



Certificate of Analysis

Product name: GLUTAMATE OXALOACETATE TRANSAMINASE (EC 2.6.1.1)

Product code: # GOT

Batch: 014.00123

Mfg Date: July 2023

Tests	Specifications	Results	Comment
Activity (U/ml)	> 1800	2283	Passed
Specific Activity (U/mg of proteins) ¹	> 180	284	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

¹Determined 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: July 2026

Quality Assurance
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