

**α-L-ARABINOFURANOSIDASE (*Aspergillus niger*)**

08/23

**Non-recombinant****E-AFASE**

EC: 3.2.1.55

**Synonyms:** non-reducing end alpha-L-arabinofuranosidase; alpha-L-arabinofuranoside non-reducing end alpha-L-arabinofuranosidase

**CAZy Family:** GH51

**CAS:** 9067-74-7

Refer to the product lot number Certificate of Analysis for lot specific properties.

**PROPERTIES****1. ELECTROPHORETIC PURITY:**

- Single major band on SDS-gel electrophoresis (MW = 62,000)
- Single major band on isoelectric focusing (pI < 3.0)

**2. SPECIFICITY:**

Hydrolysis of α-1,2- and α-1,3-linked L-arabinofuranose residues from arabinoxylans and branched arabinans. Hydrolyses α-1,5-linked arabino-oligosaccharides at a much lower rate.

**3. PHYSICOCHEMICAL PROPERTIES:**

Recommended conditions of use are at pH 4.0-4.5 and up to 60°C.

pH Optima: 4.0

pH Stability: 3.5-5.0 (> 75% control activity after 16 h at 4°C)

Temperature Optima: 40°C (10 min reaction)

Temperature Stability: up to 60°C (> 75% control activity after 15 min incubation at temperature)

**4. STORAGE CONDITIONS:**

The enzyme is supplied as a suspension in 3.2 M ammonium sulphate containing 0.02% (w/v) sodium azide and should be stored at 4°C. For assay, this enzyme should be diluted in sodium acetate buffer (100 mM), pH 4.0. **Swirl to mix the enzyme immediately prior to use.**

5. EXPERIMENTAL DATA:

