

Cellulase TXL

Endo-1,4-beta-glucanase, EC 3.2.1.4

Description:	Concentrated fungal cellulase with high C1-activity; splits the β -1,4-linkage inside the cellulose molecule. Cellulose TXL contains also activities of hemicellulase and xylanase.		
Origin:	<i>Trichoderma longibrachiatum</i>		
Application:	<ul style="list-style-type: none">• degradation of all kinds of cellulose• decolorization of textile fibers (e.g. production of "stone washed jeans")• treatment of recovered paper		
Activity:	> 30 U/ml (C1-cellulase-activity; substrate: paper, method: ASA Spezialenzyme GmbH)		
Parameters of reaction:	<u>pH</u>	optimum 4.5	active within pH 3.0 – 6.0
	<u>temperature</u>	optimum 50°C	active within 35 – 60°C
Dosage:	<u>Textile treatment</u> 1 - 5 ml Cellulase TXL per kg fabric (reaction time: 20 - 50 min) Stoning of jeans: 10 ml Cellulase TXL per kg jeans (without pumice stones !); liquor ratio (washing liquor : textile) 8:1, time: 30 min. <u>Treatment of recovered paper</u> 0,2 – 1 ml Cellulase TXL per kg recovered paper (depending on temperature, pH and reaction time) It is recommended to optimise the enzyme dosage according to the actual process conditions.		
Order-no.:	3015		
Form of delivery:	brown liquid with typical odour		
Storage:	below 20°C, do not freeze		