

Certificate of Analysis

Date of Testing: 2022-01-21 09:46:24

Date of Next Testing: 2026-01-20 09:46:24

Product Name: **DL-Alanine**

CAS Number: 302-72-7

Specifications & Purity: 99%

Lot #: A2219228

SKU #: **A100051**

Analysis: **062040**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Transmission(c=10, H ₂ O, 430 nm,1 cm cell)	95-100 (%)	98.00 %
Purity(NonaqueousTitration)	98.5-101.5 (%)	99.17 %
Sulfate Ash	0-0.1 (%)	0.05 %
Heavy metal (as Pb)	0-10 (ppm)	4.00 ppm
Loss on drying(105°C, 3h)	0-0.2 (%)	0.10 %
PH(2.5% ,25°C)	5.5-7	6.50
Appearance (A100051)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager