

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-12 09:39:34

Date of Next Testing: 2024-10-01 09:39:34

Product Name: **Triethylene diamine**

CAS Number: 280-57-9

Specifications &amp; Purity: 98%

Lot #: I2223369

SKU # **T105635****Analysis: 109723**

Storage Temperature: Argon charged

| Parameter                        | Limit Values                                       | Result   |
|----------------------------------|--|--|
| Purity(GC)                       | 98-100 (%)   | 99.61 %  |
| Purity(Neutralization titration) | 98-102 (%)   | 99.89 %  |
| Melting point                    | 155-161 (°C)                                       | 158.47000 °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