

CERTIFICATE OF ANALYSIS

Macerozyme R-10 from Rhizopus sp.
lyophil.

Cat.No. : 28302
Contr.No. : 191264

| 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 | 0.65 |
| | Cellulase | ca. 0.1 | 0.11 |
| | Hemicellulase | ca. 0.25 | 0.19 |
| Minimum shelf life | | | 18.12.2021 |
| Storage (°C) | | | +2 to +8 |

Unit definition

Pectinase

1 Unit is that amount of enzymatic activity which catalyzes the liberation of 1 μ mol of reducing groups from polygalacturonic 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 μ mol 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 μ mol 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.**

SERVA Electrophoresis GmbH
Quality Control

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