

## Certificate of Analysis

**Product:**  $\alpha$ -Glucosidase (yeast maltase)  
**Cat. No:** E-MALTS  
**Lot. No:** 240201  
**Expiry Date:** December, 2026

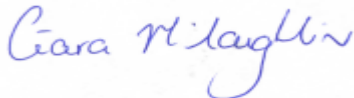
### Specific activity and level of other activities:

**120 U/mg protein (on *p*NP- $\alpha$ -D-glucopyranoside) at pH 6.8 and 40°C**

| Substrate  | %       |
|--|---------|
| <i>p</i> NP- $\alpha$ -Glucoside                       | 100     |
| Maltose  | 15.7    |
| Sucrose  | 16.6    |
| <i>p</i> NP- $\beta$ -Glucosidase                      | < 0.001 |
| <i>p</i> NP- $\alpha$ -Galactoside                     | < 0.001 |
| <i>p</i> NP- $\beta$ -Galactoside                      | < 0.001 |
| Blocked <i>p</i> NP-Maltoheptoaside (Ceralpha reagent) | < 0.001 |

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 maleate buffer (100 mM), pH 6.8 at 40°C.

This lot meets our specification.

**Signature:** 

**Date:** 15.Feb.2024

Ciara McLoughlin  
QC Manager

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