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: 191101C
Expiry Date: December, 2027

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 **Date:** 02.May.2024

Ciara McLoughlin

Quality Manager

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

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