

**CERTIFICATE OF ANALYSIS**

|  |                          |
|--|--------------------------|
| <b>Glucose oxidase from <i>Aspergillus niger</i></b> | <b>Cat.No. : 22778</b>   |
| E.C. 1.1.3.4 lyophil.                                | <b>Contr.No.: 110027</b> |

| Parameter                    | Method  | Specification       | Result      |
|------------------------------|---|---------------------|-------------|
| <b>Molecular weight</b>      |   | ca. 160 000         |             |
| <b>Appearance</b>            |   | yellow lyophilisate | corresponds |
| <b>Solubility</b>            | 5 mg/ml in 0.1 M Potassium-Phosphate buffer, pH 7.0 | clear and yellow    | corresponds |
| <b>Activity (U/mg)</b>       | Glucose oxidase                                     | min. 220            | 264         |
| <b>Extraneous activities</b> | Ratio : GOD /Catalase                               | min. 2 000          | > 25 800    |
|                              | Catalase (U/mg material)                            |                     | < 0.01      |
|                              | $\alpha$ -Amylase (%)                               |                     | < 0.0001    |
|                              | Maltase (%)   |                     | < 0.0001    |
|                              | Saccharase (%)                                      |                     | < 0.0001    |
| <b>Minimum shelf life</b>    |   |                     | 12/ 2013    |
| <b>Storage (°C)</b>          |   |                     | -15 to -25  |

**Unit definition**

1 Unit is that amount of enzymatic activity which catalyzes the oxidation of 1  $\mu$ mol glucose to glucuronic acid per minute at 25°C, pH 7.0.

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| <p><b>We do not guarantee that the product can be used for a special application.</b><br/> <b>This document does not release you from performing the standard control upon receipt of incoming goods.</b></p> |
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**SERVA Electrophoresis GmbH**  
**Quality Control**

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