



Certificate of Analysis

Product name: PENICILLINASE MP (Low concentration) (EC 3.5.2.6)

Product code: # PENASE MP

Batch: 017.MP.00223

Mfg Date: March 2023

Tests	Specifications	Results	Comment
Specific Activity (IU/mg of powder)	> 30	52	Passed

Unit definition

One International Unit of activity is defined as the amount of enzyme that catalyze the hydrolysis of 1.0 micromole of benzylpenicillin per minute at 25 °C at pH 7.0.

1 International Unit corresponds approximately to 600 Levy Units or 75 Pollock Units.

¹Equivalent to 35,256 Levy Units/mg of powder

Thermal stability Test (7 days at 44°C)

Tests	Specifications (%)	Results (%)	Comment
Thermal stability Penicillinase	100 ±15	103	Passed

Appearance

Yellowish powder

Powder reconstitution

Dissolve the powder in distilled water

Sterilization

The product is not sterile. If necessary, sterilize by filtration. After dissolution, filter using sterile 0.20 µm filters with low protein binding under sterile conditions (p.e. SARTORIUS STEDIM Biotech MINISART 0.20 µm STERILE-E0, Cat n° 17597 or equivalent).

Storage

From -25°C to +8 °C.

Exp. Date: March 2026

Quality Assurance –

Rosaria Cassese

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