

**Glucose oxidase from Aspergillus sp. Activity: >160U/mg**

**Product Code:** 192466

**EC:** 1.1.3.4

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**SKU:** 192466

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

Contaminants Catalase  $\leq$  3.0%

Stabilizers Potassium gluconate, sodium glutamate

Stability Stable at  $\square$ 20°C for at least 12 months

Molecular weight approx. 153,000

Michaelis constants  $3.3 \times 10^{-2}$  M ( $\beta$ -D-Glucose)  $6.1 \times 10^{-2}$  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)