

## PRODUCT SPECIFICATIONS

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| <b>Product :</b>         | <b>Peroxidase</b>                                                                               |
| <b>Origin :</b>          | <b>Horseradish</b>                                                                              |
| <b>Code :</b>            | <b>POX-55</b>                                                                                   |
| <b>E.C. Number :</b>     | <b>1.11.1.7</b>                                                                                 |
| <b>Nomenclature :</b>    | <b>Donor:hydrogen-peroxide oxidoreductase</b>                                                   |
| <b>Form :</b>            | <b>Reddish-brown powder</b>                                                                     |
| <b>Activity :</b>        | <b><math>\geq 180</math> u/mg (RZ <math>\geq 2.0</math>)</b>                                    |
| <b>Contaminant :</b>     | <b>Phosphatase: <math>\leq 0.001</math> %</b>                                                   |
| <b>Optimum pH :</b>      | <b>6.0 – 7.0</b>                                                                                |
| <b>Unit definition :</b> | <b>1 unit causes the formation of 1 milligram of purpurogallin in 20 sec at 20°C and pH 6.0</b> |
| <b>Stability :</b>       | <b>12 months</b>                                                                                |
| <b>Storage :</b>         | <b>-20 °C</b>                                                                                   |