

Formula Name : All-in-One

Lot.No.52-VSG-29

(NIKKOL Nikkomulose LH: 3.0%)

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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
A				
Water				48.7500
Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	SEPINOV EMT 10	Thickener	SEPPIC	0.8000
Propanediol		Moisturizer		5.0000
Water, Glycerin, Lonicera Japonica (Honeysuckle) Flower Extract, Illicium Verum (Anise) Fruit Extract, Usnea Barbata (Lichen) Extract, Ocimum Basilicum (Basil) Flower/Leaf Extract	NIKKOGUARD NATURAL	Antimicrobial agent	NIKKO CHEMICALS	0.5000
Water, Citric Acid	(10% aq.)	pH adjuster		1.0000
Water, Sodium Citrate	(10% aq.)	pH adjuster		0.8000
Disodium EDTA		Chelating agent		0.0500
B				
Water				30.0000
Glycerin, Hydrogenated Lecithin, Hydroxypropyl Methylcellulose Stearoxy Ether, Squalane, Sodium Methyl Stearoyl Taurate	NIKKOL Nikkomulose LH	Emulsifier, Thickener	NIKKO CHEMICALS	3.0000
Glycerin		Moisturizer		3.0000
C				
Propylene Glycol Caprylate	NIKKOL Sefsol-218	Antifoaming agent, Emollient agent	NIKKO CHEMICALS	3.0000
Elaeis Oleifera Fruit Oil	NIKKOL VIRGIN OJON OIL	Colorant	NIKKO CHEMICALS	0.5000
Cetearyl Alcohol		Viscosity modifier, Stabilizer		1.0000
Tocopherol		Antioxidant		0.1000
Ascorbyl Tetraisopalmitate	NIKKOL VC-IPV	Anti-aging, Brightening	NIKKO CHEMICALS	1.0000
Ethyl Linoleate	NIKKOL VF-LINOV	Brightening	NIKKO CHEMICALS	1.0000
D				
Citrus Aurantium Dulcis (Orange) Oil		Fragrance		0.5000
			Total	100.0000
Procedure				
1. For B, mix NIKKOL Nikkomulose LH and water by paddle-mixer for 30 minutes to swell, then add other ingredients and mix until uniform.				
2. Add A into B and mix until uniform.				
3. Heat A+B and C to 80°C separately and mix until uniform.				
4. While stirring A+B by homogenizer, add C into A+B gradually and emulsify at 80°C for a certain period of time.				
5. Cool down to 35°C while stirring, then add D into A-C and mix until uniform.				
Physical Properties			Stability	
Initial viscosity (B type Viscometer, No.4 12rpm, 30sec.): 9920 mPa · s			• RT, 45°C, 5°C: Confirmed for 3 months	
pH (bulk): 4.6			• 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.