

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-20 13:37:08
 Date of Next Testing: 2026-09-19 13:37:08
 Product Name: **(S)-1,2-Propanediamine Dihydrochloride**
 CAS Number: 19777-66-3
 Specifications & Purity: $\geq 99\%$
 Lot #: L1405023
 SKU #: **P121635**
 Version: **0**
 Analysis #: **137233**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	98.5-101.5 (%)	98.63900 %
Specific Rotation [α] ₂₀ /D(c=20 in H ₂ O) -5--2 (°)		-3.20000 °
Appearance (P121635)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager