

C-318

BODY & HAIR CLEANSER

GUIDELINE FORMULARY

DESCRIPTION

Natural origine >95%
Eco-Friendly
Without Anionic Surfactants

COMPOSITION

	%
OXIDET® L-75C	29.3
BETADET® SHR	5.7
EXCEPARL® LM-LC	1.5
Glycerine	2.0
Aloe Vera ⁽¹⁾	0.5
KAO Fragrance	q.s.
Preservative ⁽²⁾	0.5
NaCl	q.s.
Deionized Water	Up to 100

(1) Aloe Vera Gel from Provital

(2) Microcare SB from Thor

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear viscous liquid	KCSA-258
pH (as it is):	5.0 - 5.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 7,000	KCSA-227
STABILITY:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Add to the water the following surfactants: OXIDET® L-75C, BETADET® SHR and EXCEPARL® LM-LC stirring after each addition until total homogeneity.

Add GLC 99% and Aloe vera and stir till complete homogenization.

Adjust pH (it is recommended to use diluted sodium hydroxide to increase it and lactic acid if a pH decrease is necessary).

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

Adjust the final viscosity using Sodium Chloride until desired level.

COMPONENTS

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.

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.

OXIDET® L-75C (Cocamidopropylamine Oxide, ≈ 33% a.m.): non-ionic / cationic character (at low pH). Foam booster and formulation stabiliser at low temperature. Additional thickening effect.

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