



Antioxidant Purifying Shampoo (Sulfate-Free)

DESCRIPTION

Restore dull, lifeless hair to vibrancy with this purifying shampoo designed to free hair of built-up product residue and pollutants without over-drying. Non-irritating **Suga®Nate 160NC** is combined with **Cola®Teric CHGL** and **Cola®Mate LA-40** for a rich lather that effectively removes impurities without the use of harsh sulfates. **Cola®Lipid GS** then re-nourishes the hair, providing lightweight conditioning and antioxidant benefits to give long-lasting protection against damaging free radicals.

FORMULATION

Order	INCI Name	Trade Name	%
1	Water	Water	qs to 100.00
2	Sodium Laurylglucosides Hydroxypropylsulfonate	Suga®Nate 160NC	11.00
3	Disodium Lauryl Sulfosuccinate	Cola®Mate LA-40	8.00
4	Sodium Grapeseedamidopropyl PG-Dimonium Chloride Phosphate	Cola®Lipid GS	2.00
5	Cocamidopropyl Hydroxysultaine and Glyceryl Laurate	Cola®Teric CHGL	18.00
6	Maltol and Polyquaternium-80	SharoSENSE™ Plus 181 ¹	0.50
7	Fragrance	WS Apple Fragrance ²	0.20
8	Sodium Hydroxide	Sodium Hydroxide	qs to pH 6.0 – 7.0

PROCEDURE

1. Combine ingredients 1 – 2 and heat to 40 – 45°C.
2. Add ingredient 4 and mix until clear and uniform, then cool below 40°C.
3. Once below 40°C, add ingredients 4 – 7 in order, mixing until clear and uniform with each addition.
4. Adjust to pH 6.0 – 7.0 with sodium hydroxide (viscosity is pH dependent).

TYPICAL PROPERTIES

Appearance Clear, Light Amber, Viscous Liquid
pH 6.0 – 7.0
Viscosity 5,000 – 10,000 cP

SUPPLIERS

¹Sharon Laboratories, ²Orchidia

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