		Trade Name	INCI Name	%	Supplier	Function
A	1	DI Water	Water	66.10		Diluent
	2	SLES	Sodium Laureth Sulphate	15.00		Surfactant
	3	TC-CAB35	Cocamidopropyl Betaine	5.00	TINCI	Amphoteric surfactant
	4	CDE	Cocamide DEA	2.00		Thickener
	5	Amin CA30	Sodium Cocoyl Alaninate	5.00	TINCI	Mild surfactant
B	6	Guar 16S	Hydroxypropyl Guar Hydroxylpropyltrimonium Chloride	0.15	TINCI	Conditioning agent
	7	DI water	Water	5.00		Diluent
C	8	Troycare FE03	Iodopropynyl Butylcarbamate, Phenoxyethanol	0.60	Troy	Preservative
	9	Citric Acid	Citric Acid	0.15		pH adjuster
	10	Sodium Chloride	Sodium Chloride	1.00		Thickener

Formulation Features:

Economic formulation with clear appearance hair shampoo that improves wet and dry combability. Addition of Amin CA30 produce good foam and mildness.

Functional Ingredients:

Amin CA30 ECOCERT COSMETICS
- Amino acid surfactant
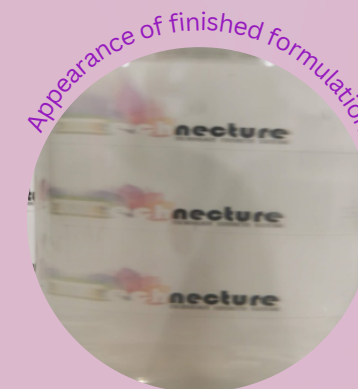- Good foaming and mildness

TC-CAB35 ECOCERT COSMETICS
- Amphoteric mild surfactant
- Viscosity builder

Active Ingredients:

Guar 16S
- Guar conditioning agent
- For clear formulation

Procedure:

1. Add A2 into water and stir until dissolved.
2. While heating the bulk to 70-75C, continue to stir in other ingredients one by one until well dissolved.
3. Disperse B6 into water. Add into step 2 and stir well for 10-15minutes.
4. Start bulk cooling and add C8.
5. Adjust pH and viscosity.

Product Properties @ 25°C:

Appearance : Clear liquid
Viscosity (RVT, sp 4, 20 rpm): 4000-6000cps
pH: 6.00-6.50

Stability Test:
- Passed 3 months RT and 45C oven test

Remarks:

***Suggested active ingredients:**

1. **Biolin/P**- Prebiotics, hydrating in leave on and rinse off formulation.
2. **Hocox**- Natural foaming/cleansing booster with an anti-bacterial effect

Appearance of finished formulation

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