

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-20 09:14:18

Date of Next Testing: 2026-06-19 09:14:18

Product Name: **(S)-1,2-Propanediamine Dihydrochloride**

CAS Number: 19777-66-3

Specifications & Purity: $\geq 99\%$

Lot #: H1815115

SKU #: **P121635**

Version: **0**

Analysis #: **102645**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	98.5-101.5 (%)	99.43000 %
Specific Rotation $[\alpha]_{20/D}(c=20 \text{ in H}_2\text{O})$	-5--2 (°)	-3.40000 °
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