Megazyme Building 1,
Bray Business Park,
Bray, Co. Wicklow,
A98 YV29,
Ireland.
Tel: + 353 1 2861220 Fax: + 353 1 2861264

Certificate of Analysis

Product: Cellobiohydrolase I (*Trichoderma longibrachiatum*)
Cat. No: E-CBHI
Lot. No: 240813
Expiry Date: 2027-12-31

Specific activity and level of other activities:

0.12 U/mg protein (40°C, pH 4.5 on *p*NP-β-lactoside)
One Unit of cellobiohydrolase activity is defined as the amount of enzyme required to release one µmole 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	%
p-Nitrophenyl β-lactoside	100
CM-Cellulose	24.52
p-Nitrophyel β-cellobioside	0.18
Cellazyme C Tablets	0.72
p-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: Kevin O'Leary **Date:** 2024-09-18

Kevin O'Leary
QC Specialist

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

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