

C-232

SHOWER GEL

ULTRA MILD

GUIDELINE FORMULARY

DESCRIPTION

SLES free
Mild and soft clear shower gel
Enriched with antioxidant to neutralize free radicals
It contains ingredients that stimulate cell renewal

COMPOSITION

	%
BETADET® S-20	14.0
BETADET® HR	10.0
EXCEPARL® LM-LC	1.0
Sodium N-Cocoyl Glycine ⁽¹⁾	16.6
Glycerine	2.0
Polyquaternium-7 ⁽²⁾	0.3
KAO Fragrance	q.s.
Preservative	q.s.
Deionised Water	Up to 100

(1) Hostapon® SG from Clariant
(2) Merquat™ 550 from Lubrizol

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Hazy gel	KCSA-258
pH (as it is):	Approx. 6.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 6,300	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C/cycles)

RECOMMENDED OPERATIVE METHOD

Mix water with Polyquaternium-7 and stir until complete homogenization.
Add BETADET® S-20, BETADET® HR, Sodium N-Cocoyl Glycine, Glycerine and EXCEPARL® LM-LC.
Stir well after each addition until a homogeneous dispersion is obtained.
Adjust pH (it is recommended to use diluted sodium hydroxide to increase it and lactic acid if a pH decrease is necessary).

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.

BETADET® S-20 (Lauryl Hydroxysultaine, ≈ 38% 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. It improves the stability of the formula at extreme pH's and low temperature.

EXCEPARL® LM-LC (Lauryl Lactate, ≈ 100% a.m.): non-ionic character. Liquid ingredient derived from renewable sources. Thickener for cleansing compositions. It can be added at room temperature. Recommended dosage for rinse-off formulations, between 0.3 and 3%. For skin care application, it performs as skin emollient with high/medium spreadability and low oiliness. Recommended use percentage for skin care is 10% max. Excellent solubilizing properties for UV-filters.

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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