

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-29 18:46:19
 Date of Next Testing: 2029-04-28 18:46:19
 Product Name: **Glycerol**
 CAS Number: 56-81-5
 Specifications & Purity: PharmPure™, USP, JP, BP, Ph.Eur.
 Lot #: D2529304
 SKU #: **G116214**
 Version: **2**
 Analysis #: **489007**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Ignition Residue	0-0.01 (%)	0.00400 %
Heavy metals	0-5 (ppm)	1.40000 ppm
Chloride Content	0-0.001 (%)	0.00010 %
Fatty Acid Esters(Volume of 0.5N NaOH)	0-1 (ml)	0.21000 ml
Sulfate(SO42-)	0-0.002 (%)	0.00010 %
Diethylene glycol	< 0.1 (%)	0.00100 %
Ethylene Glycol	< 0.1 (%)	0.00400 %
Purity C3H8O3 (anhydrous basis)	99-101 (%)	99.90000 %
Refractive index n20/D	1.47-1.475	1.47250
Density (20°C)	1.26-1.264	1.26000
Total impurities	0-1 (%)	0.75000 %
Water by Karl Fischer	0-5 (%)	0.06000 %
Appearance (G116214)	colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager