



# Product Formulation

## Beard Shampoo Bar

PHC-PF-22-008

An easy-to-use mild cleansing formulation specific for beards. It uses coco-surfactants and contains coconut oil to not just remove dirt and excess oil of beards but also conditions facial hair and moisturizes skin all at the same time.

Phase	Ingredient	INCI	Function	%
A1	Sufravon SN100	Sodium Cocoate	Soap Base	30.00
A2	Sodium Cocoyl Isethionate	Sodium Cocoyl Isethionate	Surfactant	52.80
A3	Glyzer CB100	<i>Cocos nucifera</i> (Coconut) Seed Butter	Emollient	2.00
B1	Water	Aqua	Diluent	5.00
B2	Sufamide HF850	Cocamide MEA	Co-Surfactant	3.00
B3	Lauryl Glucoside	Lauryl Glucoside	Co-Surfactant	5.00
B4	EDTA	Tetrasodium EDTA	Chelating Agent	0.50
B5	Etidronic Acid	Etidronic Acid	Chelating Agent	0.20
B6	Fragrance		Parfum	0.50
B7	Tea Tree Extract	<i>Melaleuca alternifolia</i> (Tea Tree) Leaf Extract	Active	1.00
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Gentle on your beard
- ✓ Fragrance and petroleum free
- ✓ Bar form, no wasteful packaging

### Key Ingredients

#### Sufravon SN100

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

#### Glyzer CB100

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



#### Sufamide HF850

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

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 and **Glyzer CB100** using a ribbon blender for uniform mixing.
- 2 In a separate mixing vessel combine water, **Suframide HF850**, lauryl glucoside, EDTA, etidronic acid, fragrance and Tea Tree Extract. Mix until homogeneous.
- 3 Add Phase B to the ribbon blender and mix until well blended. End appearance should be a soft solid. Optional to add colorant.
- 4 Press into shape using a pneumatic press or soap extruder.

## Specification

Appearance	Solid bar
Foam Height	20
pH @ 1.0%	8.20

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