

## Shampoo (All natural)

### Ingredients

Phase	%w/w input	Ingredient
A	66.70	Water
A	0.10	Sodium phytate (Dermofeel PA-3)
B	8.00	Sodium coco-sulfate (95% active) (Sulfofon 1216G)
B	8.50	Caprylyl/Capryl Glucoside (60%) (Oramix CG110/Plantacare 810UP)
C	5.00	Tegosolve 61
C	0.10	Argan oil
C	0.20	Bergamot (Citrus aurantium bergamia) fruit peel essential oil
C	0.20	Cedarwood Virginian (Juniperus virginiana) wood essential oil
C	0.60	Lemongrass (Cymbopogon citratus) leaf essential oil
C	0.10	Tocopherols - mixed
D	7.00	Glycerin
D	2.50	Acacia & xanthan gum (Solagum AX)
E	1.00	Dehydroacetic acid, benzyl alcohol (Geogard 221)
	q.s.	pH Adjuster

### Method

1. Combine phase A. Stir under low shear until homogenous.
2. Heat phase A gently to 55°C. Add phase B and stir through until fully dissolved/homogenous. Remove from heat and continue stirring until <40°C. Careful not to introduce too much air 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 - 5.3. Allow foam to settle completely before pouring off.