



# Product Formulation

## Color Protection Shampoo

PHC-PF-22-129

A shampoo that has good and rich foam. Protects your color, gives natural conditioning, and prevents frizz.

Phase	Ingredient	INCI	Function	%
A1	Water	Aqua	Diluents	q.s.
A2	Methylglycinediacetic Acid	Methylglycinediacetic Acid	Chelating Agent	0.10
A3	Sufravon 869	Potassium Cocoate	Surfactant	10.00
A4	Sufrosoft CB30	Cocamidopropyl Betaine	Co-Surfactant	30.00
A5	Glysoft SF	Cocoglycerides	Superfating Agent	0.50
A6	Suframide HF850	Cocamide MEA	Foam Booster	2.00
B1	PEG-40 HCO	PEG-40 Hydrogenated Castor Oil	Solubilizer	0.50
B2	Fragrance		Parfum	0.50
C1	Panthenol	Panthenol	Humectant	0.20
C2	PEG-120 Methyl Glucose Trioleate (and) Propanediol	PEG-120 Methyl Glucose Trioleate (and) Propanediol	Thickener	1.50
C3	Preservative		Preservative	0.80
C4	Citric Acid, 10%	Citric Acid	pH Modifier	q.s.
C5	Pearlux PB40	Glycol Distearate, Sodium Laureth Sulfate, Laureth-10, Cocamide MEA	Pearlizer	2.50
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Good and rich foam
- ✓ Natural conditioning
- ✓ Coconut-based ingredients

### Key Ingredients

#### Sufravon 869

- ✓ 100% Plant-based Ingredients
- ✓ Wide compatibility with different surfactants
- ✓ ISO 16128: 100%



#### Glysoft SF

- ✓ Skin Conditioner
- ✓ Foam Booster and Stabilizer
- ✓ ISO 16128: 100%



#### Suframide HF850

- ✓ Foam and Viscosity Building
- ✓ Nitrosamine-Free
- ✓ ISO 16128: 77%



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

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1	Add Water to a clean container. Start mixing.
2	Add chelating agent, mix until fully dissolved.
3	Add <b>Sufravon 869</b> , <b>Sufrasoft CB30</b> , <b>Glysoft SF</b> and <b>Sufamide HF850</b> . Mix well after each addition.
4	In a separate container, mix the solubilizer and fragrance. Add into Phase A. Mix until clear and homogenous.
5	Add remaining ingredients one by one while mixing until fully incorporated.
6	Adjust pH with 10% citric acid solution with continuous mixing.
7	Add <b>Pearlux PB40</b> . Mix until homogenous. Transfer to the desired container.

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## Specification

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Appearance	Pearlized, slightly viscous liquid
pH	5.80
Viscosity	1,250 mPas

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