

β -GLUCOSIDASE (*Aspergillus sp.*) lot 200701A

01/24

Non-recombinant

E-BGLUC

EC: 3.2.1.21

Synonyms: beta-glucosidase; beta-D-glucoside glucohydrolase

CAZy Family: GH3

CAS: 9001-22-3

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

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 90,000)

2. SPECIFICITY:

Hydrolysis of terminal, non-reducing β -D-glucosyl residues with release of β -D-glucose.

3. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 4.0-5.0 and up to 60°C

pH Optima: 4.5

pH Stability: 4.0-7.0 (> 75% control activity after 24 h at 4°C)

Temperature Optima: 80°C (10 min reaction)

Temperature Stability: up to 60°C (> 75% control activity after 15 min incubation at temperature)

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 acetate buffer (100 mM), pH 4.0 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**

5. EXPERIMENTAL DATA:

