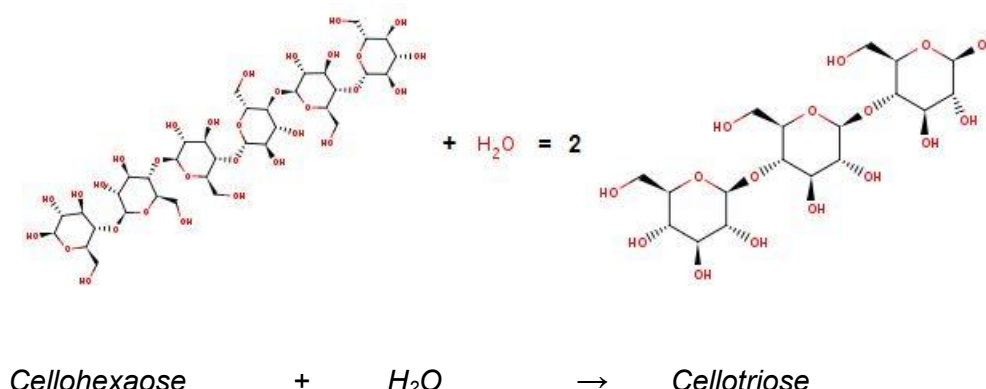


Cellulase TXL

Endo-1,4-beta-Glucanase, E.C. 3.2.1.4

Description: Highly concentrated, liquid Cellulase from fungal origin with high C1-Cellulase and Carboxymethylcellulase activity. Cleaves the β -1,4-bonds within the Cellulosemolecule

Catalysed reaction:



Origin: *Trichoderma spp., not pathogen, not genetically modified*
(approved for food according to AMFEP/ GRAS)

Activity: > 50 U/ mL (Method: ASA Spezialenzyme GmbH)

Specific activity: > 4 U/ mg Protein

Application: Degradation of all types of cellulose.
Decolorization of textile fibers during textile processing.
Waste paper treatment

Dosage: 1 – 5 mL Cellulase TXL per kg textile fabric at a treatment time of 20 – 50 min
0.5 – 1 mL Cellulase TXL per kg waste paper (dependent in temperature, pH and treatment time)

It is recommended to adapt the dosage to the respective process.

Parameter: pH Optima: 4.5 active at the range pH 3.0 – 6.0
Temperature Optima: 50°C active at the range 30 – 60°C

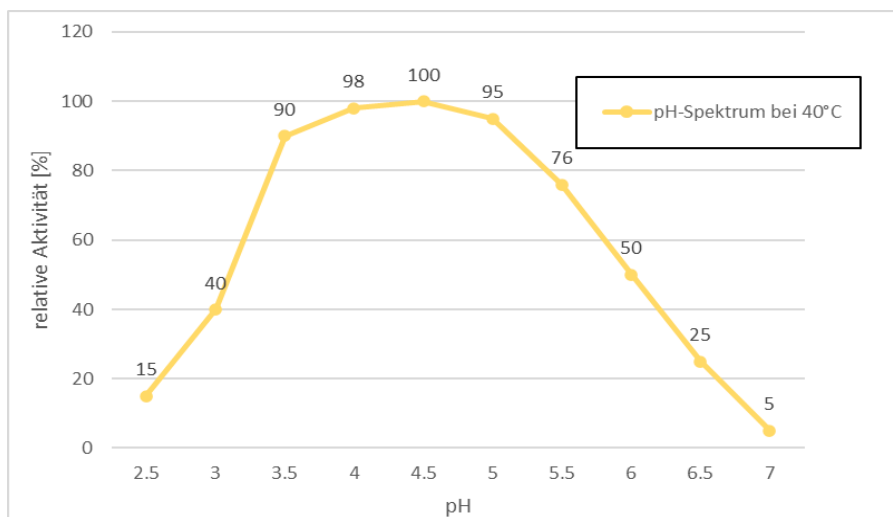


Figure 1: pH dependence at 40°C

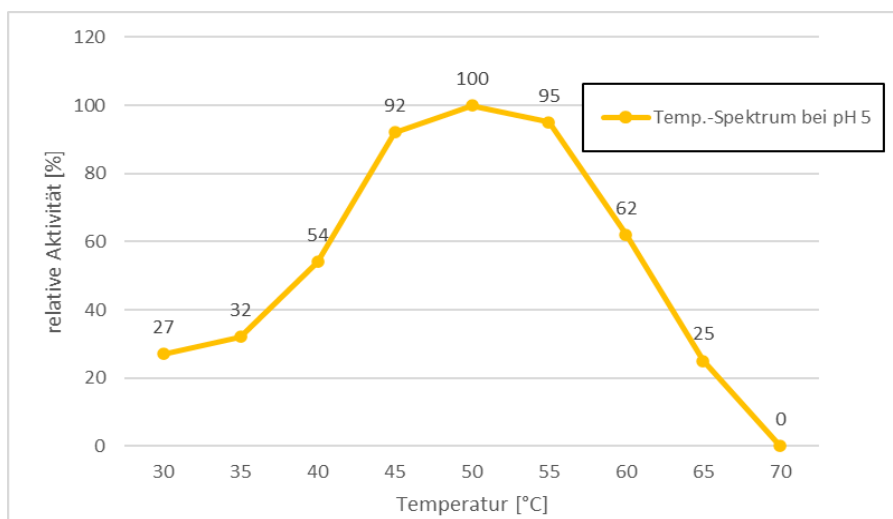


Figure 2: Temperature dependence at pH 5

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Form of delivery: Brown suspension with specific odour

Storage: Store cool, 4 – 8°C. Do not freeze. Loss of activity is < 10% per year