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# ACB Bio-Chelate 5 PF Sample Formulations

**Code:** 20339PF  
**INCI Name:** Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment  
**CAS #:** 7732-18-5 & 8013-01-2 & 8013-01-2 & 8013-01-2 & 8013-01-2 & 8013-01-2  
**EINECS #:** 231-791-2 & 232-387-9 & 232-387-9 & 232-387-9 & 232-387-9 & 232-387-9

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## Sample Finished Formulation Guidelines

### Scalp Treatment

FNHB02-12-3 – Scalp Treatment

### Multivitamin Facial Cream

CTNC11-008 – Multivitamin Copper Facial Cream

### Clarifying Face Rejuvenation Wash

FNBB03-152 – Clarifying Face Rejuvenation Wash

Version#1/08-22-14/Form#87



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# Scalp Treatment Formulation Code: FNHB02-12-3

Ingredient	Trade Name/Vendor	%
<b>Phase I</b>		
Water	Water	<b>QS</b>
Water & Algae Extract	AC Alg-Moist EAU/Active Concepts, LLC	<b>8.00</b>
Populus Tremuloides (Aspen) Bark Extract	Phytocide Aspen Bark Extract Powder/ Active Micro Technologies	<b>2.00</b>
Salix Alba (White Willow) Bark Extract	ABS White Willow Bark Extract Powder/ Active Concepts, LLC	<b>2.00</b>
Sodium Phytate	Dermofeel PA-3/Dr. Straetmans	<b>0.20</b>
Saccharomyces/Capsicum Annum Fruit Ferment Extract	AC DermaPeptide MicroC/ Active Concepts, LLC	<b>15.00</b>
Lactobacillus Bulgaricus Extract	ACB Yogurt Dermal Respiratory Factor/ Active Concepts, LLC	<b>5.00</b>
Butylene Glycol & Water & Spiraea Ulmaria Extract	AC Sebum Control Enzyme PBF/ Active Concepts, LLC	<b>5.00</b>
Water & Zingiber Officinale (Ginger) Root Extract & Mentha Piperita (Peppermint) Leaf Extract	ABS Ginger Mint Extract Cooling/ Active Concepts, LLC	<b>2.00</b>
Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment	ACB Bio-Chelate 5 PF/ Active Concepts, LLC	<b>3.00</b>
Leuconostoc/Radish Root Ferment Filtrate	Leucidal Liquid/Active Micro Technologies	<b>2.00</b>
Sodium Hydroxide	NaOH 25% Solution	<b>0.15</b>

### Manufacturing Process:

**Phase I:** In main beaker, charge water and begin propeller mixing. A vortex should form. Add each ingredient individually allowing complete dispersion between additions.



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# Clarifying Face Rejuvenation Wash

## Formulation Code: FNBB03-152

Ingredient	Trade Name/Vendor	%
<b>Phase I</b>		
Water	Water	QS
Sodium Phytate	Dermofeel PA-3/Dr. Straetmans	0.20
Milk Powder	ABS Goat Milk Powder/Active Concepts, LLC	0.50
Water	Water	QS
<b>Phase II</b>		
Ammonium Laureth Sulfate	Steol CA-330/Stepan	20.00
Sodium Lauryl Sulfoacetate (and) Disodium Laureth Sulfosuccinate	Stepanmild LSB/Stepan	10.00
Cocamidopropyl Hydroxysultaine	Chembetaine CAS/Chemron	5.00
Ammonium Laureth Sulfate	Steol CA-330/Stepan	20.00
<b>Phase III</b>		
Sodium Cocoyl Hydrolyzed Rice Protein	AC Foaming Rice/Active Concepts, LLC	2.50
Water & Propylene Glycol & Malic Acid & Pyrus Malus (Apple) Fruit Extract & Glycolic Acid & Lactic Acid & Citric Acid	ABS Apple AHA's/Active Concepts, LLC	5.00
Water (and) Melissa Officinalis Extract	Organic DehydraSome Yogurt Berry/Arbor Organic Technologies, LLC	6.00
Propylene Glycol & Sambucus Nigra Fruit Extract	ABS Elderberry Extract PG/ Active Concepts, LLC	2.50
Water (and) Phospholipids (and) Retinyl Palmitate (and) Ascorbyl Palmitate (and) Tocopheryl Acetate	AC Vitamin ACE Liposome/Active Concepts, LLC	3.00
Cocoyl Honeyate	Honey-Matte/Active Concepts, LLC	6.00
Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment	ACB Bio-Chelate 5 PF/Active Concepts, LLC	3.50

### Manufacturing Process:

- Phase I:** Charge water into main beaker and begin paddle mixing. Charge each ingredient. Begin heating to 75°C.
- Phase II:** Once temperature is reached, charge each ingredient individually. Maintain temperature of 70°C and continue mixing for 15 minutes.
- Phase III:** Begin force cooling. Add each at 50°C.



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# Multivitamin Facial Cream

## Formulation Code: CTNC11-008

Ingredient	Trade Name/Vendor	%
<b>Phase I</b>		
	Demineralized Water	QS
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Carbopol Ultrez/Noveon	0.35
Butylene Glycol	Butylene Glycol	3.00
Polyacrylamidomethylpropane Sulfonic Acid	Cosmedia HSP-1180/Cognis Care Chemicals	0.50
Water & Propylene Glycol & Avena Sativa (Oat) Kernel Extract	Oat Beta Glucan	1.00
Glycerin	Glycerin	1.00
Lactobacillus/Eriodictyon Californicum Ferment Extract	ACB Yerba Santa Glycoprotein/Active Concepts, LLC	1.00
<b>Phase II</b>		
Cetyl Alcohol	Lipocol C-Cetyl Alcohol 9/Lipo	0.65
Tocopheryl Acetate	Vitamin E Acetate/ Dai-Ichi Fine Chemical	0.25
Mangifera Indica (Mango) Seed Butter	Mango Butter/ Earth Supplied Products	0.85
Glyceryl Stearate	Lipo GMS 450/Lipo	2.00
Cyclomethicone	SF1204/ GE Silicones	0.90
Cetearyl Alcohol	Cetearyl Alcohol	2.40
Ceteareth-20	Ceteareth-20	0.60
Glycine Soja (Soybean) Seed Extract & Ceramide 3	Phyto-Oil C3/ Active Concepts, LLC	1.00
Dimethicone	SE30/ GE Silicones	0.10
Simmondsia Chinensis (Jojoba) Seed Oil	Lipovol J Lite/ Lipo	1.00
Octyl Palmitate	Octyl Palmitate/ISP	2.00
Caprylic/Capric Triglyceride	Myritol 318 (C/C T)/ Cognis Care Chemicals	2.00
Squalane	Amaranthus Squalane/Active Concepts, LLC	2.00
Phenyl Trimethicone	Baysilone PK5/ GE Bayer Silicones	0.75
<b>Phase III</b>		
Water & Butylene Glycol & Saccharomyces/Copper Ferment	AC Bio-Chelate Copper Powder/ Active Concepts, LLC	2.00
	Nanothalasphe BH5D	0.50
	Phytosphere Chaloo 1A	0.50
<b>Phase IV</b>		
	TEA 99	0.35
	Demineralized Water	4.00
<b>Phase V</b>		
Leuconostoc/Radish Root Ferment Filtrate	Leucidal Liquid/Active Micro Technologies	2.00
Salix Alba (Willow) Bark Extract	ABS White Willowbark Extract/Active Concepts, LLC	5.00
Water & Triticum Vulgare (Wheat) Protein	AC DermaPeptide Tightening/Active Concepts, LLC	3.50



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### Manufacturing Process:

- Phase I:** Combine above ingredients in individual containers and mix until uniform. Heat to 75C.
- Phase II:** Combine above ingredients in individual containers and mix until uniform. Heat to 75C. Add step two to step one, using a prop mixer set at moderate speed and mix for 45-60 minutes. Hold the temperature at 75C.
- Phase III:** Continue to mix and cool to 45C and add above ingredients and mix until uniform.
- Phase IV:** Add above ingredients and mix until uniform.
- Phase V:** Add above ingredients at 40C. Mix until uniform and cool to room temperature.