

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-23 10:09:00  
Date of Next Testing: 2026-02-22 10:09:00  
Product Name: **Mechlorethamine hydrochloride**  
CAS Number: 55-86-7  
Specifications & Purity: 98%  
Lot #: B2211350  
SKU #: **M113888**  
**Analysis:** **077314**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Melting point	108-111 (°C)	108.18000 °C
Purity(with Total Nitrogen)	97.5-102.5 (%)	98.27 %
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	102.09 %
Appearance (M113888)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager