



Volumizing Shampoo (Sulfate-Free)

DESCRIPTION

This formulation features *Cola®Teric LMHS*, *Suga®Nate 160NC*, *Cola®Mate LA-40*, *Cola®Moist 200* and *Poly Suga®Quat S1210P*. This volumizing shampoo is free from sulfates and gives the hair a light feel while adding moisture and volume.

FORMULATION

Order	INCI Name	Trade Name	%
1	Water	Water	qs to 100.00
2	Lauramidopropyl Hydroxysultaine	<i>Cola®Teric LMHS</i>	15.00
3	Sodium Laurylglucosides Hydroxypropylsulfonate	<i>Suga®Nate 160NC</i>	13.00
4	Disodium Lauryl Sulfosuccinate	<i>Cola®Mate LA-40</i>	8.00
5	Hydroxypropyl Bis-Hydroxyethylidimonium Chloride	<i>Cola®Moist 200</i>	3.00
6	Polyquaternium-81	<i>Poly Suga®Quat S1210P</i>	2.00
7	Fragrance	WS Apple Fragrance ¹	0.20
8	Sodium Benzoate and Potassium Sorbate	Microcare® SB ²	1.00
9	Citric Acid	Citric Acid	qs to pH

PROCEDURE

1. Combine ingredients 1 – 3 and heat to 45-50°C.
2. Add ingredient 4 and mix until completely dissolved.
3. Add ingredients 5 – 6 while cooling to 40°C.
4. Once below 40°C, add remaining ingredients.
5. Adjust to pH 5.0 – 5.5 with citric acid.

TYPICAL PROPERTIES

Appearance Clear Viscous Liquid
pH 5.0 – 5.5
Viscosity 5,000 – 10,000 cP

SUPPLIERS

¹Orchidia, ²Thor

Colonial Chemical, Inc. *Natural Surfactants*

225 Colonial Drive • South Pittsburg, TN 37380 • Phone: 423-837-8800 • Fax: 423-837-3888

Technical information contained herein is believed to be accurate. However, it is furnished without charge or obligation and is given and accepted at the recipient's sole risk. No guarantee of the accuracy of the information is made and the products discussed are sold without conditions or warranties expressed or implied. No warranties beyond the guarantee that Colonial Chemical products are manufactured to specs are expressed or implied, since the use of material is beyond our control. Purchasers should make their own tests and determine suitability of the product for their particular purposes. Nothing contained herein shall be considered a recommendation for any use that may infringe upon patent rights. Safety information regarding this product is contained in its Safety Data Sheet.