

Lactate Oxidase from Microorganism Activity > 80 U/mg solid or more

Product Code: 193333

EC no: 1.13.12.4

SKU: 193333

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS:

EC 1.13.12.4

Product name: L-Lactate: oxygen oxidoreductase

Appearance: Yellowish amorphous powder, lyophilized

Molecular weight: approx. 160,000 (gel filtration)

Activity: > 80 U/mg solid or more

Contaminants:

- Pyruvate oxidase: < 0.001 %
- Uricase: < 0.001 %
- Glucose oxidase: < 0.001 %
- Cholesterol oxidase: < 0.001 %

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

Inhibitors: Fe⁺⁺⁺, SDS

Michaelis constant: L-lactate: 1×10^{-3} M

Isoelectric point: 4.3 + 0.2

Optimum pH: 7.5

Optimum temperature: 35 - 40 °C

pH Stability: pH 4.0 - 9.8 (25°C, 16h)

Thermal stability: Below 50 °C (pH 7.0, 10 min)