

C-287

# MICELLAR BODY CLEANSER

## GUIDELINE FORMULARY

### DESCRIPTION

Micellar cleansing gel  
Eliminates impurities without damaging the skin  
Gently cleanses sensitive and dry skin

### COMPOSITION

	%
EMAL® 227E	36.0
AKYPO® SOFT 100BVC	10.0
AMIDET® N	5.0
EXCEPARL® LM-LC	1.0
KAO SOFCARE® GP-1	0.4
Jojoba Oil <sup>(1)</sup>	0.4
Hydroxypropyl Guar Hydroxypropyltrimonium Chloride <sup>(2)</sup>	0.3
KAO Fragrance	q.s.
Preservative <sup>(3)</sup>	0.5
NaCl	0.5
Deionized Water	Up to 100

(1) Jojoba Oil from Gustav Heess

(2) Jaguar® C-162 from Solvay

(3) Microcare® SB from Thor

### TECHNICAL CHARACTERISTICS

### Kao Method

APPEARANCE (20°C):	Clear viscous gel	KCSA-258
pH (as it is):	5.0 - 5.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 8,000	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

## RECOMMENDED OPERATIVE METHOD

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**Mix A:** Add to deionized water, Jaguar C-162 and some lactic acid to completely dissolve the guar cat. Add EMAL® 227E.

**Mix B:** Mix AKYPO® SOFT 100 BVC, AMIDET® N and EXCEAPRL® LM-LC.

**Mix C:** Mix Jojoba oil and KAO SOFCARE® GP-1.

**Mix D:** Add mix C to mix B. Mix until it gets clear.

Add mix D to mix A.

Other additives addition: preservative (soluble), perfume (15 minutes agitation usually needed to solubilize it), dyes (diluted in water), other (extracts...)

Adjust pH. It is recommended to use Citric or Lactic acids, and diluted sodium hydroxide if an increase is needed.

Adjust to final desired viscosity with Sodium Chloride.

## COMPONENTS

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**AKYPO® SOFT 100 BVC** (Sodium Laureth-11 Carboxylate, ≈ 70% 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.

**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.

**EMAL® 227E** (Sodium Laureth Sulfate, ≈ 27% a.m.): anionic character. Primary surfactant, highly foaming. Good detergent properties.

**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.

**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.

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Ref. C16016/C-076C

(Edited March 2017. Updated version July 2020)



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