

Pearlizing Mild Hair Shampoo

(Sample Recipe for Alkyl Sulfonate)

Pearlizing Mild Hair Shampoo		
Phase A	Weight %	For 240 g /8.5 oz
Warm Distilled Water (diluent)	55 %	132 g / 4.7 oz / 1/2 cup 1 Tbsp
Guar Gum (thickener/conditioner)	0.5 %	1.2 g / 0.1 oz 1/2 tsp
Glycerin (humectant)	4 %	9.6 g / 0.3 oz / 2 tsp
Phase B		
Alkyl Sulfonate (cleansing agent)	20 %	48 g / 1.7 oz / 3 3/4 Tbsp
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 B (active ingredient)	1 %	2.4 g / 0.1 oz 55 drops
Paraben- DU (preservative)	1 %	2.4 g / 0.1 oz or 55 drops
Fragrance	0.5 %	1.2 g / 0.05 oz 25 drops
Method		
<p>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.</p>		
Properties		
<p>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. The surfactants are very mild and gentle to the hair.</p>		