

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-11-14 17:28:40
Date of Next Testing:	2029-11-13 17:28:40
Product Name:	L-Proline
CAS Number:	147-85-3
Specifications & Purity:	≥99%
Lot #:	K2513529
SKU #	P108709
Version	3
Analysis #:	602660
Storage Temperature:	Protected from light, Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	11.9-12.5 (%)	11.98 %
Ignition Residue	0-0.1 (%)	0.02 %
Carbon by Elemental Analysis	51.1-53.2 (%)	51.56 %
pH	5.9-6.9	6.41
Purity(Nonaqueous Titration)	98.5-101.5 (%)	98.88 %
Loss on drying	0-0.5 (%)	0.00 %
Purity(HPLC)(CAD)	99-100 (%)	99.94 %
Specific Rotation [α] ₂₀ /D(c=4 in H ₂ O)	-86--84 (°)	-84.20°
Appearance (P108709)	white crystals or crystalline powder or powder	white crystals or crystalline powder or powder
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager