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Certificate of Analysis

Product: Xyloglucanase (GH5) (*Paenibacillus* sp.)
Cat. No: E-XEGP
Lot. No: 230101A
Expiry Date: December, 2027

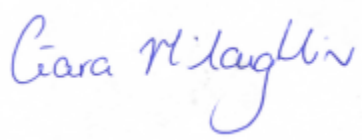
Specific activity and level of other activities:

75 U/mg protein (on tamarind xyloglucan) at pH 5.5 and 40°C
One Unit of xyloglucanase activity is defined as the amount of enzyme required to release one µmole of glucose reducing-sugar equivalents per minute from xyloglucan (5 mg/mL) in sodium acetate buffer (100 mM) plus 1mg/mL BSA, pH 5.5.

Substrate	%
Xyloglucan (Tamarind)	100
CM-Cellulose 4M	7.7

Action on polysaccharide substrates was determined at final substrate concentrations of 5 mg/mL in sodium acetate buffer (100 mM) plus 1mg/mL BSA, pH 5.5 at 40°C.

This lot meets our specification.

Signature:  **Date:** 18.Apr.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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