

# CERTIFICATE OF ANALYSIS

**Glutamate dehydrogenase from bovine liver**  
E.C. 1.4.1.3 solution

**Cat.No. : 22904**  
**Contr.No.: 150590**

Parameter	Method	Specification	Result
<b>Molecular weight</b>		ca. 350 000	
<b>Appearance</b>		colorless solution in 50 % glycerol	corresponds
<b>Activity (U/mg protein)</b>	Glutamate dehydrogenase in the presence of ADP	ca. 100	96
<b>Activity in other units (U/mg protein)</b>	not containing ADP	ca. 40	48.6
<b>Protein content (mg/ml)</b>	Lowry	ca. 20	22.0
<b>Minimum shelf life</b>			05/ 2017
<b>Storage (°C)</b>			+2 to +8

## Unit definition

1 Unit is that amount of enzymatic activity which catalyzes the reductive amination of 1 µmole of 2-oxoglutarate per minute at 25°C, pH 7.3 in the presence of ADP.

1 Unit causes the transformation of 1 µmole 2-oxoglutarate per minute at 25°C and pH 7.3 under assay conditions not containing ADP.

We do not guarantee that the product can be used for a special application.  
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**SERVA Electrophoresis GmbH**  
**Quality Control**

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