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| <b>Product:</b>                              | <b>PEROXIDASE</b>   |
| <b>Product code:</b>                         | <b>HRP4C</b>  |
| <b>E.C. number:</b>                          | 1.11.1.7  |
| <b>CAS number:</b>                           | 9003-99-0   |
| <b>EINECS number:</b>                        | 232-668-6   |
| <b>Systematic name:</b>                      | Donor:hydrogen-peroxide oxidoreductase  |
| <b>Source:</b>                               | Horseradish   |
| <b>Form:</b>                                 | A freeze-dried material   |
| <b>Storage conditions:</b>                   | Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15°C or below. |
| <b>Unit definition:</b>                      | That amount of enzyme that will catalyse the production of 1mg of purpurogallin from pyrogallol in 20 seconds at 20°C and pH 6.0.   |
| <b>Activity:</b>                             | Not less than <b>250U/mg material</b>   |
| <b>RZ (E<sub>403</sub>/E<sub>275</sub>):</b> | Greater than <b>3.0</b>   |
| <b>Solubility:</b>                           | Dissolves readily at 5mg/ml in 0.1M Potassium phosphate buffer, pH 6.0, to give a clear solution.   |