

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-07-21 11:47:59
Date of Next Testing:	2028-07-20 11:47:59
Product Name:	Glycerol
CAS Number:	56-81-5
Specifications & Purity:	UltraBio™, Suitable for molecular biology, anhydrous, ≥99.5%(GC)
Lot #:	G2512004
SKU #	G755728
Version	1
Analysis #:	546280
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.472-1.476	1.47
Residue on Ignition	0-0.1 (%)	0.00000 %
Silver(Ag)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-1 (ppm)	0.00 ppm
Barium(Ba)	0-1 (ppm)	0.00 ppm
Bismuth(Bi)	0-1 (ppm)	0.00 ppm
Calcium(Ca)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-1 (ppm)	0.00 ppm
Cobalt(Co)	0-1 (ppm)	0.00 ppm
Chromium(Cr)	0-1 (ppm)	0.00 ppm
Copper(Cu)	0-1 (ppm)	0.00 ppm
Iron(Fe)	0-1 (ppm)	0.00 ppm
Potassium(K)	0-20 (ppm)	0.00 ppm
Lithium(Li)	0-1 (ppm)	0.00 ppm
Magnesium(Mg)	0-1 (ppm)	0.00 ppm
Manganese(Mn)	0-1 (ppm)	0.00 ppm
Molybdenum(Mo)	0-1 (ppm)	0.00 ppm
Sodium(Na)	0-20 (ppm)	0.00 ppm
Nickel(Ni)	0-1 (ppm)	0.00 ppm
Lead(Pb)	0-1 (ppm)	0.00 ppm
Strontium(Sr)	0-1 (ppm)	0.00 ppm
Thallium(Tl)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-1 (ppm)	0.00 ppm
Arsenic(As)(MHS-AAS)	0-0.1 (ppm)	0.00000 ppm
Total sulfur as SO ₄ (ICP)	0-10 (ppm)	0.00 ppm

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Chloride (Cl ⁻)	0-1 (ppm)	0.00 ppm
Ammonia (NH ₄)	0-5 (ppm)	0.00 ppm
pH(5M in H ₂ O,25 °C)	5.5-8.4	6.50000
Purity(GC)	99.5-100 (%)	99.81 %
UV Absorbance 260nm(5M in H ₂ O)	0-0.05	0.06300
UV Absorbance 280nm(5M in H ₂ O)	0-0.07	0.05600
Water by Karl Fischer	0-0.2 (%)	0.10 %
Appearance(G755728)	Colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Dnases, Rnases, Proteases, Phosphatases	None Detected	none detected
Appearance of solution(5M in H ₂ O,25 °C),Clear Colorless	Pass	Pass
Filtered: No Residue on Filter Test	Pass	Pass

John Su
QA & QC Manager