

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-04 18:49:08

Date of Next Testing: 2029-11-03 18:49:08

Product Name: **Glycerol**

CAS Number: 56-81-5

Specifications & Purity: AR, ≥99%

Lot #: J2531161

SKU #: **G116203**

Version: **3**

Analysis #: **587378**

Storage Temperature: Room temperature

| Parameter                                       | Limit Values          | Result                |
|-------------------------------------------------|-----------------------|-----------------------|
| Sulfate(SO42-)                                  | 0-0.0005 (%)          | 0.00000 %             |
| Chloride (Cl-)                                  | 0-0.0001 (%)          | 0.00000 %             |
| Ignition Residue (as sulfate)                   | 0-0.001 (%)           | 0.00000 %             |
| Color scale                                     | 0-10                  | 0.00000               |
| alkalinity(as OH-)                              | 0-0.0003 (mmol/g)     | 0.00000 mmol/g        |
| Acidity(as H+)                                  | 0-0.0005 (mmol/g)     | 0.00000 mmol/g        |
| Iron(Fe)                                        | 0-0.0001 (%)          | 0.00000 %             |
| Heavy metal (as Pb)                             | 0-0.0001 (%)          | 0.00010 %             |
| (As)Arsenic                                     | 0-0.00005 (%)         | 0.00005 %             |
| Ammonia (NH4)                                   | 0-0.0005 (%)          | 0.00050 %             |
| Aliphatic ester(Glycerine three butyl acrylate) | 0-0.05                | 0.05000               |
| Assay                                           | 99-100 (%)            | 99.28000 %            |
| Appearance (G116203Form)                        | Liquid                | Liquid                |
| Appearance (G116203Color)                       | Colorless viscous     | Colorless viscous     |
| Cane sugar and glucose                          | pass                  | Pass                  |
| Infrared spectrum                               | Conforms to Structure | Conforms to Structure |
| Substances darkened by sulfuric acid            | Pass                  | Pass                  |
| Substances reducing silver                      | pass                  | Pass                  |



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

John Su  
QA & QC Manager