

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-20 11:54:46
 Date of Next Testing: 2027-09-19 11:54:46
 Product Name: **L-2,4-Diaminobutyric acid hydrochloride**
 CAS Number: 1883-09-6
 Specifications & Purity: $\geq 98\%$
 Lot #: I2312153
 SKU #: **D113499**
 Version: **0**
 Analysis #: **261087**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Sulfate Ash	0-0.1 (%)	0.06000 %
Water by Karl Fischer	0-2.5 (%)	1.02000 %
Purity(Titration by AgNO ₃)	98-100 (%)	98.88000 %
Purity(HPLC)	98-100 (%)	99.68900 %
Specific Rotation $[\alpha]_{20/D(c=3.6 \text{ in H}_2\text{O})}$	13-16 (°)	13.01000 °
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