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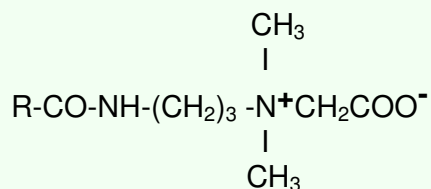
APROVADO

Dep. Qualidade

BETADET® HR

- Amphoteric surfactant
- Thickener and foam booster co-surfactant
- Mild irritating product
- Vegetable origin

CHEMICAL IDENTIFICATION



R-CO = Hydrogenated Coconut Fatty Acid

INCI Name : Cocamidopropyl Betaine

CAS Number : 61789 – 40 –0

TECHNICAL SPECIFICATIONS

		Kao Method
APPEARANCE (20°C) :	Transparent Liquid	KCSA-258
ODOUR :	Characteristic	KCSA-267
COLOUR (Apha) :	125 max.	KCSA-207
pH (5%) :	4.0 – 6.0	KCSA-014
VOLATIL MATTER (%) :	63 – 66	KCSA-283
SODIUM CHLORIDE (%) :	6.0 max.	KCSA-058
ACTIVE MATTER (%) :	28.5 – 30.5	KCSA-062
MICROBIOLOGICAL CONTROL (cfu/mL) :	10 max.	KCSA-339



BETADET[®] HR

TYPICAL PROPERTIES

DENSITY (20°C, g/ mL, "spot") :	1.045 approx.
VISCOSITY BROOKFIELD (20°C, cPs) :	50 max.
SOLUBILITY IN WATER :	Soluble
CHARACTER :	Amphoteric

APPLICATION PROPERTIES

- BETADET[®] HR is a zwitterionic compound, used primarily in the cosmetic industry as a pseudo amphoteric surfactant in shampoos, conditioners and other cleansing preparations.
- It is compatible blended with other anionic, amphoteric and non-ionic surfactants, giving transparent formulations and high foaming products.
- Main functions of BETADET[®] HR:
 - Detoxifying effect: it decreases the irritation level of usual anionic surfactants.
 - Foam Booster: it increases foam level and modifies the quality of the foam.
 - It performs as a viscosity modifier allowing to reduce sodium chloride addition in the final formula.
 - Conditioning effect: due to its quaternised nitrogen, BETADET[®] HR has some substantive effect on the skin and hair, and should be also considered as conditioning agent.
- BETADET[®] HR is stable at alkaline or acid conditions. It doesn't present hydrolysis problems.
- Even though BETADET[®] HR is widely used in the cosmetic industry, its foam and stability properties also allow to recommend it for household and industrial cleaners: washing up, liquid detergent, ...etc.

STORAGE – HANDLING – SHELF LIFE

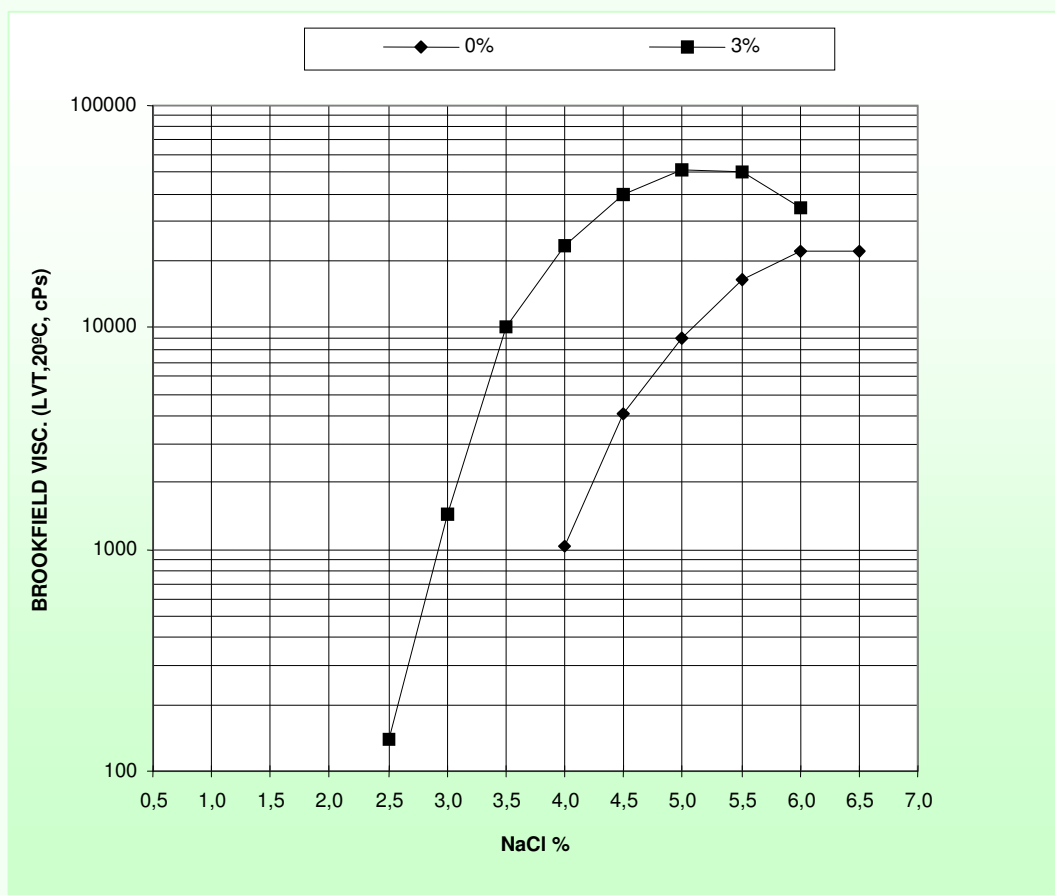
- BETADET[®] HR is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container).
- In the case of long storage time, it is advisable to homogenise the product before its use, especially if it has been submitted to low temperatures. Small changes in the appearance can be easily recovered by applying a moderate agitation at 25-30°C. A general advise is to use the complete container every time.
- The shelf life of BETADET[®] HR can be considered of 1 years minimum under proper storage conditions. After longer storage time some of its characterising parameters (*odour, appearance, colour ,pH,...*), should be checked before using it.



BETADET® HR

THICKENING PROPERTIES

FORMULA	
SLES	8% active
BETADET® HR	0% - 3%
PRESERVATIVE	0.1
FRAGRANCE	0.2
DYE (s)	e.q.
CÍTRIC ACID	pH adjust at 7.0
NaCl	e.q.
DEIONIZED WATER	Up to 100%



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