

α -GLUCOSIDASE (yeast maltase)

08/23

Non-recombinant

E-MALTS

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 ~ 52,000)
- One major band on isoelectric focusing (pI ~ 5.7)

2. SPECIFICITY:

Hydrolysis of terminal, non-reducing (1,4)-linked α -D-glucose residues with release of D-glucose.

3. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 6.0-7.0 and up to 40°C.

pH Optima:	6.8
pH Stability:	5.0-7.0
Temperature Optima:	40°C
Temperature Stability:	up to 40°C

4. STORAGE CONDITIONS:

The enzyme is supplied as an ammonium sulphate suspension containing 0.02% (w/v) sodium azide and should be stored at 4°C. For assay, this enzyme should be diluted in sodium maleate buffer (100 mM), pH 6.8 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**