

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-29 16:20:10

Date of Next Testing: 2027-01-28 16:20:10

Product Name: **Glycerol**

CAS Number: 56-81-5

Specifications &amp; Purity: ACS, ≥99.5%

Lot #: A2312127

SKU #: **G116206****Analysis: 167399**

Storage Temperature: Argon charged

| Parameter                            | Limit Values          | Result                |
|--------------------------------------|-----------------------|-----------------------|
| Ignition Residue (as sulfate)        | 0-0.005 (%)           | 0.00 %                |
| Heavy metal (as Pb)                  | 0-2 (ppm)             | 0.00 ppm              |
| Fatty acid esters(as butyric acid)   | 0-0.05 (%)            | 0.02 %                |
| Sulfate(SO42-)                       | 0-0.001 (%)           | 0.00 %                |
| Water by Karl Fischer                | 0-0.5 (%)             | 0.05 %                |
| Chloride (Cl-)                       | 0-0.003 (%)           | 0.00 %                |
| Purity(GC)                           | 99.5-100 (%)          | 99.59 %               |
| Appearance (G116206)                 | Colorless liquid      | Colorless liquid      |
| Acrolein and glucose                 | passes test           | Passes test           |
| Infrared spectrum                    | Conforms to Structure | Conforms to Structure |
| Neutrality                           | Passes test           | Passes test           |
| Substances darkened by sulfuric acid | Pass                  | Pass                  |

John Su  
QA & QC Manager