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Certificate of Analysis

Product: Amyloglucosidase (*Rhizopus sp.*)
Cat. No: E-AMGPU
Lot. No: 171102A
Expiry Date: December, 2025

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 μ mole 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
<i>p</i> -Nitrophenyl β -maltoside	6.7
Ceralpha Reagent	< 0.000002
Barley Beta-Glucan	< 0.000002
Wheat arabinoxylan	< 0.000002

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: 16.Mar.2022

Ciara McLoughlin
QC Specialist

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