

Formula Name : Men's Barrier Serum

Lot.No.27-MCM-29

(NIKKOL Lecinol S-10: 0.8%)

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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
A				
Hydrogenated Lecithin	NIKKOL Lecinol S-10	Emulsifier, Moisturizer, Anti-inflammatory	NIKKO CHEMICALS	0.8000
Behenyl Alcohol, Polyglyceryl-10 Pentastearate, Sodium Stearoyl Lactylate, Ceramide NP, Ceramide NG, Ceramide AP, Phytosphingosine	NIKKOL Ceralipid PS236	Moisturizer, Anti-skin roughening	NIKKO CHEMICALS	0.2000
Stearyl Alcohol	STEARYL ALCOHOL	Viscosity modifier, Stabilizer	Kokyu Alcohol Kogyo	0.4000
Behenyl Alcohol	NIKKOL Behenyl Alcohol 80	Viscosity modifier, Stabilizer	NIKKO CHEMICALS	0.4000
Cetyl Palmitate	NIKKOL N-SPV	Viscosity modifier	NIKKO CHEMICALS	0.8000
Ethylhexyl Palmitate	NIKKOL IOP	Emollient agent	NIKKO CHEMICALS	2.0000
Dimethicone	KF-96A-6cs	Emollient agent	Shin-Etsu Chemical	3.6000
Ethylhexylglycerin, Glyceryl Caprylate	NIKKOL Nikkoguard 88	Antimicrobial agent	NIKKO CHEMICALS	0.3000
B				
Phytosterols				0.2000
Ethylhexyl Palmitate	NIKKOL IOP	Emollient agent	NIKKO CHEMICALS	2.0000
C				
Propanediol		Moisturizer		5.0000
Glycerin		Moisturizer		1.3000
Sodium Hyaluronate, Water		Moisturizer		5.0000
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	PEMULEN TR-2	Thickener	Lubrizol	0.1100
Carbomer	Carbopol 981	Thickener	Lubrizol	0.1100
Phenoxyethanol		Antimicrobial agent		0.3000
Water				70.2600
D				
Arginine		Neutralizer, pH adjuster		0.2200
Water				6.0000
E				
Polyglyceryl-10 Laurate, Glycerin, Dimethicone, Water	NIKKOL NET-813-1	Emollient agent, Texturizer	NIKKO CHEMICALS	1.0000
			Total	100.0000
Procedure				
1. Mix A at room temperature and disperse NIKKOL Lecinol S-10 PLUS uniformly.				
2. Heat A and C to 75-80°C and heat B to 80-85°C respectively, then dissolve uniformly.				
3. Add B into A and mix until uniform.				
4. While stirring C at 80°C, add A+B to C gradually and emulsify with homogenizer.				
5. Add D into A+B+C and mix well, then cool down to 35°C.				
6. Add E into A+B+C+D and mix until uniform.				
Physical Properties			Stability	
Initial viscosity (B type Viscometer, No.4 6rpm/30sec.) : 8000 ~ 9000 mPa · s			· RT, 45°C, 5°C : Confirmed for 3 month	
pH(bulk) : 5.5 ~ 6.0			· 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.