



## Certificate of Analysis

**Product name: LACTAMATOR™**

**Product code: # LCT-5 IR**

**Batch 019.5.00523.IR**

**Mfg date:** November 2023

Tests	Specifications	Results	Comment
Cephalosporinase Specific Activity (U/vial)	> 50	106	Passed
Penicillinase Specific Activity (U/vial)	> 500	1382	Passed

### Unit definition

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

One Penicillinase 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

### Storage and use conditions

The enzyme is supplied as lyophilized formulation and should be stored between -25 °C and +8 °C.

Dissolve the powder in distilled water. After dissolution insoluble particulates may be appear without affecting the performance of the product.

**The product is sterile by  $\beta$ -irradiation.**

**Appearance:** white powder.

The product does not contain animal derived components or additives.

**Exp. Date:** November 2027

Quality Assurance

Rosaria Cassese

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