

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: L-Lysine Hydrochloride, cell culture reagent

Catalog Number: 194697

Lot: 5354A

Formula: $C_6H_{14}N_2O_2 \cdot HCl$

CAS #: 657-27-2

Physical Description: White Crystalline Powder

Formula Weight: 182.6

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 99\%$	99.72%
pH (10% aqueous solution):	5 - 6	5.5
Loss on Drying:	Not more than 1.0%	0.21%
Optical Rotation:	+20 to +23° (C=8, 2N Hcl)	+21.23
Heavy Metals:	Not more than 10 ppm	<10ppm

Approved - 08/21/98 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

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<http://www.mpbio.com>

Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)