



## 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**, **Cola®Teric CBS-HP** 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	<b>Suga®Nate 160NC</b>	11.00
3	Disodium Lauryl Sulfosuccinate	<b>Cola®Mate LA-40</b>	8.00
4	Sodium Grapeseedamidopropyl PG-Dimonium Chloride Phosphate	<b>Cola®Lipid GS</b>	2.00
5	Cocamidopropyl Hydroxysultaine	<b>Cola®Teric CBS-HP</b>	7.00
6	Cocamidopropyl Hydroxysultaine and Glyceryl Laurate	<b>Cola®Teric CHGL</b>	10.00
7	Maltol and Polyquaternium-80	SharoSENSE™ Plus 181 <sup>1</sup>	0.50
8	Fragrance	WS Sandalwood Fragrance <sup>2</sup>	0.15
9	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 – 8 in order, mixing until clear and uniform.
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

<sup>1</sup>Sharon Laboratories, <sup>2</sup>Orchidia Fragrances

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