

C-181

BABY SHAMPOO

ULTRA MILD

GUIDELINE FORMULARY

DESCRIPTION

Extra mild formulation
Specially designed for baby care
Sulphate free
Good foaming in the presence of sebum

COMPOSITION

	%
BETADET® HR	13.3
AKYPO® FOAM RL 40	11.3
AMIDET® N	2.9
Preservative	q.s.
Citric Acid (50% solution)	q.s.
Additives	q.s.
Deionized Water	Up to 100

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear liquid	KCSA-258
pH (as it is):	6.0 - 7.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 2,100	KCSA-227
CLOUD POINT (°C)	Approx. -2	KCSA-246
DRY MATTER (%):	Approx. 13.5	KCSA-092
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Add to the Deionized Water BETADET® HR and AKYPO® FOAM RL 40 and stir until the solution is clear.

Add AMIDET® N to the previous mixture while stirring and homogenize until the product is clear. 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 acid to reduce it and diluted sodium hydroxide if an increase is necessary)

Adjust the final desired viscosity using AMIDET® N.

COMMENTS

If high moisturizing effect is desired, other type of components can be added (extracts, protein hydrolizates, cationic polymers, silicones, etc.), always following the manufacturer's indications.

COMPONENTS

AKYPO® FOAM RL 40 (Sodium Laureth-5 Carboxylate, ≈ 60% a.m.): crypto-anionic character, it combines the properties of the anionic and non-ionic surfactants. Mild foam-booster for Personal Care products. Produces a rapid foam and improves the foam behaviour of cleansing products when used as co-surfactant.

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.

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.

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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