

α-GALACTOSIDASE (*Aspergillus niger*) POWDER

12/24

Non-recombinant**E-AGLANP**

EC: 3.2.1.22

Synonyms: alpha-galactosidase; alpha-D-galactoside galactohydrolase**CAZy Family:** GH36**CAS:** 9025-35-8**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 = 97,000)
- Single major band on isoelectric focusing (pI = 4.2)

2. SPECIFICITY:

Hydrolysis of terminal, non-reducing α-D-galactose residues in α-D-galactosides, including galactose oligosaccharides, galactomannans and galactolipids.

3. PHYSICOCHEMICAL PROPERTIES:

pH Optima:	4.5-5.0
pH Stability:	4.0-8.0
Temperature Optima:	60°C (at pH 5.0)
Temperature Stability:	Unstable above 60°C

4. STORAGE CONDITIONS:

The enzyme is supplied as a freeze-dried powder and should be stored dry at -20°C. On dissolution in buffer, the enzyme should be stored in the frozen state in a polypropylene container between use. For use in **K-FRUC** kit, dissolve the contents of the bottle in 15 mL of 50 mM sodium acetate buffer (pH 4.5) and store in 5 mL aliquots in polypropylene tubes at -20°C between use.