Anti-pollution Shampoo

with N-DurHance™ AA2000
#C-H-18079-AN

Anti-pollution Shampoo

protecting hair from environmental impact

providing long lasting hair damage repair and restores hair to its natural hydrophobic state

hair feeling not dull or dirty

ingredients

N-DurHance™ AA2000

a new unique conditioning polymer to help restore, repair, and rejuvenate hair and provide excellent hair pollution protection.

typical properties

description: pearl white viscous liquid

pH: 5.5 – 6.5

viscosity: 5,000 – 8,000 cps

(Brookfield RVT 6/20rpm/2minutes @ 25°C)

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ingredients (trade name | INCI)		% w/w	supplier
phase a			
Deionized Water	Aqua	41.70	Local
N-DurHance™ AA2000	Acrylamidopropyltrimonium Chloride/Acrylamide Copolymer	1.00	Ashland
Cocoamidopropyl Betaine	Cocoamidopropyl Betaine	6.70	Local
RSAW E SB 70/M	Sodium Laureth Sulfate	17.10	Resun-Auway
Ashland™ Carbomer 980 (2%)	Carbomer	30.00	Ashland
Disodium EDTA	Disodium EDTA	0.10	Local
phase b			
Sodium Chloride	Sodium Chloride	1.00	Local
Sodium hydroxide (10%)	Sodium hydroxide	2.00	Local
Liquid Germall® Plus	Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	0.40	Ashland
total		100.00	

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procedure

1. Phase A: Add DurHance AA2000 to the water of the main vessel and mix until uniform, then add Cocamidopropyl Betaine while mixing. Add rest of the ingredients in order under agitation. Continue mixing until fully dissolved and heat up to 80℃.
2. Phase B: Lower temperature to below 45℃. Add ingredients of phase B in order and mix until uniform, continue mixing and cool further below 30℃.
3. Correct for water-loss which may have occurred during the heating cycle.

Ashland™ always solving

Date