

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-11-12 15:48:09
Date of Next Testing:	2028-11-11 15:48:09
Product Name:	L-Proline
CAS Number:	147-85-3
Specifications & Purity:	≥99%
Lot #:	K2408316
SKU #	P108709
Version	2
Analysis #:	381708
Storage Temperature:	Protected from light, Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	11.9-12.5 (%)	12.00 %
Ignition Residue	0-0.1 (%)	0.02 %
Carbon by Elemental Analysis	51.1-53.2 (%)	51.30 %
PH	5.9-6.9	6.10
Purity(Nonaqueous Titration)	98.5-101.5 (%)	98.90 %
Loss on drying	0-0.3 (%)	0.10 %
Purity(HPLC)(CAD)	99-100 (%)	99.77 %
Specific Rotation [α] ₂₀ /D(c=4 in H ₂ O)	-86--84 (°)	-84.30°
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