

C-143

SHOWER CREAM

IMPROVED FOAM QUALITY

GUIDELINE FORMULARY

DESCRIPTION

Moisturizing and conditioning effect

Luxurious and creamy foam

Contains 10% sunflower oil

COMPOSITION

	%
EMAL® 270D	14.3
BETADET® HR	10.0
AKYPO® FOAM RL 40	4.8
EMANON® EV-E	4.0
KALCOL® 6850	0.5
Helianthus Annus Seed Oil (Sunflower Oil)	10.0
Glycerine	3.0
Lauric Acid	1.5
Stearic Acid	0.5
Guar Hydroxypropyl Trimonium Chloride ⁽¹⁾	0.5
KAO Fragrance	q.s.
Dye(s)	q.s.
Preservative	0.05
Citric Acid	q.s.
Sodium Chloride	q.s.
Deionized Water	Up to 100

(1) Jaguar® C-17 from Solvay

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Opaque white viscous emulsion	KCSA-258
pH (as it is):	5.0 - 5.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	15,000 - 25,000	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Add EMAL® 270D to water at 60°C. Once the mixture is homogeneous, add cationic Guar polymer and stir until well dispersed. Add AKYPO® FOAM RL 40 and BETADET® HR.

In a separate vessel heat up to 60°C EMANON® EVE, Helianthus Annus Seed Oil and Glycerin. Add the three solids (Lauric Acid, Stearic Acid and KALCOL® 6850P). Once melted, incorporate the blend slowly to the main vessel.

Homogenize during 30 minutes and then allow to cool down to room temperature. Add then the rest of ingredients.

Adjust pH to 5.0 - 5.5 with citric acid. Adjust viscosity with sodium chloride if necessary.

COMMENTS

This formula incorporates 10% of oil, being not necessary to use cream after the shower. AKYPO® FOAM RL 40 and EMANON® EVE provide very creamy and consistent foam, being the foaming performance of this formulation far better than that of the market leader (which includes similar amount of sunflower oil).

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® 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® 270D (Sodium Laureth Sulfate, ≈ 70% a.m.): anionic character. Primary surfactant, highly foaming. Good detergent properties.

EMANON® EV-E (Glycereth-7 Caprylate/Caprata, ≈ 100% a.m.): non-ionic character. Vegetable based, liquid product. Excellent emulsifier and solubilizer for hydrophobic materials, with HLB ≈ 16. Suitable for both rinse-off and leave-on products in hair and body applications. Key ingredient to achieve high foamability and smooth feeling.

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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