

C-180

SCALP TREATMENT

SHAMPOO

GUIDELINE FORMULARY

DESCRIPTION

Shampoo that prevents dandruff formation
Relieves the scalp, soothes redness and eliminates dandruff
Anti-dandruff agent from natural origin
Safe for everyday use

COMPOSITION

	%
EMAL® 227E ⁽¹⁾	25.0
AKYPO® FOAM RL 40	5.0
BETADET® THC-2	5.0
Trikenol™ Botanical complex	0.5
KAO Fragrance	q.s.
Dye (s)	q.s.
Preservative (Isothiazolinone type, 1.5% act.)	0.05
Lactic Acid	q.s.
EDTA.Na4	0.1
Sodium Chloride	q.s.
Deionized Water	Up to 100

(1) 25% of EMAL® 227E (SLES at 27% a.m.) can be substituted by 9.5% of EMAL® 270D (SLES at 70% a.m.). at 27% a.m.).

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear yellowish viscous liquid	KCSA-258
pH (as it is):	5.5 - 6.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 3,200	KCSA-227
CLOUD POINT (°C):	Approx. 6	KCSA-246
DRY MATTER (%):	Approx. 13.5	KCSA-092
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Add to the Deionized Water EDTA.Na4 and stir until clear. Then add EMAL® 227E and once the mixture is homogeneous dissolve Trikenol™. When the mixture is clear add each component, keeping the above-mentioned order and stirring after each addition until total homogeneity.

Add the other additives: preservative (soluble), fragrance (15 minutes of agitation are usually needed to solubilize it), dyes (diluted in water) and other (extracts, etc.).

Adjust pH (it is recommended to use citric or lactic acid to reduce it and diluted sodium hydroxide if an increase is necessary).

Adjust the final desired viscosity using sodium chloride.

COMPONENTS

AKYPO® FOAM RL 40 (Sodium Laureth-5 Carboxylate, ≈ 60% a.m.): crypto-anionic character, it combines the properties of the anionic and non-ionic surfactants. Mild foam-booster for Personal Care products. Produces a rapid foam and improves the foam behaviour of cleansing products when used as co-surfactant.

BETADET® THC-2 (Disodium Cocoamphodiacetate, ≈ 40% a.m.): amphoteric character. Very mild co-surfactant. It decreases the irritation level of the anionic surfactants on the skin, improving volume 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.

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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