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Certificate of Analysis

Product: α-L-Arabinofuranoside (*Aspergillus niger*)
Cat. No: E-AFASE
Lot. No: 241174
Expiry Date: 2028-12-31

Specific activity and level of other activities:

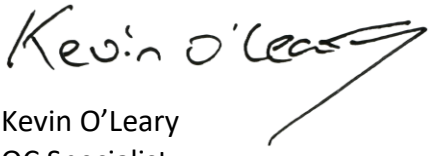
32 U/mg protein (*p*-nitrophenyl-α-L-arabinofuranoside) at 4.0 and 40°C

One Unit of α-L-arabinofuranosidase activity is defined as the amount of enzyme required to release one µmole of *p*-nitrophenol (*p*NP) per minute from *p*-nitrophenyl-α-L-arabinofuranoside (5 mM) in sodium acetate buffer (100 mM), pH 4.0 at 40°C.

Substrate	%
p-Nitrophenyl-α-arabinofuranoside	100
1,5-α-L-Arabinotriitol	22.10
Sugar-beet arabinan	39.30
Wheat flour arabinoxylan	2.19
Debranched Sugar-beet arabinan	1.25
CM-Linear Arabinan	< 0.003
Xylan Beechwood	< 0.03

Action on *p*NP-substrates and polysaccharides or oligosaccharides was determined at a final substrate concentration of 2.5 mM and 5 mg/mL, respectively, in sodium acetate buffer (100 mM), pH 4.0 at 40°C.

This lot meets our specification.

Signature:  **Date:** 2024-11-18

Kevin O'Leary
QC Specialist

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

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