

KAPPAQUEST B 52

Chelating and dispersing agent

Chemical composition	preparation of polyacrylates and alkylphosphonates
Appearance	yellowish, nearly clear solution
pH-value 20 °C	approx. 4 - 5
Density 20 °C (g/ml)	approx. 1.16
Ionic charge	anionic

Function

KAPPAQUEST B 52 has an excellent dispersing effect and is an efficient chelating agent for alkaline earth and heavy metal ions. 1 g of KAPPAQUEST B 52 binds approx. 90 mg of CaO or approx. 161 mg of CaCO₃ at pH 11 and 60 °C.

The formed complexes are very stable even in a stronger alkaline range (to approx. 3 g/l NaOH 100%) and at boiling temperature.

In spite of its strongly developed chelating capacity, KAPPAQUEST B 52 does not cause any demetallization of direct and reactive dyes based on metallic complexes.

KAPPAQUEST B 52 is not interfacial-active and therefore free of foam.

Application

KAPPAQUEST B 52 is very versatile.

Main fields of application:

Dyeing of cellulosic fibres or cellulosic fibre blends with direct, reactive, vat and sulphur dyes. In doing so it is possible to dye grey cotton without any preliminary cleaning for example.

Printing with reactive dyes when applying alginate thickening agents.

All scouring, washing and soaping processes in neutral and alkaline range.

The application level depends on the respective operating conditions. Recommended application level for long liquors:

- 0.5 – 3 ml/l KAPPAQUEST B 52

Relating to the chelating of water hardness, approx. 0.1 ml KAPPAQUEST B 52 is required per 1 °dH and 1 litre of water.

Dilution instruction

KAPPAQUEST B 52 can be diluted with cold water at any ratio, but can also be added directly to the respective liquor.

Storage

KAPPAQUEST B 52 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