

Blow Dry Lotion

(Sample Recipe for Hydrolyzed Silk Protein)

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Phase A	Weight %	For 100 g / 3.6 oz
Distilled Water (diluent)	79.8 %	79.8g / 2.9oz
HP Starch (thickener)	2.5 %	2.5g / 0.09oz
HairFix XH (Maltodextrin/VP Copolymer) (styling agent)	10.0 %	10.0g / 0.4oz
Phase B		
CreamMaker CA-20 (Cetearyl Alcohol, Ceteareth-20) (emulsifier)	2.0 %	2.0g / 0.07oz
Isopropyl Myristate (emollient)	1 %	1.0g / 0.04oz
Dimethicone 500 (emollient)	1 %	1.0g / 0.04oz
CreamMaker CAT (behentrimonium methosulfate, cetearyl alcohol (emulsifier)	1 %	
Phase C		
Provitamin B5 (vitamin)	0.2 %	0.2g / 0.007oz
Silk Protein, hydrolyzed (protein)	1 %	1.0g / 0.04oz
Phenoxyethanol/SA (preservative)	0.8 %	0.8g / 0.03oz
Rice Quat (conditioner)	0.5 %	0.5g / 0.02oz
Fragrance Mangosteen (optional)	0.2 %	0.2g / 0.007oz

Method

Add water into a clean heat resistant glass beaker. Sift in the HP Starch and mix with a stick blender until smooth. Add HairFix XH and blend well. Heat to 170F/76C. Combine phase B in a separate heat resistant vessel and heat to the same temperature. Remove both beakers from the heat source. Add phase A to Phase B and mix well, using a stick blender for a short time. Cool to 100F/40C and add phase C, one component at a time. Blend well. Test pH, if below 4.5 add, for this test batch of 100g, 2 drops of triethanolamine (TEA) and stir again well.

Properties

Creamy, conditioning emulsion gives enhanced curl control and hair manageability during the blow drying step. Volume control and anti-frizz properties. Can also be used on dry hair.