

CERTIFICATE OF ANALYSIS

Macerozyme R-10 from Rhizopus sp. lyophil.	Cat.No. : 28302 Contr.No. : 111647
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Parameter	Method	Specification	Result
Appearance		pearl-white powder	corresponds
Solubility	1 mg/ml 0.1 M sodium acetate buffer, pH 4.5	clear and colorless	corresponds
Activities (U/mg)			
	Pectinase	ca. 0.5	0.49
	Cellulase	ca. 0.1	0.085
	Hemicellulase	ca. 0.25	0.24
Minimum shelf life			10/ 2013
Storage (°C)			+2 to +8

Unit definition**Pectinase**

1 Unit is that amount of enzymatic activity which catalyzes the liberation of 1 µmol of reducing groups from pectic acid per minute at 25°C, pH 4.5, calculated as D-galacturonic acid.

Cellulase

1 Unit is that amount of enzymatic activity which catalyzes the liberation of 1 µmol glucose from sodium carboxymethyl cellulose per minute at 40°C, pH 4.5.

Hemicellulase

1 Unit is that amount of enzymatic activity which liberates 1 µmol of reducing groups from beechwood xylan per hour at 37°C, pH 5.5, calculated as xylose.

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.
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SERVA Electrophoresis GmbH
Quality Control**Printing date: 25.10.2011**

Dipl.-Ing. (FH) Bernhard Göckel

Daniela Lux-Helmstetter

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