

# CERTIFICATE OF ANALYSIS

**Alkaline Phosphatase from calf intestine**  
E.C. 3.1.3.1. solution

**Cat.No. : 32471**  
**Contr.No.: 191217**

Parameter	Method	Specification	Result
<b>Molecular weight</b>		ca. 140 000	
<b>Appearance</b>		colorless solution in 50% glycerol, cont. 5mM Tris, 5mM MgCl <sub>2</sub> , 0.1mM ZnCl <sub>2</sub> , pH ca. 7.0	corresponds
<b>Protein content (mg/ml)</b>		15 – 30	17.7
<b>Activity (U/mg protein)</b>	Alkaline Phosphatase	ca. 3 000	4470
<b>Minimum shelf life</b>			09.12.2021
<b>Storage (°C)</b>			+2 to +8

## Unit definition

1 Unit is that amount of enzymatic activity which catalyzes the hydrolysis of 1 µmole 4-nitrophenyl phosphate per minute at 37°C, pH 9.8 (DEA buffer).

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: 13.01.2020**

Christian Monsler

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