

α-AMYLASE (*Aspergillus oryzae*)

08/23

Non-recombinant**E-ANAAM**

EC: 3.2.1.1

Synonyms: alpha-amylase; 4-alpha-D-glucan glucanohydrolase**CAZy Family:** GH13**CAS:** 9000-90-2

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

PROPERTIES**1. ELECTROPHORETIC PURITY:**

- Single band on isoelectric focusing (pI ~ 3.5)
- Single band on SDS-gel electrophoresis (MW = 54,000)

2. PHYSICOCHEMICAL PROPERTIES:

pH Optima:	5.0
pH Stability:	4.5-8.0
Temperature Optima:	50°C
Temperature Stability:	< 50°C

3. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension in 0.02% sodium azide and should be stored at 4°C.

The concentration of enzyme as supplied is 1000 CU/mL, the correct concentration for use in the Megazyme **Starch Damage Method**.