

CERTIFICATE OF ANALYSIS

Peroxidase from horseradish	Cat.No. : 31941
E.C. 1.11.1.7 lyophil.	Contr.No.: 190569

Parameter	Method	Specification	Result
Molecular weight		ca. 40 000	
Appearance		brown to red-brown lyophilisate	corresponds
Solubility	1 mg/ml in 0.2M potassium phosphate buffer pH 7.0	clear and brown	corresponds
RZ	A ₄₀₃ / A ₂₇₅	min. 3.0	3.2
Activity (U/mg)	Peroxidase	min. 1000	1444
Activity in other units (U/mg)	Purpurogallin	min. 250	328
Minimum shelf life			12.06.2021
Storage (°C)			+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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