

C-297

RICH FOAM SHAMPOO

GUIDELINE FORMULARY

DESCRIPTION

Dense and creamy foam
Sulfate-free mild shampoo
Smooth feeling and texture
High foam volume

COMPOSITION

	%
AKYPO® FOAM LM 25	24.4
BETADET® SHR	11.4
KAO SOFCARE® GP-1	1.5
Polyquaternium-7 ⁽¹⁾	1.0
PEG-7 Dimethicone ⁽²⁾	1.0
Polyquaternium-10 ⁽³⁾	0.3
KAO Fragrance	q.s.
Preservative ⁽⁴⁾	2.0
Citric Acid (10% solution)	q.s.
Deionized Water	Up to 100

(1) Merquat™ 550 PR from Lubrizol

(2) DC® CE-1874 Microemulsion from Dow

(3) Ucare™ Polymer JR-400 from Dow

(4) Sensiva®PA 30 from Schülke

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear viscous liquid	KCSA-258
pH (as it is):	5.7 - 6.2	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 10,000	KCSA-227
COLD CLOUD POINT (°C):	Approx. 6	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Charge deionized water and dissolve Polyquaternium-10 until complete homogenization.

Add Polyquaternium-7, stirring until complete homogenization.

Add BETADET® SHR, stirring until complete homogenization.

Add AKYPO® FOAM LM 25, stirring until complete homogenization.

Add KAO SOFCARE® GP-1, stirring until the solution is completely clear.

Add DC® CE-1874 Microemulsion, stirring until complete homogenization.

Adjust pH to 5.7 – 6.2 with Citric Acid 10%.

Add perfume and preservative, stir after each addition until complete homogenization.

COMPONENTS

AKYPO® FOAM LM 25 (Potassium Laureth-4 Carboxylate, ≈ 60% a.m.): anionic character. Primary surfactant. Offers a soft and creamy foam, very stable and with special texture. Very mild and easy to thicken surfactant. Specially designed for sulfate-free formulations.

BETADET® SHR (Cocamidopropyl Hydroxysultaine, ≈ 44% a.m.): amphoteric character. Very mild co-surfactant. It decreases the irritation level of anionic surfactants, improving the quality of the foam and performing also as a thickener.

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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