

Moisturizing Hair Shampoo for Body and Volume - 1117

Ingredient	Function	Percent	Wgt (g)	Wgt (oz)	Vol (tsp.)
Phase A					
Distilled Water (aqua)		46.00	110.40	3.89	22.08
Aloe Vera 10x Concentrate (aloe barbadensis)		0.50	1.20	0.04	0.24
Glycerin (glycerin)		4.00	9.60	0.34	1.92
Guar Gum, Cationic (guar hydroxypropyltrimonium chloride)		0.50	1.20	0.04	0.24
Phase B					
Alpha Olefin Sulfonate (sodium C14-16 alpha olefin sulfonate)		27.00	64.80	2.29	12.96
Polyglucose (decyl glucoside)		10.00	24.00	0.85	4.80
Quaternium-31 (dicetyldimonium chloride, isopropyl alcohol)		4.00	9.60	0.34	1.92
PEG-150 Distearate (PEG-150 distearate)		2.00	4.80	0.17	0.96
PEG-7 Glyceryl Cocoate (PEG-7 glyceryl monococoate)		2.00	4.80	0.17	0.96
Phase C					
Provitamin B5 (d-panthenol, water)		2.00	4.80	0.17	0.96
Phenoxyethanol SA (phenoxyethanol, sorbic acid, caprylyl glycol)		1.50	3.60	0.13	0.72
Fragrance Clean Linen		0.50	1.20	0.04	0.24

Method

Add phase A into a disinfected glass beaker, sprinkle the guar gum into the water and mix well to avoid the formation of lumps. Add phase B into a separate beaker and heat to 150C/65F to melt the peg-150 distearate. Add phase A to phase B and stir gently to mix all ingredients. Add phase C to phase A/B and stir again until it is a homogeneous solution.

Properties

Aloe vera adds moisture and so does the provitamin B5, quaternium-31 improves wet & dry combing and provides increased body & volume. The combination of Alpha Olefin Sulfonate and Polyglucose provide deep but mild cleansing.