Cold Process Sulphate Free Shampoo/Bodywash Bar

Formulation Reference: FM00144/D

A versatile rich foamy shampoo bar which can also be used as a bodywash. Simple to make, cold process and sulphate free! With conditioning ingredient ***Texique CS-P***, which helps improve hair wet and dry comb. Contains nourishing ***Texiterra Marula Oil*** to leave hair silky-soft and ***Texiterra Raspberry Seed Oil*** which helps improve hair shine.

Phase	INCI Ingredients	Function	% w/w	Trade Name
A	Sodium Cocoyl Isethionate	Surfactant	37.00	Sodium Cocoyl Isethionate Powder [1]
	Sodium Lauryl Sulfoacetate	Surfactant	20.00	Sodium Lauryl Sulfoacetate Powder [1]
	Zea Mays (Corn) Starch	Bulking agent / moisture absorber	8.00	Corn Starch [2]
	Kaolin	Bulking agent / moisture absorber	4.00	White Clay [3]
	Starch Hydroxypropyltrimonium Chloride	**Conditioner**	**3.00**	**Texique CS-P [4]**
	Citric acid	pH adjuster	0.25	Citric acid monohydrate granular [5]
B	**Rubus Idaeus Seed Oil**	**Emollient / softening / shine**	2.00	**Texiterra Raspberry Seed Oil [4]**
	Scierocarya Birrea Seed Oil	**Emollient / softening / shine/ nourishes**	**1.50**	**Texiterra Marula Oil [4]**
	Lavandula Angustifolia (Lavender) Oil	Essential Oil / Fragrance	1.30	Lavender Essential Oil, 40/42 [6]
	Rosmarinus Officinalis Leaf Oil	Essential Oil / Fragrance	0.60	Rosemary (Camphor) Essential Oil [7]
	Cupressus Funebris Wood Oil	Essential Oil / Fragrance	0.60	Cedarwood Essential Oil [7]

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	Cocomidopropyl Betaine (and) Aqua (and) Sodium Chloride	Surfactant	6.75	Tego Betaine F50 [5]
	Decyl Glucoside (and) Aqua	Surfactant	14.00	Decyl Glucoside [1]
	Benzyl Alcohol (and) Benzoic Acid (and) Dehydroacetic Acid (and) Tocopherol	Preservative	1.00	Euxyl K 903 [8]
	CI 60730	Colour	QS	D&C Violet 2 EXT
	CI 17200	Colour	QS	FD&C Red 33

Suppliers: [1] Bay House Ingredients | [2] Cosmetics Made Easy | [3] Aromatic Online | [4] **Scott Bader** | [5] Evonik | [6] The Soap Kitchen | [7] O&3 | [8] Ashland |

Preparation procedure

1. Whilst wearing a dust mask weigh out Phase A powders into a suitable vessel. Stir to combine uniformly. Powders may be sieved during addition to ensure no lumps.

2. Add Phase B materials individually with mixing.

3. Stir well with a silicone spatula to combine all wet and dry materials ensuring no lumps of concentrated materials. Whilst wearing gloves blend thoroughly with hands until uniform and a stiff, easily mouldable paste is formed.

4. If the paste is too sticky, add more Corn Starch or White Clay. If paste is too dry add more Cocomidopropyl Betaine.

5. Shape bar by hand or press into a mould. Leave for 3 hours.

6. Unmould the bar and leave to dry for at least 3 days.

7. Test pH by shredding small amount of bar and making a 10% solution in deionised water. pH specification: 5.00 to 6.00

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