

## PRODUCT SPECIFICATIONS

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product :</b>         | <b>Lactate Oxidase</b>                                                                                                                                                                              |
| <b>Origin :</b>          | <b>Microorganism</b>                                                                                                                                                                                |
| <b>Code :</b>            | <b>LOX-800</b>                                                                                                                                                                                      |
| <b>E.C. Number :</b>     | <b>1.13.12.4</b>                                                                                                                                                                                    |
| <b>Nomenclature :</b>    | <b>L-Lactate:oxygen oxidoreductase</b>                                                                                                                                                              |
| <b>Form :</b>            | <b>Yellowish powder</b>                                                                                                                                                                             |
| <b>Activity :</b>        | <b><math>\geq 80</math> u/mg</b>                                                                                                                                                                    |
| <b>Contaminants :</b>    | <b>Pyruvate oxidase: <math>\leq 10^{-3}</math> %<br/>Uricase: <math>\leq 10^{-3}</math> %<br/>Glucose oxidase: <math>\leq 10^{-3}</math> %<br/>Cholesterol oxidase: <math>\leq 10^{-3}</math> %</b> |
| <b>Unit definition :</b> | <b>1 unit causes the formation of 1 <math>\mu</math>mol of <math>H_2O_2</math>/min at 37°C and pH 7.5</b>                                                                                           |
| <b>Stability :</b>       | <b>12 months</b>                                                                                                                                                                                    |
| <b>Storage :</b>         | <b>-20 °C</b>                                                                                                                                                                                       |