

Prototype

AJINOMOTO[®]

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Amino Conditioner

ASC 27-116-1

This conditioner features amino-derived materials that provide smoothing and detangling, enhance the appearance and feel, and improve the overall condition of the hair.

	Trade Name	Supplier	INCI Name	% w/w	Function
A.	Deionized Water	-	Water	87.30	Diluent
	Hyaloveil-P	Kewpie Co, dist. by Ajinomoto NA	Hydroxypropyltrimonium Hyaluronate	0.10	Hyaluronic acid conditioning agent
	AMISAFE AL-01	Ajinomoto NA	Lauroyl Arginine	0.10	Amino acid conditioning agent / Smoothing, control
	PRODEW 500 (50%)	Ajinomoto NA	Sodium PCA, Sodium Lactate, Arginine, Aspartic Acid, PCA, Glycine, Alanine, Serine, Valine, Proline, Threonine, Isoleucine, Histidine, Phenylalanine	1.00	Amino acid cocktail / Smoothing, color protection, shine, luster
B.	Ammonyx 4B	Stepan	Stearalkonium Chloride	1.50	Cationic Conditioner
	Ammonyx CETAC	Stepan	Cetrimonium Chloride	1.00	Cationic Conditioner
	CAE	Ajinomoto NA	PCA Ethyl Cocoyl Arginate	0.50	Amino Acid based Cationic Conditioner
	ELDEW PS-203R	Ajinomoto NA	Phytosteryl/Octyldodecyl Lauroyl Glutamate	0.50	Amino Acid Based Emollient/ Damage care
	Polawax	Croda	Emulsifying Wax NF	7.00	Emulsifier
C.	Euxyl PE-9010	Schülke & Mayr	Phenoxyethanol, Ethylhexyl Glycerin	1.00	Preservative

Procedure: Charge batch vessel with water and begin heating to 75 °C with stirring. Dust in Hylaoveil P and allow to dissolve. Add Amisafe AL-01 and ProdeW 500. Combine Phase B and add to Phase A at 75 °C. Allow to mix 20 minutes at 75 °C then begin cooling while maintaining controlled mixing. When batch reaches 50 °C, add preservative. Continue cooling and mixing to room temperature.

pH as is: 4.2 - 4.7

Viscosity: 11,000 mPa·s at 3 rpm, spindle #3, 25 °C, 30 sec (Brookfield)

Stability: >3 weeks at 25, 40, 45 °C

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