



## Certificate of Analysis

**Product name: LACTAMATOR™**  
**Product code: # LCT-LQS10 (Sterile Liquid)**  
**Batch: 019.LQS.00123**

**Mfg Date:** February 2023

Tests	Specifications	Results	Comment
Cephalosporinase Activity (IU/ml)	> 10	<b>19</b>	Passed
Penicillinase Acitivity (IU/ml)	> 100	<b>254</b>	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.
- One Penicillinase International Unit corresponds approximately to 600 Levy Units or 75 Pollock Units.

Tests	Specifications	Results	Comment
Thermal stability Cephalosporinase ( <b>7 days at 42°C</b> )	> 80 %	<b>93</b>	Passed
Thermal stability Penicillinase ( <b>7 days at 42°C</b> )	> 80 %	<b>82</b>	Passed
Sterility <sup>1</sup>	conform	conform	Passed

### Appearance

Yellowish liquid clear solution. Small white particles maybe present in suspension.

### Storage

Store from +2°C to + 8°C  
The product does not contain animal derived components or additives.

**Exp. Date:** February 2027

Quality Assurance  
Rosaria Cassese

<sup>1</sup> Sterility test according to EU.Ph.