

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

Product Code: 192655

EC: 1.1.3.4

SKU: 192655

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS

EC: 1.1.3.4

Name β -D-Glucose:oxygen 1-oxydoreductase

Appearance Yellowish amorphous powder lyophilized

Activity Grade II, 250 U/mg-solid or more 1 unit oxidizes 1 μ mole of β -D-glucose to D-gluconolactone and H₂O₂ 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 (Cu^{2+} , Hg^{2+} , Ag^{+})

SUBSTRATE SPECIFICITY

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