

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-12 16:01:40
 Date of Next Testing: 2027-05-11 16:01:40
 Product Name: **Glycerol**
 CAS Number: 56-81-5
 Specifications & Purity: reagent grade,99%
 Lot #: D2326812
 SKU #: **G116203**
 Analysis: **222902**

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Heavy metal (as Pb) | 0-0.0001 (%) | 0.00 % |
| Ignition Residue (as sulfate) | 0-0.001 (%) | 0.00 % |
| (As)Arsenic | 0-0.00005 (%) | 0.00 % |
| Ammonia (NH ₄) | 0-0.0005 (%) | 0.00 % |
| Aliphatic ester(Glycerine three butyl acrylate) | 0-0.05 | 0.03 |
| Color scale | 0-10 | 5.60 |
| Assay | 99-100 (%) | 99.75 % |
| alkalinity(as OH ⁻) | 0-0.0003 (mmol/g) | 0.00 mmol/g |
| Acidity(as H ⁺) | 0-0.0005 (mmol/g) | 0.00 mmol/g |
| Sulfate(SO ₄ ²⁻) | 0-0.0005 (%) | 0.00 % |
| Chloride (Cl ⁻) | 0-0.0001 (%) | 0.00 % |
| 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