

SPECIFICATIONS

L- α -Glycerophosphate Oxidase from Microorganism GPO-110

Product name	sn-Glycerol-3-phosphate: oxygen 2- oxidoreductase
EC	1.1.3.21
Appearance	Yellowish amorphous powder lyophilized
Activity	10 U/mg-solid or more
Stabilizers	FAD, amino acids
Stability	Stable at -20°C for at least 12 months
Molecular weight	approx. 67,000
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	$35\text{--}45^{\circ}\text{C}$
pH Stability	pH 4.5–8.5
Thermal stability	below 45°C

