

Confidential



NIKKOL GROUP

NIKKO CHEMICALS CO., LTD.

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Formula Name : Age-Defy Nourishing Milk

Lot.No.27-WTM-65

(NIKKOL Purephos Alpha: 1.0%)



<https://www.chemical-navi.com/>

INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
A				
Cetyl Phosphate	NIKKOL Purephos Alpha	Emulsifier	NIKKO CHEMICALS	1.0000
Cetyl Alcohol		Viscosity modifier, Stabilizer		0.2500
Macadamia Integriifolia Seed Oil, Macadamia Ternifolia Seed Oil	NIKKOL Macadamia Nut Oil	Emollient agent	NIKKO CHEMICALS	15.0000
Gevuina Avellana Seed Oil	NIKKOL Hazel Nut Oil	Emollient agent	NIKKO CHEMICALS	10.0000
Camelina Sativa Seed Oil	NIKKOL Golden Camelina Oil	Emollient agent	NIKKO CHEMICALS	5.0000
Squalane	NIKKOL Sugar Squalane	Emollient agent	NIKKO CHEMICALS	1.0000
Dimethicone	SILICONE HL-88	Texturizer, Antifoaming agent	NIKKO CHEMICALS	2.0000
Tocopherol		Antioxidant		0.0500
B				
Xanthan Gum,Water	(2% aq.)	Thickener		15.0000
Propanediol		Moisturizer		5.0000
Glycerin		Moisturizer		2.5000
PPG-24-Glycereth-24	NIKKOL SG-G2424	Moisturizer, Penetrant	NIKKO CHEMICALS	2.5000
Disodium EDTA		Chelating agent		0.1000
Arginine		Neutralizer		0.5000
Phenoxyethanol		Antimicrobial agent		0.4000
Water				32.3000
C				
Melissa Officinalis Leaf Extract,Butylene Glycol,Water	LEMON BALM EXTRACT RA	Anti-wrinkle, Anti-aging	Maruzen Pharmaceuticals	1.0000
Alpinia Speciosa Leaf Extract,Water,Butylene Glycol	ALPINIA LEAF EXTRACT BG	Anti-wrinkle, Anti-aging, Brightening	Maruzen Pharmaceuticals	1.0000
Water				5.0000
D				
Fragrance		Fragrance		0.4000
			Total	100.0000
Procedure				
1. Heat A and B respectively at 80°C and mix until uniform.				
2. Add A to B while mixing B, and then emulsify with homogenizer.				
3. Cool down at 40°C with mixing, then add C and D respectively, and mix well until uniform.				
4. Cool down at 35°C with mixing.				
Physical Properties			Stability	
Initial viscosity (B type Viscometer, No.3 6rpm, 30sec.) : 4890 mPa · s			· RT, 45°C, 5°C : Confirmed for 3 months	
pH(bulk) : 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.