

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-14 19:04:35
 Date of Next Testing: 2029-11-13 19:04:35
 Product Name: **L-Alanine**
 CAS Number: 56-41-7
 Specifications & Purity: Moligand™, ≥99%
 Lot #: K2507049
 SKU #: **A108263**
 Version: **0**
 Analysis #: **486826**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Lead(Pb)	0-10 (ppm)	0.00000 ppm
Mercury(Hg)	0-1 (ppm)	0.00000 ppm
Cadmium(Cd)	0-1 (ppm)	0.00000 ppm
Carbon by Elemental Analysis	40-41 (%)	40.21200 %
(As)Arsenic	0-3 (ppm)	0.00000 ppm
Specific Rotation [α] ₂₀ /D(c=10 in HCl)(after drying)	13.2-15 (°)	14.12300 °
Nitrogen by Elemental Analysis	15.2-16.2 (%)	15.67300 %
Purity(Nonaqueous Titration)after drying	99-101 (%)	99.46000 %
Solubility in H ₂ O	Almost transparency	almost transparency
Appearance (A108263)	white powder and/or chunks	white powder and/or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager