickener
10		R974	SILICA DIMETHYL SILYLATE	0.50		Anti-caking Agent

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
11	C	KF-6106	POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHYL DIMETHICONE	0.50		Pigment Dispersant
12		GDPearl SC 135DM	SILICA, METHICONE	2.00		Filler
13		KF995	CYCLOPENTASILOXANE	5.50		Emollient
14		GDPearl EM 05AS	MICA, TRIETHOXYCAPRYLYLSILANE	2.45	GREENZN	Filler
15		GDPearl CR 50TMS	CI 77891, ALUMINUM HYDROXIDE, TRIMETHYLSILOXYSILICATE	12.00	GREENZN	Colorant
16		GDPearl IY 32AS	CI 77492, TRIETHOXYCAPRYLYLSILANE	1.20		Colorant
17		GDPearl IR 75AS	CI 77491, TRIETHOXYCAPRYLYLSILANE	0.25		Colorant
18		GDPearl IB 33AS	CI 77499, TRIETHOXYCAPRYLYLSILANE	0.10		Colorant
19	D	Water	WATER	36.85		Solvent
20		Butylene Glycol	BUTYLENE GLYCOL	3.00		Humectant
21		Glycerin	GLYCERIN	3.00		Humectant
22		Magnesium Sulfate	MAGNESIUM SULFATE	0.80		Emulsion Stabilizer
23		CPS	CHLORPHENESIN	0.05		Preservative
24	E	PH91	PHENOXYETHANOL, ETHYLHEXYLGLYCERIN	0.60		Preservative
25	F	SLA1170	PARFUM	0.20		Parfum

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Process:

1. Add Phase A raw materials into a beaker in sequence, heat in a water bath to 68–70°C and stir until homogeneous.
2. Weigh Phase B components in order, add into Phase A and stir until homogeneous.
3. Weigh Phase C raw materials, grind three times with a three-roll mill, then add into the AB mixture. Stir well first, then homogenize once at medium-high speed. Scrape the residual material on the beaker wall into the beaker and homogenize again once until the oil phase is uniform.
4. Weigh Phase D raw materials, heat in a water bath to 60°C and stir until fully dissolved.
5. Keep the water phase and oil phase at 80°C under heat preservation. Stir the oil phase at medium-high speed, slowly add the water phase dropwise into the oil phase. After water phase addition is completed, homogenize for 3 minutes and stir well.
6. Cool down to 40°C, add Phase E and Phase F, then homogenize and stir until homogeneous.

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