

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-13 19:04:20
 Date of Next Testing: 2025-03-12 19:04:20
 Product Name: **L-Lysine monohydrate**
 CAS Number: 39665-12-8
 Specifications & Purity: Moligand™, ≥97%
 Lot #: C2308376
 SKU #: **S133419**
 Version: **1**
 Analysis #: **043094**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=2 in 6N HCl)	21.5-23.5 (°)	22.01000 °
Loss on drying	9-12 (%)	11.84000 %
Purity(titration by 0.1M HClO ₄)	96.5-103.5 (%)	96.52000 %
Appearance (S133419)	White to pale yellow to pale brown powder, crystals	White to pale yellow to pale brown powder, crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager