

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-17 09:25:37
 Date of Next Testing: 2029-04-16 09:25:37
 Product Name: **L-Proline tert-butyl ester hydrochloride**
 CAS Number: 5497-76-7
 Specifications & Purity: $\geq 98\%$
 Lot #: I1317056
 SKU #: **P119333**
 Version: **2**
 Analysis #: **495830**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	97.5-102.5 (%)	98.81000 %
Purity(with Total Nitrogen)	98-100 (%)	98.64800 %
Melting point	110-114 (°C)	110.43800 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-33--27 (°)	-30.19800 °
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