

# CERTIFICATE OF ANALYSIS

<b>Glutamate dehydrogenase from bovine liver</b>	<b>Cat.No. : 22904</b>
<b>E.C. 1.4.1.3 solution</b>	<b>Contr.No.: 120203</b>

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	107
<b>Activity in other units (U/mg protein)</b>	not containing ADP	ca. 40	54.3
<b>Protein content (mg/ml)</b>	Lowry	ca. 20	22.4
<b>Minimum shelf life</b>			02/ 2014
<b>Storage (°C)</b>			+2 to +8

## Unit definition

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

1 Unit causes the transformation of 1  $\mu$ mole 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. This document does not release you from performing the standard control upon receipt of incoming goods.
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**SERVA Electrophoresis GmbH**  
**Quality Control**

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