

Pearlizing Mild Hair Shampoo - 1114

Ingredient	Function	Percent	Wgt (g)	Wgt (oz)	Vol (tsp.)
Phase A					
Distilled Water (aqua)		46.50	111.60	3.94	22.32
Guar Gum, Cationic (guar hydroxypropyltrimonium chloride)		0.50	1.20	0.04	0.24
Glycerin (glycerin)		2.00	4.80	0.17	0.96
Phase B					
Alpha Olefin Sulfonate (sodium C14-16 alpha olefin sulfonate)		30.00	72.00	2.54	14.40
Coco Betaine (cocamidopropyl betaine)		10.00	24.00	0.85	4.80
Polyglucose (decyl glucoside)		4.00	9.60	0.34	1.92
Glycol Stearate IP (glycol stearate, stearamide AMP)		4.00	9.60	0.34	1.92
Phase C					
Provitamin B5 (d-panthenol, water)		1.00	2.40	0.08	0.48
Phenoxyethanol SA (phenoxyethanol, sorbic acid, caprylyl glycol)		1.50	3.60	0.13	0.72
Fragrance Coconut Lime Verbena		0.50	1.20	0.04	0.24

Method

Add phase A into a disinfected glass beaker and stir well to dissolve the gum. Adjust the pH between pH5-6 with citric acid. Add phase B into a separate beaker and heat the ingredients to 150F/65C to melt the glycol stearate IP. Add phase A to phase B and stir gently to mix all ingredients, avoiding the formation of foam. Add phase C to phase A/B when cooled to 100F/40C, and stir again until it is a homogeneous solution. Check final pH, best between 5-6.

Properties

Mild basic creamy hair shampoo for all hair types. Provitamin B5 provides moisturizing effect and shine, Glycol Stearate IP adds the pearl shine to the shampoo and the cationic guar gum will have a conditioning effect on the hair.