



ALPHA-AMYLASE (*Aspergillus oryzae*) (Lot 110501)

E-ANAAM

12/2011

PROPERTIES

1. ELECTROPHORETIC PURITY

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

2. SPECIFIC ACTIVITY AND LEVEL OF OTHER ACTIVITIES

SUBSTRATE	SPECIFIC ACTIVITY (U/mg Protein)
Ceralpha Reagent (for the measurement of α -amylase)	126

3. PHYSICOCHEMICAL PROPERTIES

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

4. 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 U/ml, the correct concentration for use in the Megazyme **Starch Damage Method**.