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

Certificate of Analysis

Product: α-Amylase (*Bacillus licheniformis*)
Cat. No: E-BLAAM-40ML
Lot. No: 200301C
Expiry Date: December, 2027

Specific activity and level of other activities:

One Unit of α-amylase is the amount of enzyme required to release one µmole of *p*-nitrophenol from blocked *p*-nitrophenyl-maltoheptaoside per minute (in the presence of excess α-glucosidase) at pH 6.5 and 40°C.

Substrate	Specific Activity (U/mg Protein)
α-Amylase (Ceralpha Reagent at pH 6.5 and 40°C)	54 U/mg (3,000 U/mL)
Soluble Starch (at pH 6.5 and 40°C)	~ 10,000 U/mL
Amyloglucosidase (*p*-Nitrophenyl β-maltoside)	undetectable
Cellulase (CM-Cellulose 4M)	undetectable
β-Mannanase (Carob galactomannan)	undetectable

This lot meets our specification.

Signature: Ciara McLoughlin **Date:** 19.Dec.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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