

Formula Name : Body Sunscreen Lotion

Lot.No.42-CWS-12

(NIKKOL NIKKOMIX CW: 3.0%)

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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
A				
(Please contact us)	NIKKOL NIKKOMIX CW	Emulsifier	NIKKO CHEMICALS	3.0000
Ethylhexyl Methoxycinnamate	Uvinul MC80	UV filter	BASF	7.5000
Ethylhexyl Salicylate	PARSOL EHS	UV filter	DSM	5.0000
Octocrylene	Eusolex OCR	UV filter	MERCK	3.0000
Tocopherol		Antioxidant		0.1000
B				
Water				33.5000
Butylene Glycol		Moisturizer		5.0000
Carbomer, Water	TC-CARBOMER 381 (2% aq.)	Thickener	Guangzhou Tinci Materials Technology	30.0000
Sodium Methyl Cocoyl Taurate, Water	NIKKOL CMT-30	Emulsifier	NIKKO CHEMICALS	0.3000
Phenoxyethanol		Antimicrobial agent		0.4000
C				
Potassium Hydroxide, Water	(10% aq.)	Neutralizer		1.2000
Methyl Methacrylate Crosspolymer, HDI/Trimethylol Hexyllactone Crosspolymer	UP-611	Texturizer, Functional powder	Toshiki Pigment	3.0000
Water				5.0000
D				
Prunus Mume Fruit Extract, Butylene Glycol, Water	UME EXTRACT (B)-BG	Anti-aging	Maruzen Pharmaceuticals	2.0000
Water				1.0000
			Total	100.0000
Procedure				
1. Stir each phase separately until uniform at room temperature.				
2. While stirring A by paddle-mixer, add B into A gradually and emulsify for a certain period of time.				
3. Add C and D separately into A+B and mix until uniform.				
Physical Properties			Stability	
Initial viscosity (B type Viscometer, No.4 6rpm, 30sec.): 12100 mPa · s			· RT, 45°C, 5°C: Confirmed for 3 months	
pH (bulk): 5.1			· 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 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.