

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-12 13:51:38

Date of Next Testing: 2029-02-11 13:51:38

Product Name: **L-Proline tert-butyl ester hydrochloride**

CAS Number: 5497-76-7

Specifications & Purity: ≥98%

Lot #: E2113407

SKU #: **P119333**

Version: **2**

Analysis #: **469480**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	97.5-102.5 (%)	100.36800 %
Purity(with Total Nitrogen)	98-100 (%)	98.00000 %
Melting point	110-114 (°C)	111.03800 °C
Specific Rotation [α] _{20/D} (c=1 in H ₂ O)	-33--27 (°)	-31.55800 °
Appearance (P119333)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager