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APROVADO

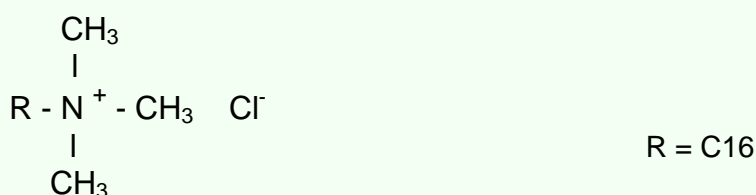
Dep. Qualidade

QUARTAMIN® 60W30

- Conditioning agent
- Anti-static effect
- Hair care application
- Vegetable origin

Cationic surfactant used as conditioning agent in hair rinse preparations

CHEMICAL IDENTIFICATION



INCI Name : Cetrimonium Chloride

CAS Number : 112-02-7

TECHNICAL SPECIFICATION

		Kao Method
APPEARANCE (20°C) :	Colourless transparent liquid	KCSA-258
APPEARANCE (5°C) :	Hazy and slightly viscous liquid	KCSA-258
ODOUR :	Characteristic	KCSA-267
COLOUR (Apha) :	100 max.	KCSA-207
pH (5% in water) :	5.0 - 9.0	KCSA-014
ACTIVE MATTER (% , Ew=319.5) :	27.0 - 30.0	KCSA-003
WATER CONTENT :	72 max.	KCSA-119
FREE AMINE + AMINE SALTS CONTENT (%) :	0.8 max.	KCSA-276



QUARTAMIN® 60W30

TYPICAL CHARACTERISTICS

DENSITY (20°C, g/mL “spot”) :	0.970 approx.
SOLIDIFICATION TEMPERATURE (°C) :	- 4 approx.
MICROBIOLOGY (TVC, Moulds and yeast’s, cfu/g) :	10 max.
SOLVENT TYPE :	Water
HEAVY METALS (ppm as Pb) :	15 max.
SULPHATED ASHES (%) :	1.0 max.
ALKYL CHAIN DISTRIBUTION :	C16 : 94% min.
ORIGIN :	Vegetable
CHARACTER :	Cationic

APPLICATION PROPERTIES

- QUARTAMIN® 60W30 performs as anti-static, softener and conditioner in hair formulations.
- Due to its solubility in water and alcohol it can be used in transparent products (lotions).
- Compatible with cationic, non-ionic and amphoteric surfactants, it can be mixed in different compositions.
- QUARTAMIN® 60W30 as all the quaternary ammonium salts is incompatible with soap and anionic surfactants.

STORAGE – HANDLING – SHELF LIFE

- QUARTAMIN® 60W30 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 homogenize 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 30-40°C. A general advise is to use the complete container every time.
- The shelf life of QUARTAMIN® 60W30 can be considered of 2 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.

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