



Certificate of Analysis

L-Lysine Monohydrochloride USP

Catalog Number: LS1001
Lot Number: 0410803
CAS Number: 657-27-2
Molecular Formula: $C_6H_{14}N_2O_2 \cdot HCl$
Molecular Weight: 182.65
Storage: 15°C – 30°C
Date of Manufacture: October 6, 2017
Retest Date: October 5, 2019

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Assay (Titration) ¹	98.5 – 101.5%	100.27%
Identification (IR) ¹	Positive	Positive
Specific Rotation (c=10, H ₂ O) ¹	+20.4° to +21.4°	+21.00°
Moisture (LOD) ¹	≤ 0.4%	0.22%
Solubility	Freely soluble in water, slightly soluble in alcohol	Conforms
pH	5.0 – 6.0	5.63
Residue on Ignition ¹	≤ 0.1%	0.09%
Individual Impurity ¹	≤ 0.2%	< 0.2%
Total Impurities ¹	≤ 1.0%	< 1.0%
Ammonium	≤ 0.02%	< 0.02
Chloride ¹	19.0 – 19.6%	19.46%
Sulfate ¹	≤ 0.02%	< 0.02%
Heavy Metals ¹	≤ 10ppm	< 10ppm
Arsenic ¹	≤ 0.5ppm	< 0.5ppm
Cadmium ¹	≤ 0.5ppm	< 0.1ppm
Iron ¹	≤ 10ppm	< 10ppm
Lead ¹	≤ 1.0ppm	< 1.0ppm
Mercury ¹	≤ 0.11ppm	< 0.1ppm
Total Plate Count ¹	≤ 1,000cfu/g	< 1,000cfu/g
Yeast & Mold ¹	≤ 100cfu/g	< 100cfu/g
Coliforms	Negative	Negative
<i>E. coli</i> ¹	Negative	Negative
<i>Salmonella</i> ¹	Negative	Negative
<i>Staphylococcus Aureus</i> ¹	Negative	Negative
<i>Bacillus</i> ¹	Negative	Negative
<i>Clostridium</i> ¹	Negative	Negative
This lot meets the specifications for USP39.		

Approved by:

Date: April 19, 2018

For research purposes only. Not for drug or clinical use in humans or human food additive use.



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

John Grubb

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojirafc.com