



Specification

L-Lysine Monohydrochloride USP

Catalog Number:	LS1001
CAS Number:	657-27-2
Synonym(s):	(S)-2,6-Diaminohexanoic acid monohydrochloride
Molecular Formula:	$C_6H_{14}N_2O_2 \cdot HCl$
Molecular Weight:	182.65
Storage:	15°C – 30°C
Retest Period:	Two years from date of manufacture.

Test	Specification
Appearance	White crystalline powder
Assay (Titration) ¹	98.5 – 101.5%
Identification (IR) ¹	Positive
Specific Rotation (c=10, H ₂ O) ¹	+20.4° to +21.4°
Moisture (LOD) ¹	≤ 0.4%
Solubility	Freely soluble in water, slightly soluble in alcohol
pH	5.0 – 6.0
Residue on Ignition ¹	≤ 0.1%
Individual Impurity ¹	≤ 0.2%
Total Impurities ¹	≤ 1.0%
Ammonium	≤ 0.02%
Chloride ¹	19.0 – 19.6%
Sulfate ¹	≤ 0.02%
Heavy Metals ¹	≤ 10ppm
Arsenic ¹	≤ 0.5ppm
Cadmium ¹	≤ 0.5ppm
Iron ¹	≤ 10ppm
Lead ¹	≤ 1.0ppm
Mercury ¹	≤ 0.11ppm
Total Plate Count ¹	≤ 1,000cfu/g
Yeast & Mold ¹	≤ 100cfu/g
Coliforms	Negative
<i>E. coli</i> ¹	Negative
<i>Salmonella</i> ¹	Negative
<i>Staphylococcus Aureus</i> ¹	Negative
<i>Bacillus</i> ¹	Negative



Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146
www.gojirafc.com • sales@gojirafc.com

<i>Clostridium</i> ¹	Negative
This product meets the specifications for USP39.	

Approved:

Date: August 17, 2018

John Grubb, PhD
Gojira Fine Chemicals
Quality Manager
Tel: 440-252-5397, Fax: 888-211-5523
docsupport@gojirafc.com