

L-α-Glycerophosphate Oxidase from Microorganism

Product Code: 193715

EC no: 1.1.3.21

SKU: 193715

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS

EC 1.1.3.21

Product name: sn-Glycerol-3-phosphate: oxygen 2- oxidoreductase

Appearance: Yellowish amorphous powder lyophilized

Activity: Grade III, 15 U/mg-solid or more

Contaminants:

- Lactate oxidase $\leq 2.0 \times 10^{-4}$ %
- Adenosine triphosphatase $\leq 2.0 \times 10^{-4}$ %

Stabilizers: FAD, amino acids

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

Molecular weight: Approx. 67,000 (by SDS-PAGE)

Isoelectric point 4.6 ± 0.1

Michaelis constants: $1.3 \times 10^{-3} \text{M}$

Inhibitors: Ionic detergents, SH reagents, Metal ions, etc.

Optimum pH: 6.0 – 7.0

Optimum temperature: 45°C

pH Stability: pH 4.5–8.5 (25°C, 20hr)

Thermal stability: Below 45 °C (pH 6.5, 15min)