

# CERTIFICATE OF ANALYSIS

**Peroxidase from horseradish**  
E.C. 1.11.1.7 lyophil.

**Cat.No. : 31941**  
**Contr.No.: 151429**

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	3.3
<b>Activity (U/mg)</b>	Peroxidase	min. 1000	1280
<b>Activity in other units (U/mg)</b>	Purpurogallin	min. 250	293
<b>Minimum shelf life</b>			21.10.2020
<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**

**Printing date:** 26.08.2019

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