

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-13 17:00:00  
Date of Next Testing: 2026-10-12 17:00:00  
Product Name: **N,N'-Bis(3-aminopropyl)-1,4-butanediamine Tetrahydrochloride**  
CAS Number: 306-67-2  
Specifications & Purity: >98.0%(T)  
Lot #: J2210632  
SKU #: **N159137**  
**Analysis: 134835**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	97.5-102.5 (%)	98.90 %
Appearance (N159137)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager