

Overnight Hydration and Repair Serum

Ref: PS3-65

This elegant formulation is designed as a night serum to complement the skin's repair process, eliminate damage, and revitalize it by morning. **PAE Complex® Hydration and Repair** provides multi-functional benefits: mild skin exfoliation, moisturization, and skin repair. OCEA CARE®, which is a part of PAE Complex Hydration and Repair, utilizes the brown seaweed *Laminaria saccharina* to target skin repair.

INCI	Trade Name	Supplier	% W/W
Phase A			
D.I. Water	D.I. Water		75.43
Disodium EDTA	Protachem NA-2-P	Protameen	0.10
Glycerin	Glycerin 99.5%	Protameen	4.00
Hydroxyethylcellulose	Natrosol 250 HHR CS	Ashland	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	Uniqema	0.40
Cyclopentasiloxane and Cyclohexasiloxane	Dow Corning 345 Fluid	Dow Corning	2.00
Dimethicone	Dow Corning 200 Fluid 50 cst.	Dow Corning	2.00
Phase C			
Aloe Barbadensis Leaf Juice (and) Glycerin (and) Phytic Acid (and) Laminaria Saccharina Extract	PAE Complex® Hydration and Repair	Biosil	15.15
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Isohexadecane, Polysorbate 80	Simulgel EG	Seppic	2.00
Methyl Paraben, Ethyl Paraben, N-Butyl Paraben, Propyl Paraben, Isobutyl Paraben, Phenoxyethanol.	Phenonip	Clariant	1.00
Fragrance	Purifying Scent S8-41312	Premier	0.06
FD&C Blue	FD&C Blue #1 @ 0.1%	LCW	0.03
Tris(tetramethylhydroxypiperidinol) citrate	Tinogard Q	BASF	0.05

Procedure: Add water to the main beaker. Premix Natrosol 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. Add ingredients of Phase C one by one with mixing.

Parameters: pH 5.2, Viscosity 5.400 CPS S#5/10 RPM

Stability: Acceptable 8 weeks stability at 4°C, RT 45°C, and 3 F/T cycles.

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