



## Certificate of Analysis

**Product name: LACTAMATOR™**

**Product code: # LCT-Bulk**

**Batch: 019.B.00223**

**Mfg Date: September 2023**

Tests	Specifications	Results	Comment
Cephalosporinase Specific Activity (IU/mg of powder)	> 40	75	Passed
Penicillinase Specific Activity (IU/mg of powder) <sup>1</sup>	> 400	781	Passed
Lipase activity (U Lipase/KU Cephalosporinase)	< 0.0040	0.0000	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

<sup>1</sup> One International Unit corresponds approximately to 600 Levy Units or 75 Pollock Units.

### Thermal stability Test (7 days at 44°C)

Tests	Specifications (%)	Results (%)	Comment
Thermal stability Cephalosporinase	100 ±15	94	Passed
Thermal stability Penicillinase	100 ±15	96	Passed

### Storage

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

**Appearance:** white powder.

The product does not contain animal derived components or additives

**Exp. Date: September 2026**

Quality Assurance

Rosaria Cassese

Page 1 of 1

CPC BIOTECH S.r.l.

Sede Legale e Amministrativa/Registered and account office:

Via L. Galvani, 1

20875 Burago di Molgora (MB) – Italia

Tel. +39 039 6898029

Fax. +39 039 6899774

Partita IVA 00751490962

Codice Fiscale 03447450150

R.E.A.1074257

Registro Imprese di Monza e Brianza

Cap. Soc. € 114.000,00 i.v.

www.cpcbitech.it