



## 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	<b>Suga®Nate 160NC</b>	19.20
3	Disodium Lauryl Sulfosuccinate	<b>Cola®Mate LA-40</b>	4.00
4	Cocamidopropyl Hydroxysultaine (Fatty Acid)	<b>Cola®Teric CBS-HP</b>	9.60
5	Citrus Paradisi (Grapefruit) Peel Oil	Grapefruit Oil <sup>1</sup>	0.30
6	Sorbitan Oleate Decylglucoside Crosspolymer	<b>Poly Suga®Mulse D9</b>	0.30
7	Sodium and Potassium Sorbate	Microcare® SB <sup>2</sup>	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 cps

### SUPPLIERS

<sup>1</sup>Phoenix Aromas, <sup>2</sup>Thor