

β-GALACTOSIDASE (*Aspergillus niger*)

08/23

Non-recombinant**E-BGLAN**

EC: 3.2.1.23

Synonyms: beta-galactosidase; beta-D-galactoside galactohydrolase**CAZy Family:** GH35**CAS:** 9031-11-2**Refer to the product lot number Certificate of Analysis for lot specific properties.****PROPERTIES****1. ELECTROPHORETIC PURITY:**

- Single band on SDS-gel electrophoresis (MW ~ 125,000)
- Single band on isoelectric focusing.

2. SPECIFICITY:

Hydrolysis of terminal non-reducing β-D-galactose residues in β-D-galactosides.

3. PHYSICOCHEMICAL PROPERTIES:

pH Optima:	5.0
pH Stability:	4.0-9.0
Temperature Optima:	60°C
Temperature Stability:	< 70°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 acetate buffer (100 mM), pH 4.5 containing 1 mg/mL BSA. **Swirl to mix the enzyme immediately prior to use.**

5. EXPERIMENTAL DATA:

