

## Certificate of Analysis

Date of Testing: 2023-06-17 16:41:14  
Date of Next Testing: 2025-06-06 16:41:14  
Product Name: **Triethylenetetramine**  
CAS Number: 112-24-3  
Specifications & Purity:  $\geq 70\%$   
Lot #: F2315830  
SKU #: **T278643**  
Version: **1**  
Analysis #: **235567**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific gravity (20/20°C)	0.978-0.982	0.98
Refractive index n <sub>20</sub> /D	1.495-1.501	1.50
Purity(GC)	70-100 (%)	71.87 %
Appearance(T278643)	Colorless to Faint Yellow Liquid	Colorless to Faint Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager