

SUCRASE (from yeast)

08/23

Non-recombinant**E-SUCR**

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 major band on SDS-gel electrophoresis (62,000)
- 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. This enzyme specifically hydrolyses sucrose in the presence of fructo oligosaccharides.

3. PHYSICOCHEMICAL PROPERTIES:

pH Optima:	6.4-6.8
pH Stability:	5.6-7.0
Temperature Optima:	30°C
Temperature Stability:	< 40°C

4. STORAGE CONDITIONS:

The enzyme is supplied as a lyophilised powder and should be stored below -10°C. On dissolution in buffer or water, the enzyme should be stored in the frozen state. It is recommended that all buffers used for dilution contain BSA (1.0 mg/mL).