Megazyme Building 1,
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Tel: + 353 1 2861220 Fax: + 353 1 2861264

Certificate of Analysis

Product: α-Glucosidase (*Bacillus stearothermophilus*) (Recombinant)
Cat. No: E-TSAGS
Lot. No: 220904B
Expiry Date: December, 2026

Specific activity and level of other activities:

70 U/mg protein (on 4-nitrophenyl α-D-glucopyranoside) at pH 6.5 and 40°C
One Unit of α-D-glucosidase activity is defined as the amount of enzyme required to produce one µmole of p-nitrophenol from 4-nitrophenyl α-D-glucopyranoside per minute at pH 6.5 and 40°C measured at 400 nm.

Substrate	%
4-nitrophenyl α-D-glucopyranoside	100
Blocked *p*-Nitrophenol Maltoheptaoside	< 0.0001

Action on *p*-nitrophenol substrates was determined at a final substrate concentration of 5 mM in sodium phosphate buffer (100 mM), pH 6.5 at 40°C.

This lot meets our specification.

Signature: Ciara McLoughlin **Date:** 20.Apr.2023

Ciara McLoughlin

QC Manager

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

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