

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-12 15:42:32
 Date of Next Testing: 2027-07-11 15:42:32
 Product Name: **Glycerol**
 CAS Number: 56-81-5
 Specifications & Purity: EP,BP,JP,USP grade
 Lot #: G2311734
 SKU #: **G116214**
 Analysis: **241554**

Parameter	Limit Values	Result
Purity C ₃ H ₈ O ₃ (anhydrous basis)	99-101 (%)	99.44 %
Refractive index n ₂₀ /D	1.47-1.475	1.47
Density (20°C)	1.26-1.264	1.26
Ignition Residue	0-0.01 (%)	0.00 %
Heavy metals	0-5 (ppm)	0.00 ppm
Chloride Content	0-0.001 (%)	0.00 %
Total impurities	0-1 (%)	0.00 %
Fatty Acid Esters(Volume of 0.5N NaOH)	0-1 (ml)	0.00 ml
Water by Karl Fischer	0-5 (%)	0.64 %
Chloride (Cl ⁻)	0-0.003 (%)	0.00 %
Sulfate(SO ₄ ²⁻)	0-0.002 (%)	0.00 %
Appearance (G116214)	colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager