

# CERTIFICATE OF ANALYSIS

<b>Pepsin porcine</b>	<b>Cat.No. : 31820</b>
E.C. 3.4.23.1. 2x cryst. lyophil.	<b>Contr.No.: 210821</b>

Parameter	Method	Specification	Result
<b>Molecular weight</b>		ca. 36 000	
<b>Appearance</b>		white lyophilisate	corresponds
<b>Solubility</b>	1 mg/ml 0.01 N HCl	clear and colorless	corresponds
<b>Activity (milliAnson-U/mg)</b>	Pepsin by Anson	ca. 15	15.7
<b>Activity (U/E<sub>280</sub>)</b>		> 2500	2760
<b>Activity (PU/mg)</b>	„Pepsin Unit“ according to Anson	ca. 0.015	0.0157
<b>Minimum shelf life</b>			10.07.2023
<b>Storage (°C)</b>			-15 to -25

## Unit definition

1 milliAnson-Unit is equivalent to 1µmol of Folin-positive amino acids calculated as tyrosine, released from denaturated hemoglobin per minute at 37 °C, pH 2.0.

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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Christian Monsler

Patricia Milford

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