

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2025-08-02 09:34:37
Date of Next Testing:	2029-08-01 09:34:37
Product Name:	<b>L-Proline</b>
CAS Number:	147-85-3
Specifications & Purity:	≥99%
Lot #:	G2531418
SKU #	<b>P108709</b>
Version	<b>3</b>
Analysis #:	<b>541952</b>
Storage Temperature:	Protected from light, Room temperature

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=4 in H <sub>2</sub> O)	-86--84 (°)	-84.09°
Nitrogen by Elemental Analysis	11.9-12.5 (%)	12.15%
Ignition Residue	0-0.1 (%)	0.03%
Carbon by Elemental Analysis	51.1-53.2 (%)	51.88%
PH	5.9-6.9	6.32
Purity(Nonaqueous Titration)	98.5-101.5 (%)	98.91%
Purity(HPLC)(CAD)	99-100 (%)	99.67%
Loss on drying	0-0.3 (%)	0.30%
Appearance (P108709)	white crystals or crystalline powder or powder	white crystals or crystalline powder or powder
Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager