

<b>Cellulase "Onozuka" R-10 from <i>Trichoderma viride</i></b> E.C. 3.2.1.4	<b>Cat.No.:</b> 16419
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Parameter	Method	Specification
<b>Molecular weight</b>		ca. 52 000
<b>Appearance</b>		beige lyophilisate
<b>Activities (U/mg)</b>	Cellulase	ca. 1
	Hemicellulase	ca. 1
	Protease (DMC)	ca. 0.01
	$\alpha$ -Amylase	ca. 0.8
	Pectinase	ca. 0.4
<b>Storage (°C)</b>		+2 to +8

#### Unit definitions

##### Cellulase

1 unit is the amount of enzymatic activity which catalyzes the liberation of 1  $\mu$ mol glucose from sodium carboxymethyl cellulose per minute at 40°C, pH 4.5.

##### Hemicellulase

1 unit is the amount of enzymatic activity which liberates 1  $\mu$ mol of reducing groups from beechwood xylan per hour at 37°C, pH 5.5, calculated as xylose.

##### Protease

1 DMC-unit is that amount of enzymatic activity which catalyzes the cleavage of 1  $\mu$ equivalent peptide bond from dimethylcasein per minute at 25°C, pH 7.0, expressed in terms of the appearance of new terminal amino groups.

##### $\alpha$ -Amylase

1 unit is that amount of enzymatic activity which catalyzes the liberation of 1  $\mu$ equivalent of reducing groups from soluble starch (Zulkowsky) per minute at 25°C, pH 6.0, calculated as maltose.

##### Pectinase

1 unit is that amount of enzymatic activity which catalyzes the liberation of 1  $\mu$ mol of reducing groups from pectic acid per minute at 25°C, pH 4.5, calculated as D-galacturonic acid.

**Die Eignung des Produktes für spezielle Anwendungszwecke wird nicht zugesichert.**

We do not guarantee that the product can be used for a special application.