

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-29 09:10:11  
Date of Next Testing: 2028-10-28 09:10:11  
Product Name: **Glycerol**  
CAS Number: 56-81-5  
Specifications & Purity:  $\geq 99.5\%$ (GC)  
Lot #: J2416265  
SKU #: **G116205**  
Version: **6**  
Analysis #: **428108**

Parameter	Limit Values	Result
Color scale	0-5	0.00
Water by Karl Fischer	0-0.5 (%)	0.12 %
halogen compounds (as Cl)	0-5 (ppm)	0.00 ppm
Heavy metal (as Pb)	0-1 (ppm)	0.00 ppm
Ash	0-0.01 (%)	0.00 %
Refractive index n <sub>20</sub> /D	1.47-1.475	1.47
Purity(GC)	99.5-100 (%)	99.82 %
Fatty acids & esters (ml 0.5N NaOH/50g)	0-1	0.00000
Specific gravity (25/25°C)	1.2517-1.2717	1.26200
Sugars <sub>2</sub>	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