

Formula Name : VC Repair Hair Gel

Lot.No.51-CHG-1

(NIKKOL Nikkomulse LH: 5.0%)



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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
A				
Ascorbyl Tetraisopalmitate	NIKKOL VC-IP	Conditioning agent	NIKKO CHEMICALS	0.5000
Methylheptyl Laurate	NIKKOL GS-MHL	Emollient agent	NIKKO CHEMICALS	5.0000
Simmondsia Chinensis (Jojoba) Seed Oil	NIKKOL Jojoba Oil S	Emollient agent	NIKKO CHEMICALS	1.0000
Phenyl Trimethicone	DOWSIL SH 556 FLUID	Emollient agent	Dow	3.0000
Glyceryl Stearate	NIKKOL MGS-BV2	Emulsifier	NIKKO CHEMICALS	0.5000
Tocopherol		Antioxidant		0.2000
B				
Glycerin, Hydrogenated Lecithin, Hydroxypropyl Methylcellulose Stearoyl Ether, Squalane, Sodium Methyl Stearoyl Taurate	NIKKOL Nikkomulse LH	Emulsifier, Thickener	NIKKO CHEMICALS	5.0000
Butylene Glycol		Moisturizer		7.0000
Disodium EDTA		Chelating agent		0.0500
Water, Citric Acid	(1% aq.)	pH adjuster		4.0000
Water, Sodium Citrate	(1% aq.)	pH adjuster		6.0000
Phenoxyethanol		Antimicrobial agent		0.4000
Water				61.2500
C				
Prunus Persica (Peach) Leaf Extract, Butylene Glycol, Water	PEACH LEAF EXTRACT BG30-06(YAMANASHI)	Anti-skin roughening, Conditioning agent	Maruzen Pharmaceuticals	1.0000
Water				5.0000
D				
Fragrance				0.1000
			Total	100.0000
Procedure				
1. For B, mix NIKKOL Nikkomulse LH and water by paddle mixer for 30 minutes to swell, and then add other ingredients and mix until uniform.				
2. Heat A and B to 80°C respectively, and mix until uniform. *Add NIKKOL VC-IP into A right before emulsification (After A reaches to 80°C).				
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 40°C while stirring, and then add C, D respectively into A+B and cool down to 35°C while stirring.				
Physical Properties			Stability	
Initial viscosity (B type Viscometer, No.3 6rpm, 30sec.) : 17000 ~ 20000 mPa · s			on going	
pH(bulk) : 4.8 ~ 5.0				

20211217-2

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.