C-249

FACE CLEANSER

ULTRA MILD

GUIDELINE FORMULARY

DESCRIPTION

Face cleanser and make-up remover
No oily residue and no need to rinse
pH balanced and alcohol-free

COMPOSITION	%
OXIDET® L-75C	**29.3**
BETADET® HR	**8.3**
EXCEPARL® LM-LC	**1.5**
Glycerine	2.0
Aloe Vera[(1)]	0.5
KAO Fragrance	**q.s.**
Preservative	q.s.
NaCl	q.s
Deionized Water	Up to 100

(1) Aloe Vera Gel from Provital

TECHNICAL CHARACTERISTICS		Kao Method
APPEARANCE (20°C):	Clear colorless liquid	KCSA-258
pH (as it is):	5.0 - 5.5	KCSA-014
VISCOSITY BROOKFIELD (20ºC,cPs):	Approx. 3,000	KCSA-227
STABILITY:	Correct	22 months 40 °C/RT/5 °C/cycles)

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RECOMMENDED OPERATIVE METHOD

Add to the water the following surfactants: OXIDET® L-75C, BETADET® HR 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® 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.

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.

Ref.C11002 _PEG-21A
(Edited May 2015. Updated version July 2020)