SPEZIFIKATION

SPECIFICATION



Cellulase "Onozuka" RS from Trichoderma viride Cat.No.: 16420

Parameter Method Specification

Molecular weight ca. 52 000

Appearance beige lyophilisate

Activities (U/mg) Cellulase ca. 2

Hemicellulase Protease (DMC) α-Amylase Pectinase

Storage (°C) +2 to +8

Unit definitions

Cellulase

1 unit is the amount of enzymatic activity which catalyzes the liberation of 1 µmol 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 μ 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 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.

Die Eignung des Produktes für spezielle Anwendungszwecke wird nicht zugesichert.

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