

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |                        |
|--------------------------|------------------------|
| Date of Testing:         | 2024-11-14 18:40:35    |
| Date of Next Testing:    | 2028-11-13 18:40:35    |
| Product Name:            | <b>Ethylene glycol</b> |
| CAS Number:              | 107-21-1               |
| Specifications & Purity: | anhydrous, ≥99.8%      |
| Lot #:                   | K2408419               |
| SKU #                    | <b>E119700</b>         |
| Version                  | <b>0</b>               |
| Analysis #:              | <b>437464</b>          |

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Refractive index n <sub>20</sub> /D | 1.43-1.433            | 1.43                  |
| Density (20°C)                      | 1.113-1.117           | 1.11                  |
| Water by Karl Fischer               | 0-0.003 (%)           | 0.00 %                |
| Purity(GC)                          | 99.8-100 (%)          | 99.95 %               |
| Appearance (E119700)                | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |

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

John Su  
QA & QC Manager