

α -AMYLASE (*Bacillus licheniformis*)

08/23

Non-recombinant

E-BLAAM-100ML

EC: 3.2.1.1

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

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 3000 U/mL on Ceralpha Reagent at pH 6.5 and 40°C (i.e. approximately 10,000 U/mL on soluble starch under the same assay conditions).

This enzyme is recommended for use in **Total Dietary Fiber** analytical procedures. The preparation is effectively devoid of cellulase and is free of catalase.