KAPPACELL BIO 36
Cellulase preparation for biopolishing of cellulose

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

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: 5:1 – 15:1
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 container.