

## Shampoo

### Ingredients

Phase	%w/w input	Ingredient
A	34.00	Water
A	0.10	Sodium phytate (Dermofeel PA-3)
A	3.00	Polyquaternium-78 (Polysugaquat L-1010P)
A	3.00	Baobab protein
A	1.00	Blue lotus extract - butylene glycol
A	1.00	Marshmallow extract - glycerin
B	23.00	Sodium lauryl sarcosinate (30% surfactant)(Medialan LD)
B	20.00	Cocamidopropyl hydroxysultaine (50% surfactant) (Mackam 50-SB)
C	4.00	Sorbitan oleate decylglucoside crosspolymer (Polysugamulse D9)
C	0.20	Cedarwood Atlas (Cedrus Atlantica) wood essential oil
C	0.60	Lavender (Lavandula angustifolia) flower essential oil
C	0.20	Bergamot (Citrus aurantium bergamia) fruit peel essential oil
C	0.10	Tocopherol - d-alpha 70%
D	7.00	Glycerin
D	2.00	Caesalpinia spinosa gum (Solagum Tara)
E	0.80	Caprylhydroxamic acid, caprylyl glycol, glycerin (Spectrastat)
	q.s.	pH Adjuster

### Method

1. Combine phase A. Stir under low shear until homogenous.
2. Combine phase B. Add phase B under low shear to phase A. Take care not to introduce too much air/foam while stirring.
3. Combine phase C. Add phase C to phase A/B slowly and stir through under low shear until homogenous. Take care not to introduce too much air/foam while stirring.
4. Combine phase D. Add to phase A/B/C and stir through under low shear until homogenous. Take care not to introduce too much air/foam while stirring.
5. Add phase E and stir through until homogenous. Take care not to introduce too much air/foam while mixing.
6. Check/adjust pH to 5.3 - 5.8. Allow foam to settle completely before pouring off.