

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-23 11:35:35

Date of Next Testing: 2026-09-22 11:35:35

Product Name: **1,4-Diaminobutane dihydrochloride**

CAS Number: 333-93-7

Specifications & Purity: $\geq 99\%$

Lot #: I2220299

SKU # **D106194**

Version **0**

Analysis #: **117446**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	100.45000 %
Appearance (D106194)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless, Clear, 100 mg/mL, H ₂ O	pass	Pass



John Su
QA & QC Manager