

Daily Skin Defense

Ref: PS3-183

Algyl is an active prepared from three red seaweeds (*Gigartina stellata*, *Kappaphycus alvarezii*, *Corallina officinalis*), which can improve the efficiency of the skin barrier with intelligent ways of action in this nourishing face cream. **Redivine** uses the benefits of the leaves of red vine to stimulate micro-circulation and for anti-oxidant and anti-elastase activity. Additionally, the astringent properties will lead to tightened pores and tissues. **Biosil EFA** provides the skin with essential fatty acids which the body needs but cannot synthesize.

INCI	Trade Name	Supplier	% W/W
Phase A			
D.I Water	D.I.Water		Q.S
Hydroxyethylcellulose	Natrasol 250 HHR CS	Ashland	0.350
Glycerin	Glycerin 99.5%	Protameen	3.000
Disodium EDTA	Protachem NA-2-P	Protameen	0.100
Phase B			
Glyceryl Stearate & PEG-100 Stearate	Lipomulse 165	LIPO	2.500
Polyglyceryl-6 Isostearate	Plurol Isostearique	Gattefosse	0.750
Cetyl Alcohol	Cetyl Alcohol NF	Protameen	1.250
Butyrospermum Parkii	Lipex Shea	Integrity Ingredients	2.000
Octyldodecyl Ricinoleate	Pelemol ODR	Phoenix Chem.	2.000
Linoleic Acid (and) Linolenic Acid (and) Tocopherol	Biosil EFA	Biosil	1.000
Caprylic/Capric Tryglyceride	Botanester GC	Botanigenics	5.000
C12-15 Alkyl Benzoate	Liponate NEB	Vantage	5.000
Cyclopentasiloxane and Cyclohexasiloxane	Dow corning 345 Fluid	Dow Corning	2.000
Phase C			
Phenoxyethanol, Ethylhexylglycerin	Euxyl 9010	Schulke	1.000
Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Isohexadecane, Polysorbate 80	Simulgel EG	Seppic	2.000
Phase D			
Water (and) Glycerin (and) Gigartina Stellata/Kappaphycus Alvarezii Extract (and) Corallina Officinalis Extract	Algyl	Biosil	3.000
GRAPE (VITIS VINIFERA) LEAF EXTRACT	Redivine	Biosil	3.000
Fragrance	Purifying Scent S8-41312	Premier	0.100

Procedure: Add water to the main beaker. Premix Natrasol with Glycerin and add it to the water with mixing. Heat to 60°C and mix until it is clear. 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. Add ingredients of Phase D one by one with mixing.

Parameters: pH 5.61. Viscosity 82600 CPS S#6 @ 5RPM

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

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