

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-02-28 23:32:56
Date of Next Testing: 2024-02-18 23:32:56
Product Name: **Bis(2-chloroethyl)amine hydrochloride**
CAS Number: 821-48-7
Specifications & Purity: $\geq 98\%$
Lot #: B2225644
SKU #: **B109734**
Version: **1**
Analysis #: **063757**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	97.5-102.5 (%)	101.99000 %
Melting point	210-215 (°C)	214.87000 °C
Appearance (B109734)	white to off-white to Light yellow to Light orange powder, crystals and/or chunks	white to off-white to Light yellow to Light orange powder, crystals and/or chunks
Solubility in H ₂ O	Almost transparency	almost transparency
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager