

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-12 14:26:27

Date of Next Testing: 2028-08-11 14:26:27

Product Name: **L-2,4-Diaminobutyric acid hydrochloride**

CAS Number: 1883-09-6

Specifications & Purity: $\geq 98\%$

Lot #: L1211018

SKU #: **D113499**

Version: **0**

Analysis #: **398070**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=3.6 \text{ in H}_2\text{O})}$	13-16 (°)	13.28000 °
Sulfate Ash	0-0.1 (%)	0.03400 %
Water by Karl Fischer	0-2.5 (%)	1.89000 %
Purity(Titration by AgNO ₃)	98-100 (%)	98.89000 %
Purity(HPLC)	98-100 (%)	98.48000 %
Appearance (D113499)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , very faint turbidity	pass	Pass



John Su
QA & QC Manager