



# Product Formulation

## Bar Shampoo

PHC-PF-21-053

Cleanse your hair the environmentally friendly way using this bar shampoo. This formulation conserves water, while also saving on the packaging thus reducing its carbon footprint.

Phase	Ingredient	INCI	Function	%
A1	Sufravon SN100	Sodium Cocoate	Soap Base	30.30
A2	Sodium Cocoyl Isethionate	Sodium Cocoyl Isethionate	Surfactant	55.00
A3	Glyzer CB100	<i>Cocos nucifera</i> (Coconut) Seed Butter	Emollient	1.00
A5	Fragrance		Parfum	0.50
B1	Water	Aqua	Diluents	5.50
B2	Suframide HF850	Cocamide MEA	Foam Booster	5.50
B3	Citric Acid	Citric Acid	pH Adjuster	1.00
C1	Etidronic Acid	Etidronic Acid	Chelating Agent	0.20
C2	Green Tea Extract	<i>Camellia sinensis</i> (Green Tea) Leaf Extract	Anti-oxidant	1.00
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Deep cleansing formula
- ✓ Higher active content compared to typical bottled shampoos
- ✓ Less carbon footprint

### Key Ingredients

#### Sufravon SN100

- ✓ 100% Plant-based material
- ✓ Excellent foaming and cleaning
- ✓ ISO-16128: 100% Natural

#### Glyzer CB100

- ✓ Moisturizing
- ✓ Softens skin
- ✓ Naturally derived
- ✓ ISO-16128: 100% Natural



#### Suframide HF850

- ✓ Foam and viscosity building
- ✓ Nitrosamine-free
- ✓ ISO-16128: 77% Natural



Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard

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 Mix together **Sufravon SN100**, sodium cocoyl isethionate, **Glyzer CB100** and fragrance together using a ribbon blender for uniform mixing.
- 2 In a small mixing vessel mix together distilled water, **Suframide HF850**, and citric acid. Add to the ribbon blender and mix until well dispersed.
- 3 Add remaining ingredients one at a time. Mix using ribbon blender until a soft solid consistency is achieved.
- 4 Press into shape using a pneumatic press.

## Specification

Appearance	Solid bar
pH @ 1.0%	7.57
Foam Height	18.5

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