

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-15 17:34:21

Date of Next Testing: 2028-07-14 17:34:21

Product Name: **Glycerol**

CAS Number: 56-81-5

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

Lot #: G2411094

SKU #: **G116205**Version: **5**Analysis #: **358540**

Parameter	Limit Values	Result
Color scale	0-5	0.00
Water by Karl Fischer	0-0.5 (%)	0.08 %
Ash	0-0.01 (%)	0.00 %
Refractive index n <sub>20</sub> /D	1.47-1.475	1.47
Density (20°C)	1.26-1.265	1.26
Fatty acids & esters (ml 0.5N NaOH/50g)	0-1	0.38000
halogen compounds (as Cl)	0-5 (ppm)	0.00 ppm
Purity(GC)	99.5-100 (%)	99.82 %
Heavy metal (as Pb)	0-1 (ppm)	0.00 ppm
Appearance(G116205)	Colorless Viscous Liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Sugars <sub>2</sub>	Negative	Negative

John Su  
QA & QC Manager