

C-273

CLEANSING CONDITIONER

GUIDELINE FORMULARY

DESCRIPTION

Hair conditioner with cleansing properties

For daily use

Preserves the natural hair oils, protecting from external damage

COMPOSITION

	%
BETADET® HR	18.4
DANOX® HC-30	12.0
LEVENOL® H&B	2.0
KAO SOFCARE® GP-1	1.0
Hydroxypropyl Starch Phosphate Ester ⁽¹⁾	3.0
Aloe Vera Gel ⁽²⁾	0.2
Hydroxypropyl Guar Hydroxypropyl trimonium Chloride ⁽³⁾	0.2
KAO Fragrance	q.s.
Preservative ⁽⁴⁾	0.1
Lactic Acid (90% solution)	q.s.
Deionized Water	Up to 100

(1) STRUCTURE® XL from Nouryon

(2) Aloe Vera Leaf Gel from Provital

(3) JAGUAR® C-162 from Solvay

(4) ISOCIL® PC from Lonza

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	White high viscous emulsion	KCSA-258
pH (as it is):	3.5 – 4.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 70,000	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Heat water to 60°C.

Add Hydroxypropyl Guar Hydroxypropyl Trimonium Chloride, stirring until total homogeneity.

Add solid DANOX® HC-30 while stirring until total homogeneity.

Add Hydroxypropyl Starch Phosphate Ester, LEVENOL® H&B and BETADET® HR stirring after each addition until total homogeneity.

Cool down to 25°C (0.5°C/min).

Add Aloe Vera gel, KAO SOFCARE® GP-1, fragrance and preservative. Stir after each addition until total homogeneity.

Adjust pH to 3.5 - 4.0 with Lactic Acid 90%.

COMPONENTS

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.

DANOX® HC-30 (surfactant blend, 100% a.m., ≈ 33% cationic a.m.): cationic and non-ionic character. It's based on a synergistic combination of cationic surfactants and fatty alcohol that allows single-step formulation providing an excellent performance in hair conditioning formulations. It provides smoothness and anti-static properties to the hair. Environmentally friendly cationic blend.

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.

LEVENOL® H&B (Glycereth-2 Cocoate, ≈ 100% a.m.): non-ionic character. Extra-mild surfactant, with emulsifying properties. Skin emollient and moisturizing agent. Foam booster and thickening agent. Ecological product. It doesn't need any risk or safety warnings on its label. In hair rinse application increases the conditioning effect of the cationic component, giving smoothness. % of use in Hair Rinse = between 0.1 - 2%.

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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