

C-209

SHOWER GEL

ANTI-AGING

GUIDELINE FORMULARY

DESCRIPTION

Clear shower gel

It contains glycerine and natural oils

It provides cleansing, moisturising and anti-aging protection

COMPOSITION

	%
BETADET® HR	13.3
EMAL® 270D ⁽¹⁾	11.4
AMIDET® N	6.0
AKYPO® RLM 45 CA	4.3
AKYPO® ROX CO-400	3.5
Glycerine	2.0
Sunflower oil	0.7
Cropure Olive Oil	0.7
PEG-150 Diestearate ⁽²⁾	0.7
Petrolatum	0.5
Guar Hydroxypropyl Trimonium Chloride ⁽³⁾	0.2
Polyquaternium-10 ⁽⁴⁾	0.1
Preservative	q.s.
Deionized Water	Up to 100

(1) 11.4% of EMAL® 270D (SLES at 70% a.m.) can be substituted by 29.5% of EMAL® 227E (SLES at 27% a.m.)

(2) Aculyn™ 60 from DOW

(3) Jaguar® C-17 from Rhodia

(4) Ucare™ JR-30M from DOW

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear yellowish gel	KCSA-258
pH (as it is):	Approx. 5.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 8,000	KCSA-227
STABILITY TEST:	Correct	(2 months 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Heat the water up to 60°C. Add Ucare™ JR-30M and Jaguar® C-17 and stir until clear solution. Add BETADET® HR, AKYPO® RLM 45 CA, EMAL® 270D, Glycerine and Aculyn™ 60. Stir well after each addition until a homogeneous dispersion is obtained. After complete homogenization cool down to 40°C.

Mix Sunflower oil, Olive oil and Petrolatum with solubilizers (AMIDET® N + AKYPO® ROX CO-400 + Deionized Water in a ratio 12:7:1) at room temperature. Once it is homogeneous add to the previous mixture.

Add preservative (soluble), fragrance (15 minutes of agitation are usually needed to solubilize it). Adjust pH to 5.5 with Sodium Hydroxide.

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.

AKYPO® ROX CO-400 (PEG-40 Hydrogenated Castor Oil, ≈ 100% a.m.): non-ionic character. Emulsifier and solubilizer.

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® 270D (Sodium Laureth Sulfate, ≈ 70% 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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