

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-19 10:27:20

Date of Next Testing: 2028-01-18 10:27:20

Product Name: **Glycerol**

CAS Number: 56-81-5

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

Lot #: A2409312

SKU #: **G116205****Analysis: 309484**

Parameter	Limit Values	Result
Fatty acids & esters (ml 0.1N NaOH/25g)	0-0.2	0.03
Color scale	0-5	5.00
Water by Karl Fischer	0-0.5 (%)	0.05 %
halogen compounds (as Cl)	0-5 (ppm)	0.36 ppm
Heavy metal (as Pb)	0-1 (ppm)	0.05 ppm
Ash	0-0.01 (%)	0.00 %
Esters	≥ 8 (ml)	8.04 ml
Refractive index n ₂₀ /D	1.47-1.475	1.47
Density (20°C)	1.26-1.265	1.26
Purity(GC)	99.5-100 (%)	99.53 %
Sugars ₂	Negative	Negative
Appearance(G116205)	Colorless Viscous Liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager