



## Ethnic Shampoo (Salt-Free, Sulfate-Free)

### DESCRIPTION

This formulation features **Cola®Carb TDC**, **Cola®Teric 2CM-40CG**, **Cola®Mate DSLS**, and **Poly Suga®Mulse D9**. This shampoo is free of harsh sulfates and salts that won't dry out your hair with added water soluble shea butter to smooth and moisturize.

### FORMULATION

Order	INCI Name	Trade Name	%
1	Water		qs to 100.00
2	Trideceth-7 Carboxylic Acid	<b>Cola®Carb TDC</b>	8.00
3	Potassium Hydroxide		0.80
4	Sodium Lauroyl Sarcosinate	Perlastan® L-30 <sup>1</sup>	5.00
5	Disodium Cocoamphodipropionate	<b>Cola®Teric 2CM-40CG</b>	12.00
6	Disodium Laureth Sulfosuccinate	<b>Cola®Mate DSLS</b>	3.00
7	PEG-50 Shea Butter	Liponate® SB-50 <sup>2</sup>	2.00
8	PEG-150 Pentaerythryl Tetrastearate	Crothix <sup>3</sup>	2.00
9	Sorbitan Oleate Decylglucoside Crosspolymer	<b>Poly Suga®Mulse D9</b>	1.00
10	Fragrance		0.50
11	Preservative		qs

### PROCEDURE

1. Combine ingredients 1 – 2.
2. Adjust pH to 6.0 with Potassium Hydroxide.
3. Add ingredients 4 – 7.
4. Heat to 50 – 60°C.
5. Add ingredient 8. Mix until completely dissolved.
6. Cool to 45°C. Add remaining ingredients.

### TYPICAL PROPERTIES

Appearance      Clear Liquid  
pH                    6.0  
Viscosity           3,000 cP

### SUPPLIERS

<sup>1</sup>Struktol, <sup>2</sup>Lipo, <sup>3</sup>Croda

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