

# CERTIFICATE OF ANALYSIS

<b>Peroxidase from horseradish</b>	<b>Cat.No. : 31941</b>
E.C. 1.11.1.7 lyophil.	<b>Contr.No.: 220741</b>

Parameter	Method	Specification	Result
<b>Molecular weight</b>		ca. 40 000	
<b>Appearance</b>		brown to red-brown lyophilisate	corresponds
<b>Solubility</b>	1 mg/ml in 0.2M potassium phosphate buffer pH 7.0	clear and brown	corresponds
<b>RZ</b>	A <sub>403</sub> / A <sub>275</sub>	min. 3.0	3.2
<b>Activity (U/mg)</b>	Peroxidase	min. 1000	1364
<b>Activity in other units (U/mg)</b>	Purpurogallin	min. 250	301
<b>Minimum shelf life</b>			28.07.2024
<b>Storage (°C)</b>			+2 to +8

## Unit definition

1 unit is that amount of enzymatic activity which catalyzes the decomposition of 1 µmol hydrogen peroxide per minute at 25°C, pH 7.0.

1 purpurogallin unit catalyzes the oxidation of 1 mg pyrogallol to purpurogallin in 20 seconds at 20°C and pH 6.0.

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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Dr. Judith Koch

Daniela Lux-Helmstetter

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