



Grapefruit Shower Gel (Sulfate-Free)

DESCRIPTION

This formulation features **Suga®Nate 160NC**, **Cola®Teric CBS-HP**, **Cola®Mate LA-40**, and **Poly Suga®Mulse D9** in a gentle, high foaming, naturally based body wash formulation which leaves skin feeling clean without excessive drying or irritation from harsh sulfates.

FORMULATION

Order	INCI Name	Trade Name	%
1	Water		qs to 100.00
2	Sodium Laurylglucosides Hydroxypropylsulfonate	Suga®Nate 160NC	19.20
3	Disodium Lauryl Sulfosuccinate	Cola®Mate LA-40	4.00
4	Cocamidopropyl Hydroxysultaine (Fatty Acid)	Cola®Teric CBS-HP	9.60
5	Citrus Paradisi (Grapefruit) Peel Oil	Grapefruit Oil ¹	0.30
6	Sorbitan Oleate Decylglucoside Crosspolymer	Poly Suga®Mulse D9	0.30
7	Sodium Benzoate and Potassium Sorbate	Microcare® SB ²	1.00
8	Citric Acid		qs

PROCEDURE

1. Combine ingredients 1-2.
2. Heat to 45°C.
3. Add ingredients 3-4.
4. Combine ingredients 5-6 separately as a premix and add to batch.
5. Add preservative and adjust pH to 5.0 - 5.5 with citric acid (viscosity is pH dependent).

TYPICAL PROPERTIES

Appearance Clear
pH 5.0 – 5.5
Viscosity 5,500 cP

SUPPLIERS

¹Phoenix Aromas, ²Thor

Colonial Chemical, Inc. *Natural Surfactants*

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