

Simple Hair Conditioner

Formulation Number: 02062018-01

Batch Size: 1 kg

Trade Name	INCI Name	% w/w	Grams	Vendor
Phase A				
Deionized Water	Water	80.00%	800.00	Formulator Sample Shop
Glycerin	Glycerin	3.00%	30.00	Formulator Sample Shop
Glycolic Acid	Glycolic Acid	0.20%	2.00	Formulator Sample Shop
Triquat 11N-CC	Polyquaternium-11	0.80%	8.00	
Phase B				
Varisoft EQ 65 Pellets	Distearoylethyl Dimonium Chloride (and) Cetearyl Alcohol	2.00%	20.00	Formulator Sample Shop
Varisoft BT 85	Behentrimonium	2.00%	20.00	
Cetearyl Alcohol	Cetearyl Alcohol	5.00%	50.00	Formulator Sample Shop
Phase C				
Leucidal liquid SF	Lactobacillus Ferment	4.00%	40.00	Formulator Sample Shop
AMTicide Coconut	Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	2.00%	20.00	Formulator Sample Shop
Green Tea Scented Extract	Camellia Sinensis Leaf Extract	1.00%	10.00	Formulator Sample Shop
		Total	100.00%	1000.00

Procedure

1. Charge water into main vessel. Begin heating to 80- 85 degrees Celsius.
2. At 80 - 85 degrees Celsius, add phase B ingredients into main vessel individually in listed order. Mix well between additions.
3. Cool to 40 -45 degrees Celsius and add Phase C ingredients individually to Phase AB in main vessel. Mix well between additions.
4. Cool to room temperature. Adjust pH to 4.0 - 4.5 with Glycolic Acid or 50% NaOH. Homogenize to thicken, if necessary.



All products should undergo stability testing and Microbial/Challenge Testing. These formulations are intended for use as starting formulas and may be altered as needed.

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