

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-14 16:26:56

Date of Next Testing: 2025-03-03 16:26:56

Product Name: **Bis(2-chloroethyl)amine hydrochloride**

CAS Number: 821-48-7

Specifications & Purity: $\geq 98\%$

Lot #: F2116087

SKU #: **B109734**

Version: **1**

Analysis #: **198976**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	210-215 (°C)	214.91000 °C
Purity (Argentmetric Titration)	97.5-102.5 (%)	98.96000 %
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