

Sheabutter UV Hair Polish

Phase A	Weight %	For 100 g / 3.6 oz
Distilled Water (diluent)	73.1 %	73.1 g / 2.6 oz
Propyltrimonium (conditioner)	2 %	2 g / ½ tsp
Glycerin (humectant)	4 %	4g / 1tsp
Phase B		
Sheabutter (emollient/humectant)	3 %	3g / ¾ tsp
Cetearthe-20 (emulsifier)	2 %	2g / ¾ tsp
Cetyl Alcohol (thickener/softener)	3 %	3 g / 1 tsp
Beeswax (thickener)	3 %	3 g / 1 ½ tsp
OM-Cinnamate (sunscreen)	1 %	1 g / 22 drops
Phase C		
GelMaker EMU (thickener)	2 %	2 g / ½ tsp
Cyclo-Dimethicone (emollient)	5 %	5 g / 1 tsp
Phase D		
Provitamin B5 (active ingredient)	0.5 %	0.5 g / 11 drops
Paraben-DU (preservative)	1 %	1 g / 22 drops
Fragrance	0.3 %	0.3 g / 7 drops
Citric Acid (acidulant)	0.1 %	0.1 g / 1/16 tsp

Method

Add phase A into a disinfected glass beaker and heat to 150F/67C. Add phase B into another heat resistant glass beaker and heat to the same temperature to melt the ingredients. Add phase B to phase A and stir well. Remove from the heat. After the temperature has dropped below 120F/49C, add phase C to phase A/B and stir very well. The GelMaker EMU will thicken the cream. At last add phase D one by one and stir again well. Adjust the ph value to 4-5.5 with citric acid. 1/16th tsp may not be enough to lower the pH. Test final pH.

Properties

Creamy Hair Polish with moisturizing sheabutter and om-cinnamate for sunprotection. Cyclo-dimethicone is a silicone emollient that softens and conditions as does the cetyl alcohol. The "Hair Polish" is a bit heavier containing more butter and wax than the lighter cream-based "Hair Balm".