

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-19 15:04:57  
Date of Next Testing: 2025-12-18 15:04:57  
Product Name: **L-Proline methyl ester hydrochloride**  
CAS Number: 2133-40-6  
Specifications & Purity: 98%  
Lot #: C2205363  
SKU #: **P109007**  
**Analysis: 306284**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [ $\alpha$ ] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-33--30 (°)	-31.60°
Purity(HPLC)	98-100 (%)	99.12500 %
Appearance (P109007)	White to Off-White or Grey Powder or Chunks	White to Off-White or Grey Powder or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR Spectrum 1H	conforms to structure	Conforms to Structure



John Su  
QA & QC Manager