

**Formula Name : Gel Foundation**

Lot.No.42-CSL-14

(NIKKOL Nikkomulose LH: 4.0%)

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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
<b>A</b>				
Glycerin, Hydrogenated Lecithin, Hydroxypropyl Methylcellulose Stearoyl Ether, Squalane, Sodium Methyl Stearoyl Taurate	NIKKOL Nikkomulose LH	Emulsifier, Thickener	NIKKO CHEMICALS	4.0000
Glycerin		Moisturizer		5.0000
Water				10.0000
<b>B</b>				
Water, Cellulose, Disodium Phosphate, Phenoxyethanol	AUROVISCO™ CS	Thickener, Stabilizer	NIKKO CHEMICALS	10.0000
Propanediol		Moisturizer		5.0000
Phenoxyethanol		Antimicrobial agent		0.4000
Water				24.3000
<b>C</b>				
Cetyl Ethylhexanoate	NIKKOL SG-CIO	Emollient agent	NIKKO CHEMICALS	8.0000
Squalane	NIKKOL Sugar Squalane	Emollient agent	NIKKO CHEMICALS	5.0000
Dimethicone	KF-96A-6cs	Emollient agent	Shin-Etsu Chemical	3.0000
<b>D</b>				
Titanium Dioxide, Alumina, Silica	SYMPHOLIGHT WW-E	Inorganic pigment	JGC Catalysts and Chemicals Ltd.	12.1800
Iron Oxides, Silica	SYMPHOLIGHT RW-TE	Inorganic pigment	JGC Catalysts and Chemicals Ltd.	0.2800
Iron Oxides, Silica	SYMPHOLIGHT YW-TE	Inorganic pigment	JGC Catalysts and Chemicals Ltd.	1.4000
Iron Oxides, Silica	SYMPHOLIGHT BW-TE	Inorganic pigment	JGC Catalysts and Chemicals Ltd.	0.1400
Polyglyceryl-10 Laurate	NIKKOL Decaglyn 1-L	Dispersant	NIKKO CHEMICALS	0.3000
Butylene Glycol		Moisturizer		6.0000
<b>E</b>				
Water				5.0000
			Total	100.0000
<b>Procedure</b>				
1. Mix A with paddle-mixer for 30minutes to swell Nikkomulose LH completely.				
2. Mix B with disperser mixer to disperse AUROVISCO™ CS completely.				
3. Grind D with triple-roll mill then add E into D and mix well until uniform.				
4. Add B into A and mix well until uniform then heat up A+B and C to 80°C respectively.				
5. While mixing A+B, add C into A+B and emulsify with disperser mixer at 80°C.				
6. Cool it down until 35°C, add D+E into A+B+C then mix well until uniform.				
<b>Physical Properties</b>			<b>Stability</b>	
Initial viscosity (B type Viscometer, No.4 6rpm, 30sec.) : 47400 mPa · s			· RT, 45°C, 5°C : Confirmed for 3 months	
pH(bulk) : 6.6			· 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 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.