

**Peroxidase from Horseradish, Grade I, Activity: >250U/mg**

**Product Code:** 174678

**EC: 1.11.1.7**

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**SKU:** 174678

**Category:** [Enzymes](#)

## PRODUCT DESCRIPTION

## SPECIFICATIONS

**EC 1.11.1.7**

Product name: Donor:hydrogen-peroxidase oxidoreductase

Appearance: Reddish brown amorphous powder lyophilized

Activity: Grade I, 250 Purpurogallin U/mg-solid or more ( $RZ \geq 3.0$  salt free)

Stability: Stable at  $\square 20^{\circ}\text{C}$  for at least 12 months

Molecular weight: approx. 40,000

Structure: Glycoprotein with one mole of protohaemin IX

Inhibitors: Cyanide, sulfide, fluoride, azide

Optimum pH:  $6.0 \square 7.0$

Optimum temperature: 45 °C

pH Stability: pH 5.0–10.0 (25 °C, 20hr)

Thermal stability below 50 °C (pH 6.0, 10min)

PEO 131 is chromatographically separated from the other isoenzymes using SP Sephadex C-50 by the modified method of Paul et al. The peroxidase fractions having equal RZ values (ca.3.3) are combined to generate the preparation. This preparation has an RZ value of ca.3.3 and is electrophoretically homogeneous.