

# CERTIFICATE OF ANALYSIS

<b>Glucose oxidase from Aspergillus niger</b> E.C. 1.1.3.4 lyophil.	<b>Cat.No. : 22778</b> <b>Contr.No.: 220709</b>
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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	268
<b>Extraneous activities</b>	Ratio : GOD /Catalase	min. 2 000	> 28 900
	Catalase (U/mg material)		0.00149
	$\alpha$ -Amylase (%)		< 0.0001
	Maltase (%)		0.000429
	Saccharase (%)		< 0.0001
<b>Minimum shelf life</b>			20.07.2024
<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.

We do not guarantee that the product can be used for a special application.  
This document does not release you from performing the standard control upon receipt of incoming goods.

**SERVA Electrophoresis GmbH**  
**Quality Control**

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Dr. Judith Koch

Daniela Lux-Helmstetter

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