



Megazyme

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Certificate of Analysis

Product: Cellobiohydrolase I (*Trichoderma longibrachiatum*)
Cat. No: E-CBHI
Lot. No: 190502
Expiry Date: December, 2025

Specific activity and level of other activities:

0.12 U/mg protein (40°C, pH 4.2 on *p*NP- β -lactoside)

One Unit of cellobiohydrolase activity is defined as the amount of enzyme required to release one μ mole of *p*-nitrophenol (*p*NP) per minute from *p*-nitrophenol- β -lactoside in sodium acetate buffer (100 mM), pH 4.5 and 40°C.

Substrate	%
<i>p</i> -Nitrophenyl β -lactoside	100
CM-Cellulose	24.52
<i>p</i> -Nitrophenyl β -cellobioside	0.18
Cellazyme C Tablets	0.72
<i>p</i> -Nitrophenyl β -D-Glucopyranoside	0.06

Action on *p*NP-substrates and polysaccharides or oligosaccharides was determined at a final substrate concentration of 2.5 mM and 5 mg/mL, respectively, in sodium acetate buffer (100 mM), pH 4.5 at 40°C.

This lot meets our specification.

Signature:

Date: 06.Apr.2023

Ciara McLoughlin
QC Manager

(as this certificate is a computer printout, it has not been signed or dated by hand)