



Antibacterial Hand Wash (Higher Viscosity)

DESCRIPTION

This formulation features **Cola[®]Teric COAB** and **Poly Suga[®]Quat L1010P** in a hand wash to kill germs while still leaving hands soft and moisturized. Rinses away easily and is safe for children, ideal for repeated use.

FORMULATION

Order	INCI Name	Trade Name	%
1	Water	Water	qs to 100.00
2	Hydroxypropyl Guar	Jaguar HP-105 ¹	0.70
3	Hydroxypropyl Guar and Hydroxypropyl Guar Hydroxypropyltrimonium Chloride	Jaguar C162 ¹	0.50
4	Citric Acid, 50%	Citric Acid, 50%	0.10
5	Glycerin	Glycerin	2.00
6	Cocamidopropyl Betaine	Cola[®]Teric COAB	12.00
7	Polyquaternium-78	Poly Suga[®]Quat L1010P	4.00
8	Decyl Glucoside	Suga[®]Det D	8.00
9	Fragrance	White Lily ²	0.10
10	Preservative	Preservative	qs
11	Benzalkonium Chloride	StepanQuat [®] 50 NF ³	0.25

PROCEDURE

1. Slowly add ingredients 2-3 to 1 with strong mixing to evenly disperse.
2. Once completely dispersed, reduce to moderate mixing and add ingredient 4 to pH 3.5 – 4.5.
3. Mix for at least 30 minutes.
4. Add remaining ingredients in order with adequate mixing between additions.
5. Adjust pH to 5.0 – 5.5 with citric acid.

TYPICAL PROPERTIES

Appearance Clear Liquid
pH 5.0 – 5.5
Viscosity 8,000 – 10,000 cP

SUPPLIERS

¹Solvay, ²Belle-Aire Fragrances, ³Stepan

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