

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-10 13:55:50

Date of Next Testing: 2029-01-09 13:55:50

Product Name: **Triisopropanolamine (TIPA)**

CAS Number: 122-20-3

Specifications & Purity: $\geq 95\%$, mixture of isomer

Lot #: D2113237

SKU #: **T105008**

Version: **0**

Analysis #: **460936**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity((sum of isomers)(GC)	95-100 (%)	95.22800 %
Purity(Neutralization titration)	97.5-102.5 (%)	100.78000 %
Appearance (T105008)	White to Off-White Waxy Solid	White to Off-White Waxy Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager