



Clarifying 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 | Cola®Teric LMB | 15.00 |
| 3 | Sodium Laurylglucosides Hydroxypropylsulfonate | Suga®Nate 160NC | 25.00 |
| 4 | Cocamide MIPA | Cola®Mid CMPA | 0.50 |
| 5 | Glycol Distearate | | 0.80 |
| 6 | Polyquaternium-81 | Poly Suga®Quat S1210P | 0.50 |
| 7 | Disodium Laureth Sulfosuccinate | Cola®Mate DSLS | 10.00 |
| 8 | Fragrance | Green Tea ¹ | 0.20 |
| 9 | DMDM Hydantoin | Glydant ² | 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

¹Premier, ²Lonza

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