

C-168

BABY SHAMPOO

ULTRA MILD

GUIDELINE FORMULARY

DESCRIPTION

SLES and Sulfate free formulation
Very mild
Advisable for babies

COMPOSITION

	%
OXIDET® L-75C	25.0
AKYPO® RLM 45CA	7.9
AMIDET® N	5.0
KAO Fragrance	q.s.
Dye(s)	q.s.
Preservative	q.s.
NaCl	q.s.
NaOH (10% solution)	q.s.
Deionized Water	Up to 100

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Transparent liquid	KCSA-258
pH (as it is):	Approx. 6.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 1,500	KCSA-227
COLD CLOUD POINT (°C):	<-10	KCSA-246
DRY MATTER (%):	Approx. 20	KCSA-092
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Add AKYPO® RLM 45CA to the water. Stir until clear and continue with the addition of the other components, AMIDET® N and OXIDET® L-75C.

Adjust pH (it is recommended to use diluted sodium hydroxide to increase it and citric or 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.

COMMENTS

No relevant differences are observed if AKYPO® RLM 45CA is previously solved in the water and neutralized with Sodium Hydroxide in the beginning. In this case we recommend to adjust pH around 5 to avoid the use of additional acids at the end of the process. Continue with the addition of the remaining components as indicated in the above recommended operative method.

COMPONENTS

AKYPO® RLM 45CA (Laureth-6 Carboxylic acid, ≈ 95% 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.

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.

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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