

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-14 13:59:46

Date of Next Testing: 2027-04-13 13:59:46

Product Name: **Lysine acetate**

CAS Number: 57282-49-2

Specifications &amp; Purity: 99%

Lot #: D2318167

SKU #: **L111313****Analysis: 211403**

Parameter	Limit Values	Result
Ammonia (NH <sub>4</sub> )	0-0.02 (%)	0.01%
PH	6.5-7.5	7.10
Chloride (Cl <sup>-</sup> )	0-0.02 (%)	0.01%
Heavy metal (as Pb)	0-10 (ppm)	4.50 ppm
Specific Rotation [α] <sub>20</sub> /D(c=1 in EtOH) EtAc)	8.5-10 (°)	9.00°
Loss on drying	0-0.2 (%)	0.10%
Iron(Fe)	0-10 (ppm)	5.60 ppm
Arsenic(As <sub>2</sub> O <sub>3</sub> )	0-1 (ppm)	0.70 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.02 (%)	0.01%
Transmission 430 nm	98-100 (%)	98.26%
Ignition Residue (as sulfate)	0-0.1 (%)	0.06%
Assay	99-100 (%)	99.74%
Other amino acids	Not detected	Not detected

John Su  
QA & QC Manager