

Certificate of Analysis

Date of Testing: 2024-10-29 11:58:53

Date of Next Testing: 2028-10-28 11:58:53

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

CAS Number: 333-93-7

Specifications & Purity: $\geq 99\%$

Lot #: J2424562

SKU #: **D106194**

Version: **0**

Analysis #: **421356**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98.5-101.5 (%)	101.46 %
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