

# KAPPACELL BIO 36

## Cellulase preparation for biopolishing of cellulose

Chemical composition	aqueous enzyme formulation based on cellulase
Appearance	light brown liquid
pH-value 20 °C	4 – 5 (product)

### Function

KAPPACELL BIO 36 is applied to remove fibre fibrils from cellulosic fibres. The so-called biopolishing effect results from the weakening of the microfibrils on the surface by hydrolysis.

#### KAPPACELL BIO 36

- removes pilling, stubs and knots on the fabric surface.
- imparts a soft, smooth handle.
- gives wash-resistant biopolishing effects.

### Application

KAPPACELL BIO 36 should be applied on machines that expose the textile material to stronger mechanical stress, i. e. industrial washing machines or selected jet dyeing machines.

#### Recommended application level:

#### Discontinuous process

- 1.0 - 2.0 % KAPPACELL BIO 36
- 0.5 % sodium acetate
- 0.5 % acetic acid 60 %
- liquor ratio: 1:5 - 1:15
- treatment time: 10 - 45 minutes
- temperature: 55 - 60 °C
- pH-value: 4.5 - 5.0

After the treatment the cellulase should be deactivated (enzyme stop) by adding alkali (pH > 9) or increasing the temperature up to 80 °C in order to stop further decomposition reactions and thereby material damages.

### Dilution instruction

KAPPACELL BIO 36 can be diluted with cold water at any ratio.

### Storage

KAPPACELL BIO 36 remains stable for at least 6 months if stored properly at a temperature of 25 °C in a tightly closed original container.

### Contact

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