

ACB Wakame Bioferment Advanced Sample Formulations

Code: 20024
INCI Name: Undaria Pinnatifida Cell Culture Extract
CAS #: N/A
EINECS #: N/A

Sample Finished Formulation Guidelines

Sea Vitality Hydrating Daytime Emulsion
FNFCZ001-08

Sea Vitality Exfoliating Serum
FNFCZ001-11



Tomorrow's Vision... Today!®

Sea Vitality Hydrating Daytime Emulsion

Formulation Code: FNFCZ001-08

| Ingredient | Trade Name/Vendor | % |
|--|---|-------------|
| Phase I | | |
| Water | Water | QS |
| Lactobacillus/Arundinaria Gigantea Ferment Filtrate | ACB Bamboo Bio-Water/ Active Concepts | 2.00 |
| Lactobacillus/Nereocystis Luetkeana Ferment Filtrate | ACB Bull Kelp Bioferment/Active Concepts | 1.00 |
| Phase II | | |
| Glycerin | Glycerin | 1.00 |
| Xanthan Gum | Keltrol CG/CP Kelco | 0.30 |
| Phase III | | |
| Isodecyl Neopentanoate | Ceraphyl SLK/ISP | 3.00 |
| Caprylic/Capric Triglyceride | Neobee M-5/Stepan | 3.00 |
| Butylene Glycol (and) Polymethylsilsesquioxane | Silderm Emulsifying BG/Active Concepts, LLC | 2.00 |
| Glyceryl Stearate | Protachem GMS-450/Protameen | 1.50 |
| Stearyl Alcohol | Rita SA/Rita Corp. | 1.50 |
| Phase IV | | |
| Water (and) Butylene Glycol (and) Sea Silk Extract | ABS Sea Silk Extract/Active Concepts, LLC | 1.00 |
| Hydrolyzed Pearl | AC Pearl Hydrolysate/Active Concepts, LLC | 1.00 |
| Glycerin (and) Saccharomyces/Sea Silt Ferment | ACB Sea Silt Bioferment G/Active Concepts LLC | 1.00 |
| Undaria Pinnatifida Cell Culture Extract | ACB Wakame Bioferment Advanced/Active Concepts LLC | 0.50 |
| Lactobacillus Ferment | Leucidal Liquid SF/Active Micro Technologies | 2.00 |
| Sodium Hydroxide | NaOH 25% Solution | 0.02 |
| Fragrance | Lavender Vanilla Sage 302-669/American Flavors & Fragrances | 0.05 |

Manufacturing Process:

- Phase I:** Charge water into main beaker and begin propeller mixing. A vortex should form. Charge remaining ingredients and begin heating to 75°C. Mix until homogenous.
- Phase II:** Pre-mix ingredients then add to main beaker and mix until homogenous.
- Phase III:** In a separate beaker, combine ingredients, heat to 75°C while mixing. Mix until homogenous. Then, add to main beaker with high-speed mixing. Maintain temp at 75°C and mix for 3-5 min. Then homogenize 5-10 min. Begin force cooling.
- Phase IV:** At 50°C, add ingredients and mix until homogenous.

Sea Vitality Exfoliating Serum

Formulation Code: FNFCZ001-11

| Ingredient | Trade Name/Vendor | % |
|---|---|-------------|
| Phase I | | |
| Water | Water | QS |
| Acrylates/C10-30 Alkyl Acrylates Crosspolymer | Carbopol Ultrez 20/Noveon | 1.50 |
| Leuconostoc/Radish Root Ferment Filtrate | Leucidal Liquid/Active Micro Technolgoies | 2.00 |
| Phase II | | |
| Triethanolamine | TEALan 99%/Rita Corp. | 2025 |
| Phase III | | |
| Water & Lactic Acid & Malic Acid & Sodium Hydroxide & Algae Extract | AC Marine Acids/Active Concepts, LLC | 5.00 |
| Lactobacillus/Eridictyon Californicum Ferment Extract | ACB Yerba Santa Glycoprotein PF/Active Concepts, LLC | 4.00 |
| Lactobacillus/Nereocystis Luetkeana Ferment Filtrate | ACB Bull Kelp Bioferment/Active Concepts, LLC | 2.00 |
| Water & Zingiber Officinale (Ginger) Root Extract & Mentha Piperita (Peppermint) Leaf Extract | ABS Ginger Mint Extract Cooling PF/Active Concepts, LLC | 2.00 |
| Undaria Pinnatifida Cell Culture Extract | ACB Wakame Bioferment Advanced/Active Concepts, LLC | 0.50 |
| Fragrance | Lavender Vanilla Sage 302-669/American Flowers & Fragrances | 0.05 |

Manufacturing Process:

Phase I: Charge water into main beaker and begin propeller mixing. A vortex should form. Slowly sift in Carbopol. Mix until completely dispersed.

Phase II: Add ingredients and mix until homogenous.

Phase III: Add each ingredient and allow to disperse completely before adding the next.