

**Glucose oxidase from Aspergillus sp. Activity: >250U/mg**

**Product Code:** 192655

**EC:** 1.1.3.4

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**SKU:** 192655

**Category:** [Enzymes](#)

## PRODUCT DESCRIPTION

## SPECIFICATIONS

**EC:** 1.1.3.4

Name  $\beta$ -D-Glucose: oxygen 1-oxydoreductase

Appearance Yellowish amorphous powder lyophilized

Activity Grade II, 250 U/mg-solid or more 1 unit oxidizes 1  $\mu$ mole of b-D-glucose to D-gluconolactone and H<sub>2</sub>O<sub>2</sub> per minute at pH 7.0 at 25°C

Contaminants Catalase  $\leq$  0.05 %, Amylase  $\leq$  0.05 %, Maltase  $\leq$  0.05 % Saccharase  $\leq$  0.5 %

Stability Stable at -20°C for at least 12 months

Molecular weight approx. 153,000

Inhibitors p-Chloromercuribenzoate, heavy metal ions ( $\text{Cu}^{2+}$ ,  $\text{Hg}^{2+}$ ,  $\text{Ag}^{+}$ )

SUBSTRATE SPECIFICITY

SUBSTRATE	RELATIVE ACTIVITY
b-D-Glucose	100%
D (+) Galactose	0.25%
Maltose	0.35%
D (+) Mannose	1.45%