AcquaSeal® Coconut Sample Formulations

Code: 20742
INCI Name: Cocos Nucifera (Coconut) Fruit Extract
CAS #: 8001-31-8
EINECS #: 232-282-8

Sample Finished Formulation Guidelines

Age Erasing Eye Serum
FNHP02-21 – Age Erasing Eye Serum

Environmental Defense Lotion
FNTA01-02 – Environmental Defense Lotion

Conditioning Shave Cream
FNTA01-06 – Conditioning Shave Cream

Anti-Frizz Treatment
FNHP02-04-Anti-Frizz Treatment

Version#3/06.02.18

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Age Erasing Eye Serum
Formulation Code: FNHP02-21

Ingredient	Trade Name/Vendor	%
Phase I		
Dimethicone & Dimethicome/PEG-10/15 Crosspolymer	KSG-210/Shin-Etsu Silicone	**7.00**
Cyclopentasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Chemsil K-51/Innospec	**12.00**
Dimethicone (and) Dimethicone/Vinyl Dimethicone Crosspolymer	Chemsil K-61/Innospec	**14.00**
Phase II		
Deionized Water	Water/Local	**47.25**
Propylene Glycol	Propylene Glycol/Spectrum Chemical	**10.00**
Leuconostoc/Radish Root Ferment Filtrate & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	Leucidal® Liquid Complete/Active Micro Technologies	**4.00**
Sodium Citrate	Sodium Citrate/Spectrum Chemical	**0.25**
Sodium Chloride	Sodium Chloride/Spectrum Chemical	**0.50**
Phase III		
Lactobacillus Ferment Lysate Filtrate	AC Dermal Respiratory Factor Advanced PF/Active Concepts	**1.00**
Water & Cinnamomum Cassia Bark Extract & Phospholipids	AC Cinnamon Liposome/Active Concepts	**1.00**
Water & Lactobacillus Ferment Lysate & Camellia Sinensis Leaf Extract & Punica Granatum Extract & Caffeine	Revital-Eyes/Active Concepts	**1.00**
Cocos Nucifera (Coconut) Fruit Extract	AcquaSeal® Coconut/Active Concepts	**1.00**
Hydrolyzed Elastin	AC Marine Elastin PF/Active Concepts	**1.00**

Manufacturing Process:

1. Mix Phase I ingredients thoroughly
2. Mix Phase II ingredients, one at a time, into Phase I. Wait for each to dissolve before adding the next
3. Add Phase III ingredients, one at a time, into above batch. Mix thoroughly before adding the next

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Environmental Defense Lotion
Formulation Code: FNTA01-02

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	**42.40**
Polysorbate 20	Liposorb® L-20/Vantage	**1.00**
Phase II		
Glycerin	Glycerin U.S.P. Natural 96%/Cognis Corp.	**4.00**
Xanthan Gum	Keltrol® CG/CP Kelco	**0.20**
Phase III		
C12-15 Alkyl Benzoate	Dermol 25B/Alzo International Inc.	**23.15**
Zinc Oxide (And) Ethylhexyl Methoxycrylene (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Hydrogen Dimethicone	TNSS75MZCM/Kobo Products	**9.80**
Cetearyl Alcohol & Glyceryl Stearate & Coceth-20	Phytomulse® Coconut/Active Concepts	**3.45**
Cocos Nucifera (coconut) Fruit Extract	AcquaSeal® Coconut/Active Concepts	**0.50**
Phase IV		
Silica	MSS-500W/Kobo Products	**3.00**
Polyacrylamide (And) C13-14 Isoparaffin (And) Laureth-7	Sepigel™ 305/Seppic	**1.00**
Phase V		
Salvia Hispanica Seed Extract	Phytofuse Rejuvenate®/Active Concepts	**2.00**
Undaria Pinnatifida Cell Culture Extract	ACB Wakame Bioferment Advanced/ Active Concepts	**1.00**
Hydrolyzed Wheat Protein	AC DermaPeptide Tightening PF/ Active Concepts	**2.00**
Crypthecodinium Cohnii Extract	AC CytoPure PF/Active Concepts	**2.50**
Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment	ACB Bio-Chelate 5 PF/Active Concepts	**2.00**
Phase VI		
Lactobacillus Ferment & Lactobacillus & Cocos Nucifera (coconut) Fruit Extract	Leucidal® SF Complete/Active Micro Technologies	**2.00**

Manufacturing Process:

1. Combine Phase I into main beaker and heat to 70°C.
2. In a separate container, combine Phase II ingredients into a slurry. Add Slowly to Phase I while mixing.
3. Add Phase III to main beaker under homogenization.
4. In a separate container, combine Phase IV ingredients and heat to 70°C.
5. Add Phase IV to main beaker while cooling to 45ºC.
6. Once cooled, add Phase V and VI to main beaker.

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Conditioning Shave Cream
Formulation Code: FNTA01-06

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	**65.00**
Xanthan Gum	Keltrol®/CP Kelco	**1.00**
Water & Saccaromyces Lysate Extract	AC Dermal Respiratory Factor Advanced PF/Active Concepts	**1.00**
Phase II		
Cocos Nucifera (coconut) Fruit Extract	AcquaSeal® Coconut/Active Concepts	**3.00**
Cetyl Alcohol	Cetyl Alcohol/Kao	**2.00**
Stearic Acid	Emersol® 7036/Emery Oleochemical	**4.00**
Macadamia Intergrifolia Seed Oil & Hydrogenated Macadamia Seed Oil	ABS Macadamia Butter/Active Concepts	**5.00**
Sclerocarya Birrea Seed Oil	AC Marula Oil/Active Concepts	**2.00**
Prunus Amygdalus Dulcis (Sweet Almond) Oil	AC Almond Oil/Active Concepts	**8.00**
Phase III		
Cocamidopropyl Betaine	Amphosol® HCG-HP/Stepan	**5.00**
Phase IV		
Leuconostoc/Radish Root Ferment Filtrate & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	Leucidal® Liquid Complete/Active Micro Technologies	**4.00**

Manufacturing Process:

1. Disperse xanthan gum in water with continuous agitation while heating to about 65-70°C.
2. Add AC Dermal Respiratory Factor Advanced PF, mix well.
3. Melt Phase II components in a separate glass beaker by heating them to about 65-70°C.
4. When melted, add Phase II to Phase I, and homogenize the mixture for 5 minutes at 65-70°C.
5. Remove from the heat and start cooling under continuous stirring to 50°C.
6. Once main reaches 50°C, add Phase III and homogenize the mixture.
7. After reaching room temperature, add Phase IV and slowly mix until uniform.

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Anti-Frizz Treatment
Formulation Code: FNHP02-04

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water/Local	**79.25**
Hydrolyzed Silk	AC Silk Hydrolysate PF/ Active Concepts	**1.00**
Disodium EDTA	Disodium EDTA/Spectrum Chemical	**0.05**
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Carbopol® Ultrez 21 Polymer/Lubrizol	**0.25**
Sodium Hydroxide (18%)	Sodium Hydroxide/Sigma-Aldrich	**0.20**
Phase II		
CocosNucifera(Coconut) Fruit Extract	AcquaSeal® Coconut/Active Concepts	**5.00**
PEG-33 and PEG-8 Dimethicone and PEG-14	SilSense® Copolyol-1 Silicone/Lubrizol	**0.25**
Glycerin	Glycern/Dow Chemical	**1.00**
Hydrolyzed Kale Protein & Hydrolyzed Carrot Protein & Hydrolyzed Lemon Protein	ACB Kale Protein Blend/Active Concepts	**1.00**
Cetearyl Alcohol	Lanette® O/BASF	**0.50**
Phase III		
Glycerin & Water & Aloe Barbadensis Leaf Extract	ABS Aloe Extract G /Active Concepts	**2.00**
SelaginellaLepidophylla Extract	Phytofuse Renew®/Active Concepts	**1.50**
Leuconostoc/Radish Root Ferment Filtrate	Leucidal® Liquid SF/Active Micro Technologies	**4.00**
Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	AMTicide® Coconut /Active Micro Technologies	**4.00**

Manufacturing Process:

1. Dissolve disodium EDTA and AC Silk Hydrolysate PF in deionized water. Use heat as necessary.
2. Add Carbopol® Ultrez 21 Polymer. Mix thoroughly.
3. Add sodium hydroxide, adjusting to pH 5.5.
4. Maintain Phase I at a temperature of 70°C.
5. Blend ingredients of Phase II at 70°C. Mix thoroughly.
6. Add Phase II to Phase I with high speed agitation.
7. Once mixed, cool product to 40°C with mixing.
8. Add Phase III ingredients in the order listed individually to main beaker.

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