



Poly Suga® Pearl

INCI NAME:

Sodium Hydroxypropylsulfonate Lauryl-Glucoside Crosspolymer, Ethylene Glycol Distearate, Decyl Alkylpolyglucoside, Cocamide MEA

All ingredients are REACH polymer exempt.



INTRODUCTION

Poly Suga® Pearl is a concentrated dispersion of pearling compounds designed to be free of sulfates and ethylene oxide. The primary dispersant is derived from alkylpolyglucoside, a renewable resource that is non-petroleum based. **Poly Suga® Pearl** can turn clear formulations to pearled by cold mixing at 5% - 7%.

PRINCIPAL USES:

- Bath gels
- Shampoos
- Liquid hand soaps
- Bath wash
- Bubble bath

TYPICAL PROPERTIES

Appearance	Opaque, viscous liquid
Odor	Typical
Solids, %	32.0 - 34.0
pH (10% aqueous)	7.0 - 8.0
Green Star Rating	8.26

WHY USE IT?

- Easy to use
- Naturally derived
- Cold mix
- Does not decrease foam or viscosity
- Goes into almost any formulation
- Stable after three cycles of freeze/thaw





Poly Suga® Pearl



HAND SOAP FORMULATION

Compound	Wt %
Water	53.0
Suga®Nate 160	18.1
Sodium Methyl Cocoyl Taurate	10.9
Cola®Teric LMB	7.2
Cola®Moist 200	6.1
Poly Suga®Pearl	4.6
Methyl Isothiazolinone	0.1

Instructions: This formulation can be made by the simple sequential addition of the ingredients in the order shown with sufficient agitation. Do not add Poly Suga®Pearl to a heated formulation as this will reduce the intensity of the pearl. Add color, fragrance, and preservative as desired. Check physical properties after these adjustments.

Appearance: Opaque liquid

10% pH: Adjust to 5.5 - 6.5 with 50% citric acid as needed.

Viscosity: 2600 cps.

SHAMPOO FORMULATION

Compound	Wt %
Poly Suga®Det SFB	58.0
Water	37.0
Poly Suga®Pearl	5.0

Instructions: Add Poly Suga®Pearl to a room temperature formulation to retain the intensity of the pearl. Add color, fragrance, and preservative as desired. Check physical properties after these adjustments. Adjust to 5.5 – 6.5 with 50% citric acid as needed.

GSR	5.91
Appearance:	Opaque, pearlized liquid
Activity:	27.0%
pH (10% aqueous)	5.8
Viscosity:	1200 cps.

