

1778 - Shampoo for Color Treated Hair (100.00g)

Ingredient	Function	Percent	Wgt (g)	Wgt (oz)	Vol (tsp.)
Phase A					
Distilled Water (aqua)	Diluent	56.00	56.00	1.98	11.20
Polyquaternium-10 (polyquaternium 10)	Thickener	0.80	0.80	0.03	0.16
Sea Salt (sodium chloride)	Thickener	0.20	0.20	0.01	0.04
Phase B					
Sulfosuccinate (disodium laureth sulfosuccinate)	Surfactant	5.80	5.80	0.20	1.16
Cocamidopropyl Hydroxysultaine (cocamidopropyl hydroxysultaine, glycerin)	Surfactant	10.00	10.00	0.35	2.00
Coco Betaine (cocamidopropyl betaine)	Surfactant	18.00	18.00	0.63	3.60
PEG-150 Distearate (PEG-150 distearate)	Thickener	1.00	1.00	0.04	0.20
Glycol Distearate (glycol distearate)	Structurant	1.50	1.50	0.05	0.30
Phase C					
Keratin Protein, Hydrolyzed (hydrolyzed keratin protein)	Protein	0.50	0.50	0.02	0.10
Wheat Protein, Hydrolyzed (hydrolyzed wheat protein)	Protein	0.50	0.50	0.02	0.10
Silk Protein (hydrolyzed silk protein)	Protein	0.50	0.50	0.02	0.10
Artichoke Leaf Extract (Propanediol, water, glycerin, Cynara Scolymus (Artichoke) leaf extract)	Anti-microbial	2.00	2.00	0.07	0.40
Bamboo Extract in Safflower Oil safflower oil, bambusa vulgaris (bamboo) extract, tocopherol	Emollient	2.00	2.00	0.07	0.40
Hexanediol CG (1,2-hexanediol and capylyl glycol)	Anti-Microbial	1.20	1.20	0.04	0.24

Method

1. Combine phase A and hydrate polyquaternium-10 well. Blend until smooth. 2. Combine phase B and stir gentle 3. Heat phase A and B to 70C until ingredients are fully melted 4. Add phase A to phase B under gentle agitation, eg. propeller mixer at 300rpm. 5. Remove from the heat and cool to 40C. 6. Add phase C, one by one, stirring after each ingredient. Cool to RT and let settle. Thick, off-white creamy shampoo. Check pH: pH before adding citric acid 6.5. After citric acid 5.8.

Properties

Artichoke provides excellent protection and resistance for shiny and healthy hair. It helps preserve the cohesion of hair cuticle scales resulting that the hair's protective outer shield is maintained. Proteins moisturize, strengthen and protect the hair shaft, and add volume as well. Hair fibers will have some conditioning due to the polyquaternium-10.