

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-01-20 18:51:10

Date of Next Testing: 2029-01-19 18:51:10

Product Name: **Diethylene glycol (DEG)**

CAS Number: 111-46-6

Specifications & Purity:  $\geq 99\%$ (GC)

Lot #: A2507269

SKU #: **D110833**

Version: **1**

Analysis #: **454645**

Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values                                                                                         | Result                                                                                               |
|------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Water by Karl Fischer              | 0-0.2 (%)                                                                                            | 0.01530 %                                                                                            |
| Refractive index n <sub>20/D</sub> | 1.445-1.448                                                                                          | 1.44730                                                                                              |
| Acidity (CH <sub>3</sub> COOH)     | 0-0.01 (%)                                                                                           | 0.00000 %                                                                                            |
| Purity(GC)                         | 99-100 (%)                                                                                           | 99.72100 %                                                                                           |
| Appearance (D110833)               | Colorless to Almost colorless to Light Yellow<br>clear liquid or Viscous Liquid or clear oily liquid | Colorless to Almost colorless to Light Yellow<br>clear liquid or Viscous Liquid or clear oily liquid |
| Infrared spectrum                  | Conforms to Structure                                                                                | Conforms to Structure                                                                                |



John Su  
QA & QC Manager