



## Purifying Shampoo (Sulfate-Free)

### DESCRIPTION

This high foaming shampoo formulation features **Cola®Teric LMB**, **Cola®Mid CMPA**, **Suga®Nate 160NC**, **Poly Suga®Quat S1210P**, and **Cola®Mate DSLS**. This clarifying shampoo invigorates your hair by deep cleansing and freeing hair of residue build up. With naturally derived conditioning ingredients, your hair will be "wet comb ready."

### FORMULATION

Order	INCI Name	Trade Name	%
1	Water		qs to 100.00
2	Lauramidopropyl Betaine	<b>Cola®Teric LMB</b>	15.00
3	Sodium Laurylglucosides Hydroxypropylsulfonate	<b>Suga®Nate 160NC</b>	25.00
4	Cocamide MIPA	<b>Cola®Mid CMPA</b>	0.50
5	Glycol Distearate		0.80
6	Polyquaternium-81	<b>Poly Suga®Quat S1210P</b>	0.50
7	Disodium Laureth Sulfosuccinate	<b>Cola®Mate DSLS</b>	10.00
8	Fragrance	Green Tea <sup>1</sup>	0.20
9	DMDM Hydantoin	Glydant <sup>2</sup>	0.40

### PROCEDURE

1. Combine ingredients 1-3 and heat to 65°C.
2. When batch reaches 50°C, add 4 and continue to heat.
3. At 65°C, add 5 and mix until homogeneous and no particles remain.
4. Once 5 is incorporated, begin cooling immediately to 50°C.
5. Once below 60°C, add 6 and 7.
6. At 50°C, add remaining ingredients.
7. Adjust pH as necessary with citric acid.

### TYPICAL PROPERTIES

Appearance      Pearlescent  
pH                    6.5  
Viscosity          10,000 cP

### SUPPLIERS

<sup>1</sup>Premier, <sup>2</sup>Lonza

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