

## Certificate of Analysis

Date of Testing: 2024-07-03 11:11:31  
Date of Next Testing: 2026-06-23 11:11:31  
Product Name: **Triethylenetetramine**  
CAS Number: 112-24-3  
Specifications & Purity:  $\geq 97.0\%$  (T)  
Lot #: J2226644  
SKU #: **T418727**  
Version: **1**  
Analysis #: **379624**  
Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.18 %
Refractive index n <sub>20</sub> /D	1.495-1.497	1.50
Assay(Titration by HCL,1M)	97-103 (%)	99.28 %
Appearance(T418727)	Colorless to Almost Colorless Viscous Liquid	Colorless to Almost Colorless Viscous Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager