

## 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 / 0.01oz / 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.		