

# CERTIFICATE OF ANALYSIS

**Carbonic anhydrase from bovine erythrocytes**  
EC 4.2.1.1 lyophil. salt-free

**Cat.No. : 15882**  
**Contr.No.: 190886**

Parameter	Method	Specification	Result
<b>Molecular weight</b>		ca. 29 000	
<b>Appearance</b>		white lyophilisate	corresponds
<b>Solubility</b>	1 mg/ml 0.04 M Tris/HCl- buffer, pH 7.6	clear and colorless	corresponds
<b>Activity (U/mg)</b>	Carbonic anhydrase	min. 1.0	1.2
<b>Protein concentration (g protein/ g material)</b>	Lowry		0.830
<b>Minimum shelf life</b>			05.09.2024
<b>Storage (°C)</b>			-15 to -25

## Unit definition

1 Unit is that amount of enzymatic activity that catalyzes the hydrolysis of 1  $\mu$ mol of p-nitrophenylacetate per minute at 25°C, pH 7.6.

We hereby certify that the raw material used was of Australian origin, collected from abattoirs which are under veterinary control and from healthy animals certified as fit for human consumption. All reasonable precautions were taken to prevent contamination of the products during and after processing. The above product is supplied for research purposes and/or in vitro use only, and is not to be used in humans or animals.

**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**

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Dr. Judith Koch

Daniela Lux-Helmstetter

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