

Rich an Creamy Hair Conditioner

(Sample Recipe for CreamMaker CAT)

Rich and Creamy Hair Conditioner

| Phase A | Weight % | For 240 g /8.5 oz |
|-------------------------------------------------------|----------|---------------------------------|
| Distilled Water (diluent) | 79.6 % | 191 g / 6.8 oz / 1/3 cup 2 tsp |
| Guar Gum (thickener/conditioner) | 0.5 % | 1.2 g / 0.05 oz / 1/2 tsp |
| Glycerin (humectant) | 2 % | 4.8 g / 0.2 oz / 1 tsp |
| Propylene Glycol (humectant) | 2 % | 4.8 g / 0.2 oz / 1 tsp |
| Phase B | | |
| Cetyl Alcohol (thickener/softener) | 3 % | 7.2 g / 0.3 oz / 1 Tbsp |
| <u>CreamMaker CAT</u> (conditioning emulsifier blend) | 4 % | 9.6 g / 0.3 oz / 1 Tbsp 1/2 tsp |
| PEG-150 Distearate (thickener/emulsifier) | 1 % | 2.4 g / 0.1 oz / 1 1/4 tsp |
| Meadowfoam Seed Oil (emollient) | 3 % | 7.2 g / 0.3 oz / 1 1/2 tsp |
| Olive Oil (emollient) | 1 % | 2.4 g / 0.1 oz / 1/2 tsp |
| Cyclo- <u>Dimethicone</u> (emollient) | 1 % | 2.4 g / 0.1 oz / 1/2 tsp |
| Phase C | | |
| Vitamin E Acetate (active ingredient) | 0.5 % | 1.2 g / 0.05 oz 28 drops |
| Provitamin B5 (active ingredient) | 1 % | 2.4 g / 0.1 oz / 55 drops |
| Potassium Sorbate (preservative) | 0.3 % | 0.7 g / 0.03 oz / 1/4 tsp |
| Paraben-DU (preservative) | 0.5 % | 1.2 g / 0.05 oz / 28 drops |
| Fragrance | 0.5 % | 1.2 g / 0.05 oz / 28 drops |
| Citric Acid (acidulant) | 0.1 % | 0.24 g / 0.01 oz / 1/8 tsp |

Method

Dissolve the guar gum in the distilled water by mixing well. Then add other ingredients of phase A in order. Heat phase A to 150F/60C. Heat phase B to the same temperature. Add phase B to phase A and stir well. Remove beakers from the heat. When cool add phase C in order and stir again. Adjust the pH value to 4 to 5.5 with citric acid.

Properties

Rich hair conditioner with precious emollients, the conditioning ingredient is the behentrimonium who is combined with an emulsifier, plus the cationic guar gum. Vitamin E acetate acts as an anti-oxidant on the hair.