

Glowing Skin Day and Night Lotion
 Ref: PS3-193

This light and elegant lotion has a unique delivery system to allow all active ingredients to penetrate effectively yet gradually into the skin.

INCI	Trade Name	Supplier	% W/W
Phase A			
D.I. Water	D.I. Water		Q.S.
Disodium EDTA	Protachem NA-2-P	Protameen	0.10
Glycerin	Glycerin 99.5%	Protameen	4.00
Xanthan Gum	Keltrol CG	CPKelco	0.30
Propylene Glycol	Propylene Glycol		3.00
Phase B			
Glyceryl Monostearate	Jeechem GMS-450	JEEN	0.75
Polyglyceryl-6 Isostearate	Plurol Isostearique	Gattefosse	0.40
PEG-100 Stearate	Protamate 4400-DPS	Protameen	0.40
Cetearyl Alcohol	Lipocol SC	Lipo	0.40
Cetyl Alcohol	Cetyl Alcohol NF	Protameen	0.40
Polysorbate 80	Tween 80	Unicema	0.40
Squalane(vegetable)	Pripure 3759-LQ-(GD)	Croda	2.00
Cyclopentasiloxane and Cyclohexasiloxane	Dow Corning 345 Fluid	Dow Corning	2.00
Dimethicone	JEESILC PDS-200	JEEN	2.00
Phase C			
D.I Water	D.I. Water		5.00
Phytic Acid	Biosil PA	Biosil	1.00
Sodium Hydroxide (50% solution)	Sodium Hydroxide		0.48
Phase D			
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Isohexadecane, Polysorbate 80	Simulgel EG	Seppic	2.00
Phenoxyethanol, Ethylhexylglycerin	Euxyl PE 9010	Schulke	1.00
Polyurethane-34	Baycusan C1000	Bayer	5.00
Red #40	0.1% sol.	LCW	0.30
Orange #4	0.1% sol.	LCW	0.28
Fragrance	Citrus 92-46394	Premier	0.14

Procedure: Add water to the main beaker. Premix Xanthan Gum with Glycerin and Propylene Glycol; add it to the water with mixing. Heat to 70°C and mix until no lumps. Add Disodium EDTA with mixing. Combine ingredients of Phase B together. Mix and heat to 60-70°C until it is clear. Add Phase B into Phase A with mixing. Stop heating. Cool Batch to 40°C. In a separate beaker mix water with Phytic Acid, and neutralize it with Sodium Hydroxide to pH 4.5, then add it to the main batch with mixing. Add ingredients of Phase D one by one with mixing.

Parameters: pH 5.5, Viscosity 14330 CPS S#5 @ 6RPM

Stability: Acceptable 8 weeks stability study at 40C, RT, 450C, and 3 cycles F/T.

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