

Certificate of Analysis

Date of Testing: 2025-05-20 17:45:46

Date of Next Testing: 2029-05-19 17:45:46

Product Name: **DL-Alanine**

CAS Number: 302-72-7

Specifications & Purity: $\geq 99\%$

Lot #: E2520712

SKU #: **A100051**

Version: **1**

Analysis #: **371932**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Transmission(c=10, H ₂ O, 430 nm,1 cm cell)	95-100 (%)	95.40 %
Purity(Nonaqueous Titration)	98.5-101.5 (%)	100.59 %
Sulfate Ash	0-0.1 (%)	0.00 %
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Loss on drying(105°C, 3h)	0-0.2 (%)	0.03 %
PH(2.5% ,25°C)	5.5-7	6.19
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (A100051)	White Powder or Crystals	White Powder or Crystals



John Su
QA & QC Manager