

## Certificate of Analysis

Date of Testing: 2024-10-10 11:53:29

Date of Next Testing: 2026-09-30 11:53:29

Product Name: **Triethylene diamine**

CAS Number: 280-57-9

Specifications & Purity: 98%

Lot #: J2408501

SKU #: **T105635**

Version: **0**

Analysis #: **411464**

Storage Temperature: Argon charged

| Parameter                        | Limit Values                                       | Result                                             |
|----------------------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(GC)                       | 98-100 (%)                                         | 99.88 %                                            |
| Purity(Neutralization titration) | 98-102 (%)                                         | 99.65 %                                            |
| Melting point                    | 155-161 (°C)                                       | 158.98000 °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