

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-18 15:43:57  
Date of Next Testing: 2029-11-17 15:43:57  
Product Name: **Glycerol**  
CAS Number: 56-81-5  
Specifications & Purity: PharmPure™, USP, JP, BP, Ph.Eur.  
Lot #: K2513164  
SKU #: **G116214**  
Version: **2**  
Analysis #: **602324**

Parameter	Limit Values	Result
Density (20°C)	1.26-1.264	1.26
Ignition Residue	0-0.01 (%)	0.00%
Heavy metals	0-5 (ppm)	2.50 ppm
Chloride Content	0-0.001 (%)	0.00%
Fatty Acid Esters(Volume of 0.5N NaOH)	0-1 (ml)	0.22 ml
Water by Karl Fischer	0-5 (%)	0.03%
Sulfate(SO42-)	0-0.002 (%)	0.00%
Diethylene glycol	< 0.1 (%)	0.02100%
Ethylene Glycol	< 0.1 (%)	0.04%
Purity C3H8O3 (anhydrous basis)	99-101 (%)	99.80%
Refractive index n20/D	1.47-1.475	1.47
Total impurities	0-1 (%)	0.80%
Appearance (G116214)	colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager