CERTIFICATE OF ANALYSIS



Cellulase "Onozuka" RS from Trichoderma viride			Cat.No.: 16420 Contr.No.: 140437
Parameter	Method	Specification	Result
Molecular weight		ca. 52 000	
Appearance		beige lyophilisate	corresponds
Activities (U/mg)	Cellulase Hemicellulase Protease (DMC) α-Amylase Pectinase	ca. 2	1.9 0.82 0.031 0.29 0.033
Minimum shelf life		CTES .	08.04.2021
Storage (°C)	(- Olin	+2 to +8
Unit definitions	- C ^{ill}		

Cellulase

1 unit is the amount of enzymatic activity which catalyzes the liberation of 1 μ 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 µmol 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 µequivalent peptide bond from dimethylcasein per minute at 25°C, pH 7.0, expressed in terms of the appearance of new terminal amino groups.

α-Amylase

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

We do not guarantee that the product can be used for a special application. This document does not release you from performing the standard control upon receipt of incoming goods.

SERVA Electrophoresis GmbH Quality Control

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Christian Monsler

Daniela Lux-Helmstetter

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