

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-24 13:44:50
 Date of Next Testing: 2029-02-23 13:44:50
 Product Name: **Triisopropanolamine (TIPA)**
 CAS Number: 122-20-3
 Specifications & Purity: $\geq 95\%$, mixture of isomer
 Lot #: B2514233
 SKU #: **T105008**
 Version: **0**
 Analysis #: **452233**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	97.5-102.5 (%)	99.68000 %
Purity((sum of isomers)(GC)	95-100 (%)	99.70000 %
Appearance (T105008)	White to Off-White Waxy Solid	White to Off-White Waxy Solid
Solubility in H ₂ O	Almost transparency	almost transparency
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager