



**SISCO  
RESEARCH  
LABORATORIES  
PVT. LTD.**

[www.srlchem.com](http://www.srlchem.com)

## Certificate of Analysis

<b>Product</b>	<b>85187 - L-Lysine Monohydrate (base) extrapure for biochemistry, 99% - [39665-12-8]</b>
<b>Batch No</b>	<b>1001397</b>
<b>Analysis Date</b>	20-May-2019
<b>Date of Manufacture</b>	May 2019
<b>Expiry Date/Re-Test Date</b>	May 2024
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> .H <sub>2</sub> O
<b>Molecular Weight</b>	164.21

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to pale yellow	Pale yellow
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% solution 2N HCl	Clear	Clear
Solubility (Colour) 10% solution 2N HCl	Colourless to pale yellow	Pale yellow
Assay	min. 99%	99.5%
Melting Point	213 - 214°C ( anhydrous compound)	214°C
Specific rotation [α]	+25° to +26° [C=5 , 5N HCl]	+25°
Ammonium (NH <sub>4</sub> )	max. 0.01%	Passes
Water (KF)	10 - 12%	10.6%

FRM/82/11/4/85187 Rev No. 2 Date 23/02/2017

Prepared by **Kamlesh**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

[an ISO 9001-2015 Certified Company](#)

This COA has been generated electronically and it is valid without signature.