

# ABS Pomegranate Sterols Sample Formulations

**Code:** 10247  
**INCI Name:** Punica Granatum Sterols  
**CAS #:** 949109-75-5  
**EINECS #:** N/A

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## Sample Finished Formulation Guidelines

### Split End Masque

FNHP02-08– Split End Masque

### Pro-Aging Night Cream

FNHP02-12-Pro-Aging Night Cream

### Volumizing Mascara

FNHP02-22-Volumizing Mascara

# Split End Masque

## Formulation Code: FNHP02-08

Ingredient	Trade Name/Vendor	%
<b>Phase I</b>		
Punica Granatum Sterols	ABS Pomegranate Sterols/Active Concepts	<b>42.40</b>
Cyclopentasiloxane & Dimethicone/Bis-Vinyldimethicone/ Silsesquioxane Crosspolymer & Silk	SilDerm® Softening/Active Concepts	<b>1.00</b>
Stearamidopropyl Dimethylamine	Tego® Amid S18/Evonik	<b>0.30</b>
Cetyl Esters	Cetyl Esters Wax /Spectrum Chemical	<b>1.50</b>
Cetearyl Alcohol & Glyceryl Stearate & Almondeth-20	Phytomulse® Almond/Active Concepts	<b>5.00</b>
PPG-3 Benzyl Ether Myristate	CRODAMOL STS/Croda	<b>4.00</b>
Olea Europea (Olive) Fruit Oil	AC Olive Oil Clear/Active Concepts	<b>1.00</b>
Prunus Amygdalus (Sweet Almond) Dulcis Oil	AC Almond Oil/Active Concepts	<b>1.00</b>
Limnanthes Alba (Meadowfoam) Seed Oil	AC Meadowfoam Oil/Active Concepts	<b>1.00</b>
<b>Phase II</b>		
Water	Water/Local	<b>68.61</b>
Citric Acid	Citric Acid/Sigma-Aldrich	<b>0.04</b>
Hydroxypropyltrimonium Hydrolyzed Rice Protein/Siloxysilicate & Oryza Sativa (Rice) Extract	AC Split End Complex/Active Concepts	<b>5.00</b>
<b>Phase III</b>		
Glycerin & Mentha Piperita (Peppermint) Extract & Rosmarinus Officinalis (Rosemary) Leaf Extract & Vitis Vinifera (Grape) Seed Extract	ABS Mint Blend G PF/Active Concepts	<b>1.00</b>
Butylene Glycol & Water & Chamomilla Recutita (Matricaria) Flower Extract	ABS Chamomile Extract PF/Active Concepts	<b>0.05</b>
Water & Hydrolyzed Vegetable Protein PG-Propyl Silanetriol	AC Keratin Hydrolysate SILOX /Active Concepts	<b>1.00</b>
<b>Phase IV</b>		
Leuconostoc/Radish Root Ferment Filtrate	Leucidal® Liquid/Active Micro Technologies	<b>4.00</b>
Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	AMTicide® Coconut/Active MicroTechnologies	<b>4.00</b>

### Manufacturing Process:

1. Combine ingredients of Parts I and II separately with mixing and heat to 80°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.



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# Pro-Aging Night Cream

## Formulation Code: FNHP02-12

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

### 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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# Volumizing Mascara

## Formulation Code: FNHP02-22

Ingredient	Trade Name/Vendor	%
<b>Phase I</b>		
Water	Water/Local	<b>40.90</b>
Punica Granatum Fruit Juice	Organic Pomegranate Juice FD/Arbor Organic Technologies	<b>2.00</b>
Populus Tremuloides (Aspen) Bark Extract	PhytoCide Aspen Bark Extract Powder/Active Micro Technologies	<b>2.00</b>
Saccharomyces/Agave Americana Leaf Ferment Filtrate	ACB Agave HSP/Active Concepts	<b>2.00</b>
Water & Lactobacillus/Tomato Fruit Ferment Extract & Oryza Sativa (Rice) Extract & Keratin Amino Acids & Acyl Coenzyme A Desaturase	AC Rice Curl Complex PF/Active Concepts	<b>2.00</b>
Water & Rice Amino Acids & Lactobacillus/Date Fruit Ferment Extract & Polyperfluoroethoxymethoxy Difluoroethyl PEG Phosphate	AC Volumizing Complex PF /Active Concepts	<b>2.00</b>
Hydroxypropyltrimonium Rice Protein	AC Quaternized Rice Shine/Active Concepts	<b>2.00</b>
Propylene Glycol	Propylene Glycol/Spectrum Chemical	<b>2.00</b>
Triethanolamine	TEALan 99%/Rita Corp.	<b>0.50</b>
Panthenol	Panthenol/Spectrum Chmical	<b>0.10</b>
<b>Phase II</b>		
Hydroxyethylcellulose	Natrosol™/Ashland	<b>0.50</b>
<b>Phase III</b>		
VP/VA Copolymer	PVP/VA W-635/Ashland	<b>3.00</b>
<b>Phase IV</b>		
Punica Granatum (Pomegranate) Sterols	ABS Pomegranate Sterols/Active Concepts	<b>4.00</b>
Squalane	ABS Amaranthus Squalane/Active Concepts	<b>4.00</b>
Phenyl Trimethicone	Dow Corning® 556 Cosmetic Fluid/Dow Corning	<b>4.00</b>
Beeswax	White Beeswax SP-422P/Strahl & Pitsch	<b>3.00</b>
Stearic Acid	Stearic Acid/Rita Corp.	<b>3.00</b>
Bis-Diglyceryl Polyacyladipate-2	Softisan® 649/Sasol	<b>3.00</b>
Microcrystalline Wax	Microcrystalline Wax SP-18/Strahl & Pitsch	<b>2.00</b>
Glyceryl Stearate	Protachem GMS-450/Protameen	<b>2.00</b>
Sorbitan Sesquioleate	Jeechem SOC/Jeen	<b>2.00</b>
<b>Phase V</b>		
Iron Oxides	Unipure Black LC989 EM/Sensient	<b>10.00</b>
<b>Phase VI</b>		
Leuconostoc/Radish Root Ferment Filtrate & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	Leucidal® Liquid Complete/Active Micro Technologies	<b>4.00</b>

### Manufacturing Process:

- Phase I:** Charge water and begin heating to 75°C. Add remaining Phase I ingredients. Mix until homogenous.
- Phase II:** Slowly sprinkle Phase II into batch. Mix until homogenous.
- Phase III:** Add Phase III to main batch. Mix until homogenous.
- Phase IV:** In a separate beaker, heat Phase IV to 75°C while mixing. Mix until homogenous. Add Phase IV to main batch. Mix until homogenous.
- Phase V:** Add Phase V to main batch. Mix until dispersed. Then homogenize batch for 3-5 min. Remove heat. Switch to slow sweep mixing.
- Phase VI:** At 50°C add Phase VI to batch and mix until homogenous. Continue slowly sweep-mixing, while cooling. Fill samples @ 30°C.