CERTIFICATE OF ANALYSIS

Glucose oxidase from Aspergillus niger	**Cat.No. : 22778**
E.C. 1.1.3.4 lyophil.	**Contr.No.: 181340**

Parameter	Method	Specification	Result
Molecular weight		ca. 160 000	
Appearance		yellow lyophilisate	corresponds
Solubility	5 mg/ml in 0.1 M Potassium-Phosphate buffer, pH 7.0	clear and yellow	corresponds
Activity (U/mg)	Glucose oxidase	min. 220	290
Extraneous activities	Ratio : GOD /Catalase	min. 2 000	> 29 000
	Catalase (U/mg material)		< 0.01
	α-Amylase (%)		< 0.0001
	Maltase (%)		0.0009
	Saccharase (%)		< 0.0001
Minimum shelf life			03.01.2021
Storage (°C)			-15 to -25

Unit definition

1 Unit is that amount of enzymatic activity which catalyzes the oxidation of 1 µmol 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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Christian Monsler

Daniela Lux-Helmstetter

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