

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-30 11:53:27

Date of Next Testing: 2029-07-29 11:53:27

Product Name: **Glycerol**

CAS Number: 56-81-5

Specifications & Purity: $\geq 99.5\%$ (GC)

Lot #: G2524140

SKU #: **G116205**Version: **6**Analysis #: **543802**

| Parameter | Limit Values | Result |
|---|----------------------------------|----------------------------------|
| Color scale | 0-5 | 0.00 |
| Water by Karl Fischer | 0-0.5 (%) | 0.07 % |
| Ash | 0-0.01 (%) | 0.00 % |
| Refractive index n ₂₀ /D | 1.47-1.475 | 1.47 |
| Specific gravity (25/25°C) | 1.2517-1.2717 | 1.26270 |
| Fatty acids & esters (ml 0.5N NaOH/50g) | 0-1 | 0.32000 |
| Purity(GC) | 99.5-100 (%) | 99.52 % |
| halogen compounds (as Cl) | 0-30 (ppm) | 28.00 ppm |
| Heavy metal (as Pb) | 0-1 (ppm) | 0.98 ppm |
| Sugars ₂ | Negative | Negative |
| Appearance(G116205) | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |

John Su
QA & QC Manager