

## Certificate of Analysis

Date of Testing: 2023-06-05 14:38:26

Date of Next Testing: 2027-06-04 14:38:26

Product Name: **DL-Proline**

CAS Number: 609-36-9

Specifications & Purity: 99%

Lot #: H1916158

SKU #: **P105590**

**Analysis: 234441**

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=4 in H <sub>2</sub> O)	-1-1 (°)	0.85 °
Purity (T)	98.5-101.5 (%)	98.55 %
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 <sub>2</sub> O , Colorless to Faint Yellow,Clear to pass Hazy,20%		Pass



John Su  
QA & QC Manager