

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Peroxidase from horseradish – Type VI, essentially salt-free, lyophilized powder,  $\geq 250$  units/mg solid (using pyrogallol)

Product Number:

**P8375**

CAS Number:

9003-99-0

MDL:

MFCD00071339

Storage Temperature:

2 - 8 °C

### TEST

### Specification

Appearance (Color)

Brown to Very Dark Brown and Red to Very Dark Red

Appearance (Form)

Powder

Solubility (Color)

Light Brown to Dark Brown to Dark Red

Solubility (Turbidity)

Clear

10 mg/mL of 0.1M Phosphate Buffer, pH 6.0

units/mg solid

 $\geq 250$ 

Unit definition: One unit will form 1.0 mg Purpurogallin from Pyrogallol in 20 seconds at pH 6.0 at 20 deg C.

RZ

2.5 - 4.0

The RZ is defined as the ratio of the absorbance at 403NM to the absorbance at 275NM. This value is an expression of the ratio of Hemin to protein content.

Recommended Retest Period

4 Years

Specification: PRD.3.ZQ5.10000009468

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.