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## Certificate of Analysis

**Product:**  $\alpha$ -Amylase (Thermostable) (*Bacillus sp.*)  
**Cat. No:** E-BSTAA  
**Lot. No:** 180701A  
**Expiry Date:** December, 2026

### Specific activity and level of other activities:

Substrate	Specific Activity (U/mg Protein)
Ceralpha Reagent (pH 6.5, 40°C)	170

One Unit of  $\alpha$ -amylase activity is defined as the amount of enzyme required to release one  $\mu$ mole of p-nitrophenol from blocked p-nitrophenyl-maltoheptaoside per minute (in the presence of excess  $\alpha$ -glucosidase) at pH 6.5 and 40°C.

This lot meets our specification.

**Signature:** 

Ciara McLoughlin

QC Manager

**Date:** 09.Jun.2023

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