

# Creamy Shower Gel

CL-B0017

This luxurious, pearlized shower gel utilizes **Schercoquat™ IAS-PG Quaternium** for skin conditioning with substantivity in surfactant systems. **Hydramol™ TGL Ester** provides lasting moisturization, while **Hydramol™ PGPD Ester** improves viscosity, lends emolliency and helps to counteract the defatting effects of the primary surfactants.

	<b>INCI Name, Trade Name</b>	<b>Weight %</b>	<b>Function</b>
<b>A.</b>	1. Deionized Water	46.495	Diluent
	2. Disodium EDTA, <i>Protacide NA-2</i>	0.050	Chelating Agent
	3. Isostearamidopropyl Ethyldimonium Ethosulfate and Propylene Glycol, <b>Schercoquat™ IAS-PG Quaternium</b>	0.500	Conditioner
	4. Sodium Laureth Sulfate (28%, 2 mole), <b>Sulfochem™ ES-2 Surfactant</b>	33.500	Surfactant
	5. Ammonium Lauryl Sulfate (30%), <b>Sulfochem™ ALS Surfactant</b>	10.000	Surfactant
	6. Polyglyceryl-3 Laurate, <b>Hydramol™ TGL Ester</b>	2.000	Moisturizer
	7. PEG/PPG-8/3 Diisostearate, <b>Hydramol™ PGPD Ester</b>	3.000	Thickener / Emollient
	8. Glycol Distearate (and) Laureth-4 (and) Cocamidopropyl Betaine, <b>Quickpearl™ PK-3 Pearlizer</b>	1.500	Pearlizing Agent
	9. DMDM Hydantoin, <i>Glydant®</i>	0.400	Preservative
<b>B.</b>	10. Sodium Myreth Sulfate (60%, 3 mole), <b>Sulfochem™ ME-60 Surfactant</b>	2.000	Surfactant
	11. Fragrance, <i>Fresh &amp; Clean #PSI-01890 Fragrance</i>	0.500	Fragrance
<b>C.</b>	12. FD&C Blue No. 1 (1% soln), <b>FD&amp;C Blue No. 1</b>	0.055	Dye

## Procedure:

1. Add water to mixing vessel. Dissolve EDTA while mixing into the water.
2. Add remaining ingredients in PART A in the order given, ensuring that each ingredient is completely dispersed before the addition of the next ingredient.
3. Pre-blend PART B and add to the batch while mixing. Mix until uniform
4. Add color in PART C as desired.

## Product Properties:

Appearance Pearlized blue, viscous gel

pH 5.5 – 6.5

Viscosity (mPa·s)\*\* 4,000 – 10,000

Total Solids (%) 18.0 – 23.0

Specific Gravity (g/ml) 0.97 – 1.02

Stability: Passed 3 months @ 40°C, 1 month @ 50°C, 3 cycles freeze/thaw

\*\* Brookfield RVT @ 20 rpm, 25°C, #4 spindle, measured @ 24 hours

## Supplier References:

Protameen (2)

**Noveon, Inc. (3, 4, 5, 6, 7, 8, 10)**

Lonza (9)

Premier Specialties, Inc. (11)

**Quantum Colours (12)**

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