

## Certificate of Analysis

Date of Testing: 2023-03-13 09:42:37  
Date of Next Testing: 2025-03-02 09:42:37  
Product Name: **Triethylenetetramine**  
CAS Number: 112-24-3  
Specifications & Purity: 70%  
Lot #: F2108215  
SKU #: **T278643**  
**Analysis:** **197760**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	70-100%	70.01%
Specific gravity (20/20°C)	0.978-0.982	0.98
Refractive index n <sub>20</sub> /D	1.495-1.501	1.50
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