

KAPPAQUEST A 41 conc.

Versatile sequestering and dispersing agent

Chemical composition	preparation of polyacrylates and alkyl phosphonates
Appearance	yellowish, nearly clear solution
pH-value 20 °C	4 - 5 (product)
Density 20 °C (g/ml)	approx. 1.19
Ionic charge	anionic

Function

KAPPAQUEST A 41 conc. has an excellent dispersing effect and is an efficient sequestering agent for alkaline earth and heavy metal ions. At pH 11 and 60 °C, 1 g of KAPPAQUEST A 41 conc. binds approx. 180 mg of CaO or approx. 320 mg of CaCO₃. The formed complexes are very stable even at boiling temperature and in a stronger alkaline range (to approx. 3 g/l NaOH 100 %).

KAPPAQUEST A 41 conc. does not cause any demetallization of direct and reactive dyes based on metallic complexes in spite of its strongly developed chelating capacity. KAPPAQUEST A 41 conc. is not interfacial-active and therefore foam-free.

KAPPAQUEST A 41 conc. is the concentrated version of KAPPAQUEST A 41. The product must be diluted with half quantity of water to get KAPPAQUEST A 41.

Application

KAPPAQUEST A 41 conc. is a very versatile product, e. g.

- for dyeing of cellulosic fibres or their blends with direct, reactive, vat and sulfur dyes. It is possible dye raw cotton without preliminary cleaning for example.
- for printing with reactive dyes when applying alginate thickening agents.
- for all scouring, washing and soaping processes in neutral and alkaline range.

Recommended application level for long liquors depending on the respective operating conditions:

- approx. 0.05 ml/l KAPPAQUEST A 41 conc.

Relating to the sequestering of water hardness, approx. 0.05 ml KAPPAQUEST A 41 conc. is required per 1 °dH and 1 litre of water.

Dilution instruction

KAPPAQUEST A 41 conc. can be diluted with cold water at any ratio. The product can also be added directly to the liquor.

Storage

KAPPAQUEST A 41 conc. remains stable for at least 1 year if stored properly and cool in a tightly closed original container.

Contact

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Standards (further on request)

- GOTS
- ZDHC