

Mackam[®] 2C

INCI: Disodium Cocoamphodiacetate

Product description

Mackam 2C is one of the mildest amphoteric surfactants of its class and is suggested for personal care and industrial, home & hygiene applications. In personal care formulations such as shampoos, bubble baths, and body cleansers, Mackam 2C has a very good foaming performance which is not affected by the hardness of water, presence of soap and grease or changes to pH. In baby & adult non-irritating shampoos it leaves a pleasant hair feel, with good wet and dry combing properties, requiring very little additional conditioning agent. Mackam 2C is stable over a wide pH range (2-13) which makes it ideal for industrial applications. It is useful for the formulation of products used around food preparation areas, hospital cleaners, and high alkaline hard surface cleaners.

Principle uses

Personal care

Shampoos & Hand Soap	5% -25%
Bubble Bath	10%-30%
Body Wash	5%-30%

Industrial, Home & Hygiene

Hospital Cleaners	1%-5%
Hard Surface Cleaners	1%-3%

Specifications

<u>Test</u>	<u>Result</u>	<u>Method</u>
Appearance @ 25°C	Clear Liquid	100C
Color Gardner	5 Max	104A
Solids (Moisture Balance), %	48.0 – 51.0	150A
Infrared Spectrum	Matches Standard	542A
Sodium Chloride, %	11.0 – 12.5	230B
Specific Gravity @ 25°C	1.15 – 1.20	188A
pH (10% Aqueous)	8.0 – 9.0	146I
Viscosity @ 25 C, #3 SP @ 12 RPM, CPS	5000 Max	176A
Total Plate Count, cfu/g	100 Max	700D

Typical properties

Gram Negative Bacteria	Absent
Preservative	None

Storage and handling

Mackam 2C should be stored in tightly closed containers at temperatures between 15°C and 49°C. Storage below 15°C may cause turbidity which is reversible with gentle warming. If material becomes hazy after exposure to cold gently heat to 35°C and mix before use. Handle between 25°C – 35°C.

Formulation tips

- Cold processable
- Heat tolerant (up to 90°C)
- Not stable at pH < 2.0
- Stable with strong acids, neutral, strong alkalis
- Compatible with electrolyte solutions and with anionic, cationic and nonionic surfactants.

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