

Formula Name : Waterproof Mineral UV Milk

Lot.No.61-CAC-61

(NIKKOL Nikkomulose 41S: 2.5%)

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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
A				
Behenyl Alcohol, Polyglyceryl-10 Pentastearate, Sodium Stearoyl Lactylate	NIKKOL Nikkomulose 41S	Emulsifier	NIKKO CHEMICALS	2.5000
Titanium Dioxide, Aluminum Hydroxide, Coco-Caprylate/Caprate, Polyhydroxystearic Acid	CCP50TIJ	UV filter	KOBO Dispatek	28.0000
Zinc Oxide, Coco-Caprylate/Caprate, Polyhydroxystearic Acid	UV Cut ZnO-65-CC	UV filter	GRANT INDUSTRIES	10.0000
Glyceryl Undecylenate	NIKKOL MGU	Antimicrobial agent	NIKKO CHEMICALS	0.5000
Calcium Carbonate	LDR CA	Texturizer	Toshiki Pigment	1.0000
Batyl Alcohol	NIKKOL Batyl Alcohol EX	Emulsifier, Anti-inflammatory	NIKKO CHEMICALS	0.5000
Polyhydroxystearic Acid		Dispersant		0.1000
B				
Propanediol		Moisturizer		7.0000
Gellan Gum	KELCOGEL HM	Thickener	CP Kelco	0.0500
Xanthan Gum, Water	(2% aq.)	Thickener		10.0000
Tamarindus Indica Seed Gum, Glucose	GLYLOID 6C	Thickener	CP Kelco	0.2000
Sodium Methyl Stearoyl Taurate	NIKKOL SMT	Emulsifier	NIKKO CHEMICALS	1.5000
Water				34.8500
C				
Butylene Glycol, Water, Rhodomyrtus Tomentosa Fruit Extract	ROSE MYRTLE EXTRACT (B)-BG80	Antioxidant, Anti-aging	Maruzen Pharmaceuticals	1.0000
Ergothioneine, Mannitol	IntenCfy	Brightening	Barnet Products	0.2000
Water, Glycerin, Opuntia Ficus-Indica Fruit Extract, Saccharomyces Cerevisiae Extract	Nopalex	Anti-aging	Barnet Products	1.0000
Water				1.5000
D				
Fragrance		Fragrance		0.1000
			Total	100.0000
Procedure				
1. Heat A and B to 80°C separately and mix until uniform.				
2. While stirring B by homogenizer, add A into B gradually and emulsify at 80°C for a certain period of time.				
3. Cool down to 35°C while stirring, then add C and D into A+B and mix until uniform.				
Physical Properties			Stability	
Initial viscosity (B type Viscometer, No.4 6rpm, 30sec.): 10000 ~ 30000 mPa · s			on going	
pH (bulk): 8.3 ~ 9.3				

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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 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.