

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-18 13:22:17
 Date of Next Testing: 2027-02-17 13:22:17
 Product Name: **DL-Alanine**
 CAS Number: 302-72-7
 Specifications & Purity: $\geq 99\%$
 Lot #: B2311456
 SKU #: **A100051**
 Version: **1**
 Analysis #: **179410**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Transmission(c=10, H ₂ O, 430 nm, 1 cm cell)	95-100 (%)	98.63000 %
Purity(Nonaqueous Titration)	98.5-101.5 (%)	100.08000 %
Sulfate Ash	0-0.1 (%)	0.02800 %
Heavy metal (as Pb)	0-10 (ppm)	3.52000 ppm
Loss on drying(105°C, 3h)	0-0.2 (%)	0.13000 %
PH(2.5%, 25°C)	5.5-7	6.80000
Appearance (A100051)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager