COLD MIXING HAIR CONDITIONER

Name No. Description Formulation

795 Hair conditioner with good conditioning properties, cold process.

INGREDIENTS: % by Weight

Deionized Water q.s. to 100.0
Natrosol 250 HHRB (Hercules) Hydroxyethylcellulose 0.75
STEPANQUAT® ML 2.11
Lauryl Alcohol Lipocol L (Lipo) 2.50
Glycerin (Uniqema) 0.50
Sodium Hydroxide q.s.
Citric Acid q.s.
Fragrance, Dye, & Preservative q.s.

Total 100.0

Procedure

Into a vessel equipped with agitator, add Deionized Water. Start mixing. Into the vortex sprinkle in Natrosol 250 HHRB. Add Sodium Hydroxide to raise pH to 7.5-8.0 and continue agitation until all of the Natrosol 250 HHRB has dissolved. Add Citric Acid to bring pH to 4.0. Add STEPANQUAT® ML, when dispersed, add Lauryl Alcohol (if not homogeneous, heat to 25-27ºC). Mix well. Add Glycerin. Mix. Homogenize for 3-5 minutes at 5000 rpm using, for example, Silverson Mixer, Model #L4RT.

Physical Properties

Appearance at 25ºC Opaque lotion
pH, as is 3.5 - 4.5
Viscosity (#4/20, RVT Model) at 25ºC, cps 3000 - 4000

Storage/Stability

6 months at 25ºC Stable
3 months at 42ºC Stable
1 month at 50ºC Stable

Instructions for Use

Apply after shampooing. Rinse and style as usual.

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STEPANQUAT®

For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe).

For ordering assistance, call our Account Service Department at 1-800-457-7673.

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