



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

## Certificate of Analysis

**Product:** *endo-1,4-β-Xylanase (Neocallimastix patriciarum)*  
**Cat. No:** E-XYLNP  
**Lot. No:** 191101B  
**Expiry Date:** December, 2026

### Specific activity and level of other activities:

**800 U/mg protein (on wheat arabinoxylan) at pH 6.0 and 40°C**

**1050 U/mg protein (on wheat arabinoxylan) at pH 6.0 and 50°C**

One Unit of xylanase activity is defined as the amount of enzyme required to release one μmole of xylose reducing-sugar equivalents per minute from wheat arabinoxylan (5 mg/mL) in sodium phosphate buffer (100 mM) pH 6.0.

| Substrate          | %       |
|--------------------|---------|
| Wheat Arabinoxylan | 100     |
| CM-Cellulose 4M    | < 0.001 |
| Barley β-Glucan    | < 0.001 |

Action on polysaccharide substrates was determined at a final substrate concentration of 5 mg/mL in sodium phosphate buffer (100 mM), pH 6.0 at 40°C.

This lot meets our specification.

**Signature:** 

Ciara McLoughlin

QC Manager

**Date:** 20.Apr.2023

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