

CERTIFICATE OF ANALYSIS

| | |
|------------------------------------|--------------------------|
| Peroxidase from horseradish | Cat.No. : 31941 |
| E.C. 1.11.1.7 lyophil. | Contr.No.: 230207 |

| 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 | 1171 |
| Activity in other units (U/mg) | Purpurogallin | min. 250 | 301 |
| Minimum shelf life | | | 20.02.2025 |
| 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

Printing date: 28.02.2023

Dr. Judith Koch

Daniela Lux-Helmstetter

This report has been computer generated and does not contain a signature.