

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-07 19:38:30

Date of Next Testing: 2026-12-06 19:38:30

Product Name: **Tetraethylene glycol**

CAS Number: 112-60-7

Specifications & Purity: 99%

Lot #: L2206023

SKU #: **T111130**

**Analysis:** **157066**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Density (20°C)                      | 1.125-1.128           | 1.12                  |
| Purity(GC)                          | 99-100 (%)            | 99.22 %               |
| Refractive index n <sub>20</sub> /D | 1.458-1.461           | 1.46                  |
| Appearance (T111130)                | Colorless liquid      | Colorless liquid      |
| 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