

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-01 15:02:48
Date of Next Testing: 2027-10-31 15:02:48
Product Name: **L-Proline tert-butyl ester hydrochloride**
CAS Number: 5497-76-7
Specifications & Purity: 98%
Lot #: C1618185
SKU #: **P119333**
Analysis: **291056**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	97.5-102.5 (%)	98.97%
Purity(with Total Nitrogen)	98-100 (%)	98.05%
Melting point	110-114 (°C)	111.50000 °C
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)	-33--27 (°)	-30.21°
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