

C-175

NEUTRALIZING CONDITIONER

POST-STRAIGHTENING TREATMENT

GUIDELINE FORMULARY

DESCRIPTION

Improves combability in wet and dry conditions
Improves hair shine and reduces fly away
Easily rinsed
Balances hair pH after application of a relaxing cream

COMPOSITION

	%
KALCOL® 6850	4.0
AMIDET® APA-22	2.0
FINDET®ARH/52	1.0
Mineral Oil	3.0
Propylenglycol	1.0
Lactic acid (90%)	0.6
KAO Fragrance	q.s.
Dye(s)	q.s.
Preservative ⁽¹⁾	0.2
Deionized Water	Up to 100

(1) Glydant™ PLUS from Lonza

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	White viscous emulsion	KCSA-258
pH (as it is):	Approx. 4.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 4,000	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Heat up the water till 80°C and add Lactic Acid.

Mix AMIDET® APA-22 with FINDET® ARH-52, melt the mixture and add it over the previous mixture. Homogenize until it is clear.

Add KALCOL® 6850 and stir vigorously until it is completely emulsified.

Add Mineral Oil and stir vigorously until it is completely emulsified.

Cool down till RT under controlled conditions

Add preservative, fragrance and dye(s) at temperature below 40°C.

Adjust pH with Lactic Acid to 4.0 - 4.3

COMMENTS

Lactic Acid is the acid recommended to prepare the amine salt of AMIDET® APA-22 and assure its best stability and performance.

Final viscosity of the product can be increased adding more quantity of KALCOL® 6850 or by optimizing the process of preparation.

COMPONENTS

AMIDET® APA-22 (Behenamidopropyl Dimethylamine, ≈ 100% a.m.): non-ionic character. High conditioning surfactant at acid pH, with substantive properties. It provides smoothness and anti-static effect to the hair. It also acts as a thickener in shampoo formulations.

FINDET® ARH/52 (PEG-40 Hydrogenated Castor Oil, ≈ 100 % a.m.): non-ionic character. Emulsifier and solubilizer.

KALCOL® 6850 (Cetearyl Alcohol, C1618:50/50 approx., ≈ 100% a.m.): non-ionic character. Co-emulsifier and thickener. Low substantive conditioning properties. Suggested dosage: 1 - 5%.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.

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