



Product Formulation

Scalp Therapy Shampoo

PHC-PF-23-087

Experience a good and tangle-free wash for your hair made from sustainable coconut-based ingredients. Contains natural active ingredients to help the scalp maintain its natural microbiome.

Phase	Ingredient	INCI	Function	%
A1	Water	Aqua	Diluent	43.85
A2	Polyquaternium-10	Polyquaternium-10	Conditioning Agent	0.50
A3	Glysoft RG	Glycerin	Humectant	2.00
A4	Tetrasodium EDTA	Tetrasodium EDTA	Chelating Agent	0.10
A5	Sodium Lauroyl Sarcosinate	Sodium Lauroyl Sarcosinate	Surfactant	15.00
A6	Sufrosoft HS100	Cocamidopropyl Hydroxysultaine	Co-Surfactant	10.00
A7	Sodium Cocoyl Glutamate	Sodium Cocoyl Glutamate	Co-Surfactant	20.00
A8	Glysoft SF	Cocoglycerides	Superfating Agent	1.00
A9	NatPro 9000	Glyceryl Caprylate (and) Glyceryl Caprate (and) Glyceryl Laurate (and) Caprylhydroxamic Acid	Preservative	1.00
A10	Cetearyl Oliviate, Sorbitan Oliviate	Cetearyl Oliviate, Sorbitan Oliviate	Emulsifier	1.00
A11	Pearlux EMGS	Ethylene Glycol Monostearate	Pearlizing, Opacifier	1.00
A12	Peppermint Oil	<i>Mentha Piperita</i> (Peppermint) Oil	Active	0.25
A13	Fragrance		Parfum	0.30
A14	D-Panthenol	D-Panthenol	Humectant	0.50
A15	Inulin (and) Alpha-Glucan Oligosaccharide	Inulin (and) Alpha-Glucan Oligosaccharide	Active	0.50
A16	Citric Acid	Citric Acid	pH Adjuster	3.00
TOTAL				100.00

Formulation Benefits

- ✓ Made from sustainable coconut-based ingredients
- ✓ Rich satisfying foam
- ✓ Made with anti-frizz conditioning agents

Key Ingredients

Glysoft SF

- ✓ Skin Conditioner
- ✓ Foam booster and stabilizer
- ✓ Provides superfating function
- ✓ ISO 16128: 100%

Pearlux EGMS

- ✓ Lustrous sheen effect on the finished product
- ✓ Compatible with most anionic, non-ionic and cationic surfactants
- ✓ ISO 16128: 85%



NatPro 9000

- ✓ Natural preservative and anti-microbial active
- ✓ Effective at pH 4.0 – 7.0
- ✓ Derived from sustainable coconut oil
- ✓ ISO 16128: 98%

All data, formulations and information provided herein have not been comprehensively tested and are not represented as suitable for any particular uses. Statement concerning possible or suggested uses made herein may not be relied upon or be construed as a guaranty of no patent infringement. Users have the sole responsibility and obligation for making preliminary tests to determine the suitability of the sample formulations described herein for any application, to make tests before use in any specific applications, and to confirm the performance, efficacy, safety and regulatory compliance of such products for their particular use.

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Procedure

1	In an appropriate container, load distilled water. Start agitation.
2	Add polyquaternium-10. Mix continuously until fully dissolved.
3	Add ingredients from Phase A3 to A9 one by one while mixing and while heating up to 70 - 75°C.
4	At the target temperature add Cetearyl Oliviate (and) Sorbitan Oliviate and Pearlux EGMS . Mix until homogenous. Cool down to 40 - 45°C.
5	Add remaining ingredients from A12 to A14. Mix until homogenous.
6	Fill in the desired container.

Specification

Appearance	Opaque liquid
pH (as is)	5.49
Viscosity (mPas)	2,200 mPas (S#62 @2.0 rpm)

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