



## Certificate of Analysis

**Product name: GLUTAMATE OXALOACETATE TRANSAMINASE (EC 2.6.1.1)**

**Product code: # GOT**

**Batch: 014.00120**

**Mfg Date: November 2020**

Tests	Specifications	Results	Comment
Activity (U/ml)	> 1800	<b>2304.2</b>	Passed
Specific Activity (U/mg of proteins) <sup>1</sup>	> 180	<b>188.2</b>	Passed

### Unit definition

One Unit of Glutamate Oxaloacetate Transaminase is defined as the amount of enzyme required to convert one  $\mu$ mole of  $\alpha$ -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
$\alpha$ -ketoglutarate	28 mM
BSA	1 mg/ml
Pyridoxal phosphate	200 $\mu$ M
$\beta$ -NADH	0.24 mM
L-malic dehydrogenase	40 U/ml

### References

<sup>1</sup>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  $\mu$ M Pyridoxal Phosphate. **Swirl to mix the enzyme suspension immediately prior to use.**

**Exp. Date: November 2023**

Quality Assurance  
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