

α-GLUCOSIDASE (*Bacillus stearothermophilus*) (Recombinant)

08/23

Recombinant - Thermostable**E-TSAGS**

EC: 3.2.1.20

Synonyms: alpha-glucosidase; alpha-D-glucoside glucohydrolase**CAZy Family:** GH13**CAS:** 9001-42-7

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

PROPERTIES**1. ELECTROPHORETIC PURITY:**

- Single band on SDS-gel electrophoresis (MW ~ 66,000)
- Single major band on isoelectric focusing (pI ~ 6.7)

2. PHYSICOCHEMICAL PROPERTIES:

pH Optima:	6.0-6.5
pH Stability:	5.0-9.0 (> 75% control activity after 24 h at 4°C)
Temperature Optima:	60°C (10 min. reaction)
Temperature Stability:	up to 60°C (> 90% control activity after 15 min.)

3. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension in 0.02% (w/v) sodium azide and should be stored at 4°C. For assay, this enzyme should be diluted in sodium phosphate buffer (100 mM), pH 6.5 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**