

**CERTIFICATE OF ANALYSIS**

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

**Cat.No. : 22904**  
**Contr.No.: 121076**

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	94
<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>			05/ 2015
<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.**  
**This document does not release you from performing the standard control upon receipt of incoming goods.**

**SERVA Electrophoresis GmbH**  
**Quality Control**

**Printing date:** 19.05.2014

Dipl.-Ing. (FH) Bernhard Göckel

Daniela Lux-Helmstetter

This report has been computer generated and does not contain a signature.