

Glucose oxidase from Aspergillus sp. Activity: >100U/mg

Product Code: 192633

EC: 1.1.3.4

SKU: 192633

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, 100 U/mg-solid or more (containing approx. 50% of stabilizers)

Contaminants Catalase $\leq$ 3.0%

Stabilizers Potassium gluconate, sodium glutamate

Stability Stable at $\pm 20^{\circ}\text{C}$ for at least 12 months

Molecular weight approx. 153,000

Michaelis constants 3.3×10^{-2} M (β -D-Glucose) 6.1×10^{-2} M (2-Deoxyglucose)

Structure Glycoprotein with 2 moles of FAD

Inhibitors p-Chloromercuribenzoate, heavy metal ions

Optimum pH 4.5

Optimum temperature 40–50 °C

pH Stability pH 4.5–6.0 (30 °C, 20hr)

Thermal stability below 50 °C (pH 5.7, 1hr)