

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-11 16:48:07

Date of Next Testing: 2027-01-10 16:48:07

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

CAS Number: 333-93-7

Specifications & Purity: $\geq 99\%$

Lot #: A2305277

SKU #: **D106194**

Version: **0**

Analysis #: **160899**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	101.44000 %
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