

Confidential



NIKKOL GROUP

NIKKO CHEMICALS CO., LTD.

1 - 4 - 8 NIHONBASHI - BAKUROCHO, CHUOKU,  
TOKYO, 103 - 0002, JAPAN

Email: international\_inquiry@nikkol.co.jp

**Formula Name : Pure Gel Lotion (for creative testing)**

Lot.No.27-BGL-100

(NIKKOL Purephos Alpha: 0.7%)



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

INCI NAME	TRADE NAME	ROLE/FEATURE	SUPPLIER	wt%
<b>A</b>				
Cetyl Phosphate	NIKKOL Purephos Alpha	Emulsifier	NIKKO CHEMICALS	0.7000
Batyl Alcohol	NIKKOL Batyl Alcohol EX	Emollient agent, Anti-inflammatory	NIKKO CHEMICALS	0.5000
Cetyl Alcohol		Viscosity modifier, Stabilizer		1.5000
Squalane	NIKKOL Sugar Squalane	Emollient agent	NIKKO CHEMICALS	2.0000
Dimethicone	KF-96A-6cs	Emollient agent	Shin-Etsu Chemical	3.0000
<b>B</b>				
Arginine		Neutralizer, pH adjuster		0.5000
Glycerin		Moisturizer		10.0000
Butylene Glycol		Moisturizer		5.0000
Betaine		Moisturizer		0.5000
Carbomer,Water	TC-CARBOMER 381 (2% aq.)	Thickener	Guangzhou Tinci Materials Technology	7.5000
Phenoxyethanol		Antimicrobial agent		0.4000
Water				68.4000
			Total	100.0000
<b>Procedure</b>				
1. Heat A and B to 80°C and mix until uniform, respectively.				
2. Add A to B gradually while mixing, then emulsify with homogenizer.				
3. Cool down to 35°C with mixing, then add C and mix well until uniform.				
<b>Physical Properties</b>			<b>Stability</b>	
Initial viscosity (B type Viscometer, No.4 6rpm/30sec.) : 8700 mPa · s			· RT, 45°C, 5°C : Confirmed for 3 month	
pH(bulk) : 6.2			· 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.