

**α-AMYLASE (*Bacillus licheniformis*)**

08/23

**Non-recombinant****E-BLAAM-A-100ML**

EC: 3.2.1.1

Synonyms: alpha-amylase; 4-alpha-D-glucan glucanohydrolase

CAZy Family: GH13

CAS: 9000-90-2 / 9000-85-5

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

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

- Single major band on isoelectric focusing (pI = 7.4)
- Single major band on SDS-gel electrophoresis (MW = 58,000)

**2. PHYSICOCHEMICAL PROPERTIES:**

pH Optima:	6.0-6.5
pH Stability:	4.5-8.0
Temperature Optima:	75°C
Temperature Stability:	< 80°C

**3. STORAGE CONDITIONS:**

The enzyme is supplied as a stabilised solution and should be stored at 4°C.

The enzyme is supplied at a concentration of 750 U/mL on Ceralpha Reagent at pH 6.5 and 40°C (i.e. approx. 2,500 U/mL on soluble starch under the same assay conditions).

This enzyme is recommended for use with the ANKOM<sup>TDF</sup> Dietary Fiber Analyzer.

The preparation is effectively devoid of cellulase and is free of catalase.