Megazyme Building 1,
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Tel: + 353 1 2861220 Fax: + 353 1 2861264

Certificate of Analysis

Product: Feruloyl esterase (rumen microorganism)
Cat. No: E-FAERU
Lot. No: 241128
Expiry Date: 2028-12-31

Specific activity and level of other activities:

100 U/mg protein (on ethyl-ferulate) at pH 6.5 and 40°C.
One Unit of feruloyl esterase activity is defined as the amount of enzyme required to release one µmole of ferulic acid per minute from ethyl-ferulate (0.39 mM) in sodium phosphate buffer (100 mM), pH 6.5 and 40°C

Substrate	Relative Hydrolysis rates, %
Ethyl-ferulate	100
Methyl-ferulate	~47
Methyl-*para*-coumarate	~12
Methyl-caffeate	~55
Methyl-sinapinate	~5

Action on methyl *s*ubstrates was determined at a final substrate concentration of 0.032 mM in sodium phosphate buffer (100 mM), pH 6.5 at 40°C.

This lot meets our specification.

Signature: Ciara McLoughlin **Date:** 2024-11-08

Ciara McLoughlin

Quality Manager

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

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