Megazyme Building 1,
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Certificate of Analysis

Product: β-Glucosidase (*Agrobacterium sp.*)
Cat. No: E-BGOSAG
Lot. No: 240903
Expiry Date: 2027-12-31

Specific activity and level of other activities:

140 U/mg protein (on *p*NP-β-D-glucopyranoside) at pH 7.0 and 40°C
One Unit of β-glucosidase activity is defined as the amount of enzyme required to release one µmole of of *p*-nitrophenol (*p*NP) per minute from *p*-nitrophenyl-β-D-glucopyranoside (10 mM) in sodium phosphate buffer (50 mM), pH 7.0 at 40°C.

Enzyme measured	%
*p*NP-β-D-Glucopyranoside	100
Cellobiose	~ 110
*p*NP-β-D-Galactopyranoside	~ 57
Ceralpha Reagent	< 0.0001
Starch	< 0.0001
*p*NP-α-D-Glucopyranoside	< 0.0001
Cellazyme C Tablets (*endo*-1,4-β-Glucanase)	< 0.0001

Action on polysaccharide and p-nitropenyl substrates was determined at final concentrations of 5 mg/mL and 5 mM, respectively, in sodium phosphate buffer (100 mM), pH 7.0 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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