

Certificate of Analysis

Date of Testing: 2024-01-27 12:43:40

Date of Next Testing: 2028-01-26 12:43:40

Product Name: **DL-Proline**

CAS Number: 609-36-9

Specifications & Purity: 99%

Lot #: A2423096

SKU #: **P105590**

Version: **1**

Analysis #: **120437**

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=4 in H ₂ O)	-1-1 (°)	0.04°
Purity (T)	98.5-101.5 (%)	99.75 %
Appearance (P105590)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow, Clear to pass Hazy, 20%		Pass



John Su
QA & QC Manager