



Megazyme

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Certificate of Analysis

Product: α -L-Arabinofuranoside (*Aspergillus niger*)
Cat. No: E-AFASE
Lot. No: 150601F
Expiry Date: December, 2026

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 μ mole 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	%
<i>p</i> -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: 23.Feb.2023

Ciara McLoughlin
QC Specialist

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