

AC CytoSulf PF Sample Formulations

Code: 20793PF
INCI Name: Plankton Extract
CAS #: 91079-57-1
EINECS #: 293-445-7

Sample Finished Formulation Guidelines

Anti-Aging Aftershave
FNNTA01-07 – Anti-Aging Aftershave

Pro-Aging Night Cream
FNHP02-12 Pro-Aging Night Cream

Anti-Aging Aftershave Formulation Code: FNTA01-07

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	68.10
Carbomer	Carbopol® 940 Polymer/Lubrizol	0.50
Polysorbate 80	Polysorbate 80/Spectrum Chemical	0.50
Tetrasodium EDTA	Tetrasodium EDTA/Spectrum Chemical	0.20
Plankton Extract	AC CytoSulf PF/Active Concepts	1.00
Phase II		
Cyclomethicone & Dimethicone	SilDerm® Smoothing/Active Concepts	2.00
Cetearyl Alcohol & Glyceryl Stearate & Amarantheth-20	Phytomulse® Amaranth/Active Concepts	5.00
Cyclopentasiloxane	Xiameter® PMX-0245/Dow Corning	5.00
Ethyl Alcohol	Ethanol/Spectrum Chemical	7.00
Triethanolamine	Triethanolamine 99/Coast Southwest	0.50
Tocopheryl Acetate	Vitamin E Acetate/Spectrum Chemical	0.20
Citrus Limon (Lemon) Fruit Extract	AC Fractionated Lemon Cooling OS/ Active Concepts	5.00
Olea Europaea (Olive) Fruit Oil	AC Olive Oil Clear/Active Concepts	1.00
Phase III		
Leuconostoc/Radish Root Ferment Filtrate & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	Leucidal® Liquid Complete/Active Micro Technologies	4.00

Manufacturing Process:

1. Sprinkle Carbopol® 940 polymer on the surface while mixing and wait until the polymer is self-wetted.
2. Add remaining Phase I ingredients with continuous mixing. Ensure dispersion before adding the next.
3. Combine Phase II ingredients into a mixer, mix until uniform.
4. Add Phase II to Phase I with continuous mixing.
5. Add Phase III.



Tomorrow's Vision... Today!

Pro-Aging Night Cream Formulation Code: FNHP02-12

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	QS
Butylene Glycol (and) Polymethylsilsesquioxane	SilDerm® Emulsifying BG/Active Concepts	5.00
Sodium Phytate	Dermofeel PA-3/Dr. Straetmans	0.20
Glycerin	Glycerin	5.00
Water (and) Algae Extract	AC Alg-Moist EAU/Active Concepts	2.00
Carbomer	Carbopol® Ultrez 10/Lubrizol	0.50
Phase II		
Hellanthus Annuus (Sunflower Seed) Oil	Lipovol SUN/Lipo Chemicals	1.00
Glyceryl Stearate	Lipo GMS 450/Lipo Chemicals	2.50
Punica Granatum (Pomegranate) Sterols	ABS Pomegranate Sterols/Active Concepts	2.00
Phormium Tenax Seed Oil	AC Flax Seed Oil CLA/Active Concepts	1.00
Simmonsia Chinensis (Jojoba) Seed Oil	Biomimetic Jojoba Oil Clear/Active Concepts	1.50
Beeswax	White Beeswax/Strahl & Pitsch	0.50
Phase III		
Lactobacillus/Arundinaria Gigantea Ferment Extract	ACB Bamboo Bioferment/Active Concepts	2.00
Phase IV		
Water	Water	1.00
Triethanolamine	TEA 99%/Rita Corp.	0.30
Phase V		
Saccharomyces/ Capsicum Annum Fruit Ferment Filtrate	AC DermaPeptide Micro C/Active Concepts	2.00
Lactobacillus Bulgaricus Ferment Filtrate	ACB Yogurt Dermal Respiratory Factor/Active Concepts	3.00
Lactobacillus/Wasabia Japonica Root Ferment Extract	ACB Wasabi Extract/Active Concepts	2.00
Plankton Extract	AC CytoSulf PF/Active Concepts	1.00
Hydrolyzed Collage & Hyaluronic Acid	AC CollaSyn Hydrolysate HYA PF/Active Concepts	3.00
Lactobacillus Ferment & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	Leucida® SF Complete/ Active Micro Technologies	4.00

Manufacturing Process:

- Phase I:** Charge water into main beaker and begin propeller mixing. A vortex should form. Charge SilDerm Emulsifying BG, Dermofeel PA-3, Glycerin, and AC Alg-Moist EAU. Mix well for 15 minutes. Sift in Ultrez 10. Begin heating to 75°C.
- Phase II:** In a separate beaker, blend ingredients together and heat to 80°C. Once temperatures have been reached, add to main. Maintain temperature of 78°C and continue mixing for 15 minutes.
- Phase III:** Remove heat. Add at 60°C.
- Phase IV:** Pre-blend and add to main.
- Phase V:** Begin force cooling. Add to main at 45°C.

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