

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-21 16:42:09

Date of Next Testing: 2029-05-20 16:42:09

Product Name: **Triisopropanolamine**

CAS Number: 122-20-3

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

Lot #: E2516010

SKU #: **T105008**

Version: **0**

Analysis #: **452233**

Storage Temperature: Argon charged

| Parameter                        | Limit Values                  | Result                        |
|----------------------------------|-------------------------------|-------------------------------|
| Purity(Neutralization titration) | 97.5-102.5 (%)                | 99.68 %                       |
| Purity( (sum of isomers)(GC)     | 95-100 (%)                    | 99.70 %                       |
| Appearance (T105008)             | White to Off-White Waxy Solid | White to Off-White Waxy Solid |
| Solubility in H <sub>2</sub> O   | Almost transparency           | almost transparency           |
| Proton NMR spectrum              | Conforms to Structure         | Conforms to Structure         |
| Infrared spectrum                | Conforms to Structure         | Conforms to Structure         |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager