

Pearlizing Mild Hair Shampoo

(Sample Recipe for Guar Gum)

Pearlizing Mild Hair Shampoo

Phase A	Weight %	For 240 g / 8.5 oz
Warm Distilled Water (diluent)	44.5 %	107 g / 3.8 oz / 1/3 cup 2 Tbsp
Guar Gum (thickener/conditioner)	0.5 %	1.2 g / 0.1 oz 1/2 tsp
Glycerin_(<u>humectant</u>)	4 %	9.6 g / 0.3 oz / 2 tsp
Phase B		
Alkyl Sulfonate (cleansing agent)	30 %	72 g / 2.6 oz / 1/4 cup 2 tsp
Coco Betaine (cleansing agent)	10 %	24 g / 0.9 oz / 1 3/4 Tbsp
Polyglucose (cleansing agent)	4 %	9.6 g / 0.3 oz / 2 tsp
Glycol Stearate IP (pearlizer)	4 %	9.6 g / 0.3 oz / 1 Tbsp 1/2 tsp
Phase C		
Provitamin B5 (active ingredient)	1 %	2.4 g / 0.1 oz 55 drops
Phenoxyethanol/SA_(preservative)	1.5 %	3.6 g / 0.1 oz / 80 drops
Fragrance	0.5 %	1.2 g / 0.05 oz 25 drops

Method

Add phase A into a disinfected glass beaker and stir well to dissolve the gum. 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. Add phase C to phase A/B when cooled to 100F/40C, and stir again until it is a homogenous solution.

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.