

intensity nourishing hair mask

formula #: Z309-86C

material #:

ingredients (trade name INCI name)		%w/w	supplier
phase a			
Deionized Water	Aqua (water)	72.9200	Local
Dissolvine* NA	Disodium EDTA	0.1000	Akzo Nobel
Natrosol™ Plus 330 CS cetyl hydroxyethylcellulose	Cetyl Hydroxyethylcellulose	0.1500	Ashland
Glycerin	Glycerin	2.0000	Local
phase b			
Varisoft* 300	Cetrimonium Chloride	5.0000	Evonik
ProLipid™ 161 lamellar gel	Behenyl Alcohol (and) Cetearyl Alcohol (and) Hydroxyethyl Cetearamidopropyltrimonium 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	5.0000	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
Citrus Sparkle & Peach 221	Fragrance	0.0300	IFF
Optiphen™ BSB-W preservative	Benzyl Alcohol (and) Aqua (Water) (and) Sodium Benzoate (and) Potassium Sorbate	0.3000	Ashland
phase d			
Citric Acid	Citric Acid	0.0000	Local
total		100.00	

procedure

1. phase a: Disperse Natrosol Plus 330 CS in cold water under agitation, add EDTA and Glycerin and heat to 75C.
2. phase b: Add the ingredients in order to Phase A, homogenize at 75C 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: 50,000-90,000 mPa.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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