

## Certificate of Analysis

Date of Testing: 2022-11-23 16:29:02  
Date of Next Testing: 2024-11-12 16:29:02  
Product Name: **Triethylenetetramine**  
CAS Number: 112-24-3  
Specifications & Purity: reagent grade,68%  
Lot #: K2218104  
SKU #: **T103762**  
Analysis: **159423**

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.02 (%)	0.00 %
Refractive index n <sub>20</sub> /D	1.496-1.498	1.50
Purity(GC)	68-100 (%)	68.06 %
Density (20°C)	0.977-0.99	0.98
Appearance (T103762)	Colorless Liquid	Colorless liquid
Solubility in EtOH , clear,50mg/ml	pass	Pass



John Su  
QA & QC Manager