



Certificate of Analysis

Product name: GLUTAMATE OXALOACETATE TRANSAMINASE (EC 2.6.1.1)

Product code: # GOT

Batch: 014.00222

Mfg Date: November 2022

Tests	Specifications	Results	Comment
Activity (U/ml)	> 1800	2292	Passed
Specific Activity (U/mg of proteins) ¹	> 180	214	Passed

Unit definition

One Unit of Glutamate Oxaloacetate Transaminase is defined as the amount of enzyme required to convert one μ mole of α -ketoglutarate to L-glutamate per minute at 25°C, in the presence of L-aspartic acid, under the following assay conditions:

Tris/HCl buffer, pH 8.5	135 mM
L-aspartic acid	30 mM
α -ketoglutarate	28 mM
BSA	1 mg/ml
Pyridoxal phosphate	200 μ M
β -NADH	0.24 mM
L-malic dehydrogenase	40 U/ml

References

¹ Determined as Ref.: Bradford M. M., *Analytical Biochemistry*, Vol. **72**: pp. 248-254 (1976).

Storage and use conditions

The enzyme is supplied as an ammonium sulphate suspension and should be stored at +2/+8 °C. For assay, this enzyme should be diluted in 135 mM Tris/HCl buffer pH 8.5 containing 1 mg/ml BSA and 300 μ M Pyridoxal Phosphate. **Swirl to mix the enzyme suspension immediately prior to use.**

Exp. Date: November 2025

Quality Assurance
Rosaria Cassese

CPC BIOTECH S.r.l.
Sede Legale e Amministrativa/Registered and account office:
Via L. Galvani, 1
20875 Burago di Molgora (MB) – Italia
Tel. +39 039 6898029
Fax. +39 039 6899774

Partita IVA 00751490962
Codice Fiscale 03447450150
R.E.A.1074257
Registro Imprese di Monza e Brianza
Cap. Soc. € 114.000,00 i.v.
www.cpcbitech.it