

KAPPAZYM APGO

Enzymatic destruction of residual peroxide

Chemical composition	catalase
Appearance	yellow to light brown liquid
pH-value 20 °C	7 - 8 (product)
Density 20 °C (g/ml)	approx. 1.0
Ionic charge	nonionic

Function

KAPPAZYM APGO is a GOTS-approved product used for the enzymatic (bio-catalytic) destruction of residual peroxide during the pre-bleaching of cellulosic fibres and their blends with other fibres. Residual peroxide is decomposed by KAPPAZYM APGO into non-active oxygen and water. The enzyme has no influence on the fibre or dyestuffs and therefore enables dyeing in the same bath without prior rinsing. This specific deactivation of the residual peroxide without the formation of sulphate or nitrate salts represents an environmentally friendly process.

Temperature: between 40 – 60 °C

pH-value: optimum activity and stability pH 6.5 – 8.0

Stabilizers and wetting agents: compatible with most of the interfacial active substances and hydrogen peroxide stabilizers

Application

- Drain the bleaching liquor and rinse max. 1 time.
- Fill with fresh, cold water, neutralize if necessary (pH 4 – 8).
- Add 0.2 – 0.5 g/l KAPPAZYM APGO
- 10 – 15 minutes treatment at 40 – 60 °C (residual H₂O₂-test with peroxide indicators or KMnO₄).

Dilution instruction

KAPPAZYM APGO is added to the liquor undiluted.

Storage

KAPPAZYM APGO generally maintains its declared activity for at least 6 months if stored at a temperature of 25 °C in tightly closed original containers. Longer storage at temperatures above 30 °C should be avoided.

Contact

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Standards (further on request)

- GOTS
- ZDHC