

super premium intensity hair mask

formula #: Z309-86G

material #: 875045

ingredients (trade name INCI name)		%w/w	supplier
phase a			
Deionized Water	Aqua (water)	75.7500	Local
Natrosol™ 250HHR CS HEC	Hydroxyethylcellulose	0.6000	Ashland
Dissolvine* NA	Disodium EDTA	0.1000	Akzo Nobel
Glycerin	Glycerin	2.0000	Local
Varisoft* 300	Cetrimonium Chloride	5.0000	Evonik
phase b			
Conditioneze™-37 PC (E) cationic solution	Polyquaternium-37 (and) Propylene Glycol Dicaprylate/Dicaprate (and) PPG-1 Trideceth-6	0.5000	Ashland
ProLipid™ 161 lamellar gel	Behenyl Alcohol (and) Cetearyl Alcohol (and) Hydroxyethyl Cetearamidopropyldimonium Chloride	2.5000	Ashland
Kalcol* 6850	Cetearyl Alcohol	6.0000	Kao Chemicals
Cerasynt™ SD ester	Glyceryl Stearate	1.0000	Ashland
phase c			
N-DurHance™ A-1000 conditioning polymer	Polyacrylamidopropyltrimonium Chloride	1.2500	Ashland
Xiameter* MEM-1785 Emulsion	Dimethiconol (and) TEA-Dodecylbenzenesulfonate	2.5000	Dow Corning
Belsil* ADM 8301E	Amodimethicone/Morpholinomethyl Silsesquioxane Copolymer (and) Trideceth-5 and Glycerin	2.5000	Wacker
Optiphen™ BSB-W preservative	Benzyl Alcohol (and) Aqua (Water) (and) Sodium Benzoate (and) Potassium Sorbate	0.3000	Ashland
Citric Acid	Citric Acid	0.0000	Local
total		100.00	

procedure

1. phase a: Disperse Natrosol 250 in cold water under agitation, add EDTA and Glycerin and heat to 83C.
2. phase b: Add the ingredients in order to Phase A, homogenize at 83C with rotor/stator mixer for 5 minutes or until smooth. Cool to 45C.
3. phase c: Add in order under good agitation and cool further below 30C.
4. phase d: Adjust pH to 4.0-4.5 with Citric Acid if needed.

typical properties

description: viscous white shiny cream

pH: 4.00-4.50

viscosity: 50,000-70,000mPa.s Brookfield LVT Spindle #4, 12 RPM, 1 min @ 25C

stability/challenge information: This formula passed standard stability protocol and micro challenge testing. The preservative system, however, has not been optimized to its lowest effective level.

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