

Water Tone Foundation

Formula composition:

XYDW26062601

No.	Phase	Trade name	INCI	%	Supplier	Note
1	A	Z-Emuslix PI-100F	C20-22 ALKYL PHOSPHATE, CETEARYL ALCOHOL, PEG-100 STEARATE, GLYCERYL STEARATE, SILICA, ISONONYL ISONONANOATE	4.00	GREENZN	Emulsifier
2		GTB	TRIBEHENIN	1.00		Emollient
3		TEGOSOFT G20	OCTYLDODECANOL	3.00		Emollient
4		KF-56A	PHENYL DIMETHICONE	5.00		Film former
5		DISM	DIISOSTEARYL MALATE	5.00		Dispersing
6		GDResin AquaFuse PG	ACRYLATES/OCTYLACRYLAMIDE COPOLYMER, POLYURETHANE-1, OCTYLDODECANOL, PENTYLENE GLYCOL	3.00	GREENZN	Film former
7	B	LANOL 37T	TRIHEPTANOIN	3.50		Emollient
8		Ti-02SG	CI77891, SODIUM STEAROYL GLUTAMATE, ALUMINUM HYDROXIDE	8.00		Colouring agent
9		YP-75SG	CI77492, SODIUM STEAROYL GLUTAMATE, ALUMINUM HYDROXIDE	0.36		Colouring agent

Disclaimer:

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No.	Phase	Trade name	INCI	%	Supplier	Note
10	B	RP-29SG	CI77491, SODIUM STEAROYL GLUTAMATE, ALUMINUM HYDROXIDE	0.10		Colouring agent
11		BP-50SG	CI77499, SODIUM STEAROYL GLUTAMATE, ALUMINUM HYDROXIDE	0.02		Colouring agent
12	C	Water	WATER	57.22		Solvent
13		1,3-Butylene glycol	1,3-BUTANEDIOL	5.00		Moisturising
14		Glycerin	GLYCERIN	2.00		Moisturising
15		Arocos-RK	RASPBERRY KETONE	0.50		Preservative
16		AroHydro-H	1,2-HEXANEDIOL	0.50		Preservative/Moisturising
17		Pemulen TR-1 Polymeric Emulsifier	ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	0.35		Thickner
18		AMP-ULTRA PC 2000	AMINOMETHYL PROPANOL	0.40		pH adjuster
19	D	SIMULGEL™ 600	ACRYLAMIDE/SODIUM ACRYLOYLDIMETHYLTAURATE COPOLYMER, ISOHEXADECANE, POLYSORBATE 80, WATER, SORBITAN OLEATE	1.00		Thickner
20	E	86317669	PARRFUM	0.05		Parfum

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Process:

1. Phase A is heated to 80°C and then stirred to achieve uniform dispersion.
2. Phase B is first ground into a uniform pigment slurry using a three-roll mill, then added to Phase A+B and kept at 80°C for 80 minutes. Stirring and homogenization are carried out until the AB phases are uniformly mixed.
3. Phase C is heated to 50°C and stirred evenly. Then heated to 80°C.
4. While stirring, the AB mixed phase is added to the C mixed phase. Stirring is continued until the mixture is uniformly mixed. First, low-speed homogenization is performed, and then high-speed homogenization is continued until emulsification is completed.
5. Cool down to 35°C, add Phase D for 3 minutes of homogenization, stir evenly, and after passing the inspection, the product is discharged.

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