

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-13 18:29:56

Date of Next Testing: 2025-03-02 18:29:56

Product Name: **Triethylene diamine**

CAS Number: 280-57-9

Specifications &amp; Purity: 98%

Lot #: C23071101

SKU #: **T105635****Analysis: 162649**

Storage Temperature: Argon charged

| Parameter                        | Limit Values                                       | Result   |
|----------------------------------|--|--|
| Purity(GC)                       | 98-100 (%)   | 99.17 %  |
| Purity(Neutralization titration) | 98-102 (%)   | 99.50 %  |
| Melting point                    | 155-161 (°C)                                       | 159.35000 °C                                       |
| Appearance (T105635)             | white to pale yellow Powder, Crystals and/or Chunk | white to pale yellow Powder, Crystals and/or Chunk |
| Proton NMR spectrum              | Conforms to Structure                              | Conforms to Structure                              |

John Su  
QA & QC Manager