

# C-292

# SHAMPOO

## ULTRA MILD

### GUIDELINE FORMULARY

#### DESCRIPTION

Extra mild cleansing composition for hair  
Anionic free content  
SLES free formulation

#### COMPOSITION

	%
BETADET® HR	42.0
BETADET® S-20	10.0
LEVENOL® H&B	10.0
KAO Fragrance	q.s.
Preservative	q.s.
pH adjustment	q.s.
Deionized Water	Up to 100

#### TECHNICAL CHARACTERISTICS

#### Kao Method

APPEARANCE (20°C):	Clear transparent liquid	KCSA-258
pH (as it is):	5.0 - 5.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 3,000	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

## RECOMMENDED OPERATIVE METHOD

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Add to the water the following surfactants: BETADET® HR, BETADET® S-20 and LEVENOL® H&B and then stir until complete homogenization

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

Adjust pH (it is recommended to use citric or lactic acids to reduce it and diluted sodium hydroxide if an increase is necessary).

## COMPONENTS

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**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.

**LEVENOL® H&B** (Glycereth-2 Cocoate, ≈ 100% a.m.): non-ionic character. Extra-mild surfactant, with emulsifying properties. Skin emollient and moisturizing agent. Foam booster and thickening agent. Ecological product. It doesn't need any risk or safety warnings on its label. In hair rinse application increases the conditioning effect of the cationic component, giving smoothness. % of use in Hair Rinse = between 0.1 - 2%.

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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