

C-238

CONDITIONER SHAMPOO

SILICONE FREE

GUIDELINE FORMULARY

DESCRIPTION

Hair becomes smooth and shiny
Restores dry and damaged hair
Improves combing

COMPOSITION

	%
EMAL® 227E ⁽¹⁾	37.0
BETADET® HR	10.3
AKYPO® RLM 45CA	3.3
AMIDET® N	2.0
KAO SOFCARE® GP-1	1.0
Polyquaternium-10 ⁽²⁾	0.3
KAO Fragrance	q.s.
Preservative	q.s.
pH adjuster	q.s.
Deionized Water	Up to 100

(1) 37% of EMAL® 227E (SLES at 27% a.m.) can be substituted by 14.27% of EMAL® 270D (SLES at 70% a.m.)

(2) UCARE™ Polymer JR-400 from Dow

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear	KCSA-258
pH (as it is):	5.0 - 5.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 22,000	KCSA-227
DRY MATTER (%):	Approx. 20	KCSA-092
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

At room temperature, dissolve the Polyquaternium-10 in water.

Once it is dispersed, add the remaining ingredients and stir until complete homogenization after each addition.

Adjust pH to 5.0-5.5 (usually Citric Acid or Lactic Acid are recommended to decrease the pH and Sodium Hydroxide or TEA to increase it).

COMPONENTS

AKYPO® RLM 45 CA (Laureth-6 Carboxylic acid, ≈ 95% a.m.): crypto-anionic character, it combines the properties of the anionic and non-ionic surfactants. Foaming co-surfactant, with solubilizing properties and very mild for the skin.

AMIDET® N (PEG-4 Rapeseedamide, ≈ 95% a.m.): non-ionic character. Nitroso-amines free thickener. It increases the foam volume and improves the quality of it. It reduces the irritation potential of the anionic surfactants on the skin. Multi-functional agent.

BETADET® HR (Cocamidopropyl Betaine, ≈ 35% dry matter): amphoteric character. Secondary surfactant. It decreases the irritation level of the anionic surfactants on the skin, improving level and quality of the foam. Additional thickening affect.

EMAL® 227E (Sodium Laureth Sulfate, ≈ 27% a.m.): anionic character. Primary surfactant, highly foaming. Good detergent properties.

KAO SOFCARE® GP-1 (PPG-3 Caprylyl Ether, ≈ 100% a.m.): non-ionic character. Clear transparent liquid at room temperature. Multi-functional conditioning agent that imparts similar characteristics to those of silicones, such as feel and functionality. It improves foam generation and hair shine.

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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