

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-14 11:03:28
 Date of Next Testing: 2026-08-13 11:03:28
 Product Name: **L-Lysine monohydrate**
 CAS Number: 39665-12-8
 Specifications & Purity: Animal Free,BioReagent,for cell culture,Moligand™
 Lot #: H2309073
 SKU #: **L478519**
 Version: **1**
 Analysis #: **252482**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
specific rotation [α] _{25/D} (C=2, 6 M HCL)	22-26 (°)	24.02600 °
Residue on Ignition	0-0.1 (%)	0.08600 %
Chloride (Cl-)	0-0.03 (%)	0.00760 %
Iron(Fe)	0-10 (ppm)	0.00000 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.00000 ppm
Sulfate(SO ₄ ²⁻)	0-0.03 (%)	0.00520 %
Ammonium (NH ₄)	0-0.02 (%)	0.00000 %
Arsenic(As)	0-1 (ppm)	0.00000 ppm
Endotoxin Assay	0-1 (EU/mg)	0.03330 EU/mg
Water by Karl Fischer	10.0-11.5 (%)	11.47000 %
Assay(dry basis)	98.5-101.5 (%)	98.54000 %
Appearance(L478519)	white or pall yellow crystalline powder	white or pall yellow crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms	Conforms
Cell Culture Test	pass	Pass



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager