

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-17 15:37:58

Date of Next Testing: 2025-06-06 15:37:58

Product Name: **Triethylenetetramine**

CAS Number: 112-24-3

Specifications & Purity: $\geq 70\%$

Lot #: F2315828

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 ₂₀ /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