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

Certificate of Analysis

Product: Amyloglucosidase (*Rhizopus sp.*)
Cat. No: E-AMGPU
Lot. No: 240601
Expiry Date: 2027-12-31

Specific activity and level of other activities:

42 U/mg protein (on soluble starch) at pH 4.5 and 40°C
One Unit of amyloglucosidase activity is defined as the amount of enzyme required to release one µmole of D-glucose reducing-sugar equivalents per minute from soluble starch (10 mg/mL) in sodium acetate buffer (100 mM), pH 4.5 at 40°C.

Substrate	%
Starch	100
Maltose	11.9
p-Nitrophenyl β-maltoside	6.7
Ceralpha Reagent	< 0.0002
Barley Beta-Glucan	< 0.0002
Wheat arabinoxylan	< 0.03

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:** 2024-08-07

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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