

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-12 14:06:27  
Date of Next Testing: 2027-09-11 14:06:27  
Product Name: **N-Z-Ethylenediamine hydrochloride**  
CAS Number: 18807-71-1  
Specifications & Purity: 98%  
Lot #: K1929021  
SKU #: **Z104543**  
**Analysis:** **274963**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	169-172 (°C)	171.65000 °C
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	100.55 %
Appearance (Z104543)	white to off-white powder,crystals,flakes or chunk	white to off-white powder,crystals,flakes or chunk
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager