

Formula Name : Aqua Touch Cheek Gel

Lot.No.44-CAA-12S

(NIKKOL Nikkomulse 41S: 2.0%)



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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
A				
Behenyl Alcohol,Polyglyceryl-10 Pentastearate,Sodium Stearoyl Lactylate	NIKKOL Nikkomulse 41S	Emulsifier	NIKKO CHEMICALS	2.0000
Ethylhexylglycerin,Glyceryl Caprylate	NIKKOL Nikkoguard 88	Antimicrobial agent	NIKKO CHEMICALS	0.5000
Diisostearyl Malate	NIKKOL DISM	Emollient agent	NIKKO CHEMICALS	5.0000
Tocopherol		Antioxidant		0.1000
B				
Xanthan Gum,Water	(2%aq.)	Thickener		2.5000
Citric Acid		pH adjuster		0.0200
Sodium Citrate		pH adjuster		0.1000
Disodium EDTA		Chelating agent		0.0500
Water				66.5300
Hydrolyzed Hyaluronic Acid	Hyalo-Oligo	Moisturizer, Anti-aging	Kewpie	0.1000
Methyl Methacrylate Crosspolymer,HDI/Trimethylol Hexyllactone Crosspolymer	UP-611	Texturizer, Functional powder	Toshiki Pigment	3.0000
C				
Plankton Extract,Lecithin,Water	Photosomes V	Anti-aging	Barnet Products	1.0000
Lecithin,Micrococcus Lysate,Water	ULTRASOMES V	Anti-aging	Barnet Products	1.0000
D				
Propanediol		Moisturizer		9.0000
Sodium Acrylates Crosspolymer-2	ARON NT-Z	Texturizer	NIKKO CHEMICALS	5.4000
Iron Oxides,Butylene Glycol,Water,Polyquaternium-7	BG60GRQ	Inorganic pigment	KOBO Products	0.4000
Iron Oxides,Butylene Glycol,Water,Polyquaternium-7	BG45GYQ	Inorganic pigment	KOBO Products	0.1000
Titanium Dioxide,Butylene Glycol,Water,Alumina,Silica,Polyquaternium-7	BG60PFCQ	Inorganic pigment	KOBO Products	3.0000
E				
Fragrance		Fragrance		0.2000
			Total	100.0000
Procedure				
1. Heat A and B to 80°C respectively, and mix until uniform.				
2. Disperse D until uniform.				
3. While stirring B by homogenizer, add A into B gradually and emulsify at 80°C for a certain period of time.				
4. Cool down to 35°C while stirring, and then add C, D, and E into A+B and mix by paddle-mixer until uniform.				
Physical Properties			Stability	
Initial viscosity (B type Viscometer, No.4 3rpm, 30sec.) : 200000 mPa · s			· RT, 45°C, 5°C : Confirmed for 3 months	
pH(bulk) : 5.5			· 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.