

**Formula Name : Overnight Hand Balm**

Lot.No.27-HSM-10

(NIKKOL Purephos Alpha: 1.0%)


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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
<b>A</b>				
Cetyl Phosphate	NIKKOL Purephos Alpha	Emulsifier	NIKKO CHEMICALS	1.0000
Cetyl Alcohol		Viscosity modifier, Stabilizer		5.0000
Butyrospermum Parkii (Shea) Butter		Emollient agent		5.0000
Astrocaryum Murumuru Seed Butter		Emollient agent		10.0000
Macadamia Ternifolia Seed Oil	NIKKOL Macadamia Nut Oil	Emollient agent	NIKKO CHEMICALS	3.0000
Dimethicone	SILICONE HL-88	Emollient agent, Texturizer	NIKKO CHEMICALS	1.0000
Ethyl Linoleate	NIKKOL VF-LINOV	Brightening	NIKKO CHEMICALS	1.0000
Squalane, Tocopherol, Retinyl Linoleate	NIKKOL VA-LINO 10	Anti-wrinkle, Brightening	NIKKO CHEMICALS	1.0000
Tocopherol		Antioxidant		0.1000
<b>B</b>				
Glycerin		Moisturizer		5.0000
Methyl Methacrylate Crosspolymer, HDI/Trimethylol Hexyllactone Crosspolymer	UP-611	Texturizer, Functional powder	Toshiki Pigment	3.0000
Phenoxyethanol		Antimicrobial agent		0.4000
<b>C</b>				
Arginine		Neutralizer		0.5000
Water				40.0000
<b>D</b>				
Water				23.7000
<b>E</b>				
Fragrance				0.3000
			Total	100.0000
<b>Procedure</b>				
1. Disperse B until uniform, and then add B into C and mix until uniform.				
2. Heat A and B+C to 80°C separately and mix until uniform.				
3. While stirring B+C by homogenizer, add A into B+C gradually and emulsify at 80°C for a certain period of time.				
4. Cool down to 35°C while stirring, and then add D and E into A+B+C and mix until uniform.				
<b>Physical Properties</b>			<b>Stability</b>	
Initial viscosity (B type Viscometer, No.4 6rpm, 30sec.): 32300 mPa · s			· RT, 45°C, 5°C: Confirmed for 3 months	
pH (bulk): 5.6			· 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.