

## CERTIFICATE OF ANALYSIS

<b>Alkaline Phosphatase from calf intestine</b>	<b>Cat.No. : 32471</b>
E.C. 3.1.3.1. solution	<b>Contr.No.: 190732</b>

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	16.5
<b>Activity (U/mg protein)</b>	Alkaline Phosphatase	ca. 3 000	4312
<b>Minimum shelf life</b>			16.07.2022
<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.  
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**SERVA Electrophoresis GmbH**  
**Quality Control**

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Christian Monsler

Daniela Lux-Helmstetter

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