

Formula Name : Self Purify Fluid

Lot.No.49-SBB-1

(NIKKOL Nikkomulose 41: 2.0%, NIKKOL Zinc-Glycine Complex: 1.0%)

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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
A				
Behenyl Alcohol,Polyglyceryl-10 Pentastearate,Sodium Stearoyl Lactylate	NIKKOL Nikkomulose 41	Emulsifier	NIKKO CHEMICALS	2.0000
Ethylhexyl Palmitate	NIKKOL IOP	Emollient agent	NIKKO CHEMICALS	2.0000
Caprylic/Capric Triglyceride	NIKKOL Triester F-810	Emollient agent	NIKKO CHEMICALS	5.0000
Ethylhexylglycerin,Glyceryl Caprylate	NIKKOL Nikkoguard 88	Antimicrobial agent	NIKKO CHEMICALS	0.5000
Ceramide NP	DS-CERAMIDE Y30	Moisturizer, Anti-skin roughening, Anti-aging	Doosan	0.5000
B				
Propanediol		Moisturizer		7.0000
HDI/Trimethylol Hexyllactone Crosspolymer,Silica	D-400	Texturizer	Toshiki Pigment	2.0000
C				
Water				36.5000
Lysolecithin	LPA	Anti-skin roughening, Moisturizer	NIKKO CHEMICALS	0.1000
Disodium EDTA		Chelating agent		0.1000
Xanthan Gum,Water	(2%aq.)	Thickener		10.0000
Polyacrylate Crosspolymer-6,Water	SEPIMAX ZEN (2% aq.)	Thickener	SEPPIC	15.0000
D				
Zinc Glycinate	NIKKOL Zinc-Glycine Complex	Whitening, Anti-wrinkle, Antioxidant	NIKKO CHEMICALS	1.0000
Aspartic Acid		Dissolving aid		0.2000
Water				10.0000
E				
Water,Ergothioneine	THIOTAINE	Antioxidant, Anti-inflammatory, Whitening, Anti-wrinkle	Barnet Products	1.0000
Water				5.0000
F				
Polyglyceryl-10 Laurate,Glycerin,Dimethicone,Water	NIKKOL NET-813-1	Emollient agent, Texturizer	NIKKO CHEMICALS	2.0000
G				
Fragrance				0.1000
			Total	100.0000
Procedure				
1. Disperse B at room temperature, and then add B to C.				
2. Dissolve D completely by heating.				
3. Heat A, B+C up to 80°C respectively, and mix until uniform.				
4. While stirring B+C by homogenizer, add A into B+C gradually and emulsify at 80°C for a certain period of time.				
5. Cool down to below 40°C with mixing, then add D, E, F and G respectively, and mix well until uniform.				
6. Cool down to 35°C with mixing.				
Physical Properties			Stability	
			· RT, 45°C, 5°C : Confirmed for 3 months	
			· 50°C, -5°C, Cycle(-5⇄45°C) : Confirmed for 1 month	

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We do not guarantee the stability of the final products of formulations in this brochure though the stability was checked under certain conditions.

We do not guarantee the preservation property of this formulation as we do have not checked it.

We do not guarantee that this formulation does not conflict with any patent.

It is users' responsibility to determine the suitability for their own use of the formulation.