



Clean & Simple Shampoo

DESCRIPTION

This shampoo is designed with safe, mild ingredients featuring plant-based **Suga®Citrate L1C**, **Cola®Teric CBS**, **Cola®Mate LA-40**, and **Poly Suga®Quat S1210P** to create a gentle, sulfate-free, silicone-free shampoo that effectively washes away dirt and oils. Your hair is left feeling healthy and light without any build-up, greatly for daily use or when your hair is in need of a “cleanse.”

FORMULATION

Order	INCI Name	Trade Name	%	Function
1	Water	Water	qs to 100.00	Carrier
2	Polyquaternium-10	UCARE™ Polymer JR-30M ¹	0.20	Conditioning
3	Cocamidopropyl Hydroxysultaine	Cola®Teric CBS	7.00	Viscosity build
4	Disodium Laurylglucosides Hydroxypropyl Citrate	Suga®Citrate L1C	13.00	Ultra-mild primary surfactant
5	Disodium Lauryl Sulfosuccinate	Cola®Mate LA-40	12.00	Foam boosting co-surfactant
6	Polyquaternium-81	Poly Suga®Quat S1210P	2.00	Mild conditioning
7	Fragrance	Fragrance ²	0.30	Fragrance
8	Benzyl Alcohol and Ethylhexylglycerin and Tocopherol	Euxyl® K 900 ³	0.70	Preservative

PROCEDURE

1. Combine ingredients 1 – 2 and mix until completely hydrated.
2. Add ingredients 3 – 4 in order and begin heating to 45 – 50°C.
3. Once at temperature, add ingredient 5 and mix until completely dissolved.
4. Add ingredients 6 – 8 while beginning to cool and continue mixing until clear.
5. If necessary, adjust to pH 5.0 – 5.5 with citric acid (viscosity is pH dependent, increasing at lower pH).

TYPICAL PROPERTIES

Appearance	Clear, Viscous Liquid
pH	5.0 – 5.5
Viscosity	5,000 – 10,000 cP
Surfactant Solids	13.6 – 14.5%

SUPPLIERS

¹Dow, ²Orchidia Fragrances, ³Schülke & Mayr

INGREDIENTS

Water, Disodium Laurylglucosides Hydroxypropyl Citrate, Disodium Lauryl Sulfosuccinate, Cocamidopropyl Hydroxysultaine, Polyquaternium-81, Benzyl Alcohol, Ethylhexylglycerin, Tocopherol, Fragrance, Polyquaternium-10

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.