

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-22 16:24:45
 Date of Next Testing: 2026-06-21 16:24:45
 Product Name: **1,4-Diaminobutane dihydrochloride**
 CAS Number: 333-93-7
 Specifications & Purity: $\geq 99\%$
 Lot #: F2220359
 SKU #: **D106194**
 Version: **0**
 Analysis #: **093695**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	100.81000 %
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