



Tomorrow's Vision... Today!

Active.Lite® Hair Sample Formulations

Code: 22045
INCI Name: Polyquaternium-80 & Water & Hydrolyzed Pea Protein & Selaginella Lepidophylla Extract
CAS #: N/A & 7732-18-5 & 222400-29-5 & 90106-73-3
EINECS #: N/A & 231-791-2 & N/A & 290-298-0

Sample Finished Formulation Guidelines

Restore & Protect Sulfate Free Shampoo
FNHP02-13 – Restore & Protect Sulfate Free Shampoo

Restore & Protect Masque
FNHP02-14 – Restore & Protect Masque

Version#1/09.13.16



Tomorrow's Vision... Today!®

Restore & Protect Sulfate Free Shampoo Formulation Code: FNHP02-13

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water/Local	Q.S.
Hydrolyzed Milk Protein	AC Milk Hydrolysate SF/Active Concepts	1.00
Salvia Hispanica Seed Extract	Phytofuse Rejuvenate®/Active Concepts	2.00
Hydrolyzed Keratin & Bambusa Arundinacea Leaf Extract & Trametes Versicolor Extract	AC Kerazyme® Protect/Active Concepts	5.50
Phase II		
Glycerin	Glycerin/Dow Chemical	3.00
Xanthan Gum	Keltrol®/CP Kelco	1.00
Phase III		
Wheat Germamidopropyl Betaine	Wheat Germamidopropyl Betaine/Mackam WGB	20.00
Sodium Cocoyl Hydrolyzed Soy Protein	AC Foaming Soy PF/Active Concepts	15.00
Coco/Sunfloweramidopropyl Betaine	Coco/Sunfloweramidopropyl Betaine/Mackam WGB	10.00
Phase IV		
Hydrolyzed Keratin	AC Keratin Hydrolysate 30 PF/Active Concepts	4.00
Silk Amino Acids	AC Silk Amino Acids PF/Active Concepts	4.00
Lactobacillus/Eriodictyon Californicum Ferment Extract	ACB Yerba Santa Glycoprotein PF/Active Concepts	2.00
Polyquaternium-80 & Water & Hydrolyzed Pea Protein & Selaginella Lepidophylla	Active.Lite® Hair/ Active Concepts	5.00
Phase V		
Leuconostoc/Radish Root Ferment Filtrate	Leucidal® Liquid/Active Micro Technologies	4.00
Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	AMTicide® Coconut /Active Micro Technologies	4.00
Citric Acid	Citric Acid 50% Solution	0.20

Manufacturing Process:

- Mix and charge water into main beaker and begin propeller mixing. A vortex should form.
- Charge remaining Phase I ingredients and begin heating to 70°C. Mix until homogenous.
- Pre-mix Phase II ingredients then add to main beaker and mix until homogenous.
- Switch to sweep mixing. At 75°C add each Phase III ingredient individually to the main beaker. Allow each ingredient to disperse completely before adding the next. Begin force cooling.
- At 50°C, add Phase IV ingredients individually to the main beaker and mix until homogenous.
- Once mixture is below 40°C add Phase V ingredients mixing thoroughly.
- Adjust pH if necessary using Citric Acid 50% solution.

Version#1/09-14-16

Restore & Protect Masque

Formulation Code: FNHP02-14

Ingredient	Trade Name/Vendor	%
Phase I		
Punica Granatum Sterols	ABS Pomegranate Sterols/Active Concepts	42.40
Cyclopentasiloxane & Dimethicone/Silsesquioxane Copolymer & Silk & Malva Sylvestris (Mallow) Extract & Lilium Candidum Bulb Extract & Lactobacillus/Eriodictyon Californicum Ferment Extract & Cymbidium Grandiflorum (Orchid) Flower Extract	SilDerm® Conditioning/Active Concepts	1.00
Stearamidopropyl Dimethylamine	Tego® Amid S18/Evonik	0.30
Cetyl Esters	Cetyl Esters Wax /Spectrum Chemical	1.50
Cetearyl Alcohol & Glyceryl Stearate & Almondeth-20	Phytomulse® Almond/Active Concepts	5.00
PPG-3 Benzyl Ether Myristate	CRODAMOL STS/Croda	4.00
Phormium Tenax Seed Oil	AC Flax Seed Oil CLA/Active Concepts	1.00
Prunus Amygdalus (Sweet Almond) Dulcis Oil	AC Almond Oil/Active Concepts	1.00
Limnanthes Alba (Meadowfoam) Seed Oil	AC Meadowfoam Oil/Active Concepts	1.00
Phase II		
Water	Water/Local	68.61
Citric Acid	Citric Acid/Sigma-Aldrich	0.04
Polyquaternium-80 & Water & Hydrolyzed Pea Protein & Selaginella Lepidophylla Extract	Active.Lite® Hair /Active Concepts	5.00
Phase III		
Hydrolyzed Rice Protein	AC Rice Hydrolysate PF/Active Concepts	1.00
Butylene Glycol & Water & Chamomilla Recutita (Matricaria) Flower Extract	ABS Chamomile Extract PF/Active Concepts	0.05
Water & Hydrolyzed Vegetable Protein PG-Propyl Silanetriol	AC Keratin Hydrolysate SILOX /Active Concepts	1.00
Phase IV		
Leuconostoc/Radish Root Ferment Filtrate	Leucidal® Liquid/Active Micro Technologies	4.00
Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	AMTicide® Coconut/Active MicroTechnologies	4.00

Manufacturing Process:

1. Combine ingredients of Parts I and II separately with mixing and heat to 75°C.
2. Add Part II to Part I, mixing well.
3. Cool to 50°C and add ingredients of Part III with mixing.
4. Cool to 35°C and add Part IV.
5. Cool to room temperature and adjust pH to 4.5, if necessary.