

**Formula Name : Herbal UV Protection Milk**

Lot.No.06-ATB-7

(NIKKOL Nikkomulose 41S: 2.5%)



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INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
<b>A</b>				
Behenyl Alcohol, Polyglyceryl-10 Pentastearate, Sodium Stearoyl Lactylate	NIKKOL Nikkomulose 41S	Emulsifier	NIKKO CHEMICALS	2.5000
Squalane, Titanium Dioxide, Aluminum Hydroxide, Isostearic Acid, Polyhydroxystearic Acid	SSQP40TIJ	UV filter	KOBO Dispatek	20.0000
Squalane, Macadamia Ternifolia Seed Oil, Simmondsia Chinensis (Jojoba) Seed Oil, Olea Europaea (Olive) Fruit Oil, Rosa Canina Fruit Oil	NIKKOL NATURAL OILS-1	Emollient agent	NIKKO CHEMICALS	0.5000
Argania Spinosa Kernel Oil, Bisabolol, Tocopheryl Acetate	Sunboost ATB Natural	Anti-inflammatory	KOBO Products	5.0000
<b>B</b>				
Water				33.9000
Sodium Methyl Stearoyl Taurate	NIKKOL SMT	Emulsifier	NIKKO CHEMICALS	0.5000
Xanthan Gum, Water	(2% aq.)	Thickener		10.0000
Hydroxyethylcellulose, Water	HEC SE900 (1% aq.)	Thickener	Daicel	10.0000
Propanediol		Moisturizer		10.0000
Water, Glycerin, Lonicera Japonica (Honeysuckle) Flower Extract, Illicium Verum (Anise) Fruit Extract, Usnea Barbata (Lichen) Extract, Ocimum Basilicum (Basil) Flower/Leaf Extract		Antimicrobial agent		0.5000
<b>C</b>				
Biosaccharide Gum-1, Water	FUCOGEL 1.5P	Moisturizer, Anti-inflammatory	Solabia Group	1.0000
Sodium Hyaluronate, Water	(1% aq.)	Moisturizer		1.0000
Water				5.0000
<b>D</b>				
Salvia Officinalis (Sage) Oil		Fragrance		0.1000
			Total	100.0000
<b>Procedure</b>				
1. Heat A and B to 80°C separately and mix until uniform.				
2. While stirring B by homogenizer, add A into B gradually and emulsify at 80°C for a certain period of time.				
3. Cool down to 35°C while stirring, then add C and D into A+B and mix until uniform.				
<b>Physical Properties</b>			<b>Stability</b>	
Initial viscosity (B type Viscometer, No.4 6rpm, 30sec.): 17000 ~ 23000 mPa · s			· RT, 45°C, 5°C: Confirmed for 3 months	
pH (bulk): 6.0 ~ 7.0			· 50°C, -5°C, Cycle (-5⇄45°C): Confirmed for 1 month	
SPF 32, PA+++ (in-vivo, 3 subjects)				

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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.