

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-28 13:30:12

Date of Next Testing: 2028-08-27 13:30:12

Product Name: **Glycerol**

CAS Number: 56-81-5

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

Lot #: H2416151

SKU #: **G116205**Version: **5**Analysis #: **392559**

| Parameter | Limit Values | Result |
|---|--------------------------|--------------------------|
| Color scale | 0-5 | 0.00 |
| Water by Karl Fischer | 0-0.5 (%) | 0.14 % |
| Heavy metal (as Pb) | 0-1 (ppm) | 0.00 ppm |
| Ash | 0-0.01 (%) | 0.00 % |
| Refractive index n ₂₀ /D | 1.47-1.475 | 1.47 |
| Density (20°C) | 1.26-1.265 | 1.26 |
| halogen compounds (as Cl) | 0-5 (ppm) | 5.00 ppm |
| Purity(GC) | 99.5-100 (%) | 99.72 % |
| Fatty acids & esters (ml 0.5N NaOH/50g) | 0-1 | 0.81000 |
| Appearance(G116205) | Colorless Viscous Liquid | colorless viscous liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Sugars ₂ | Negative | Negative |

John Su
QA & QC Manager