

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-21 13:35:34
 Date of Next Testing: 2028-07-20 13:35:34
 Product Name: **Glycerol**
 CAS Number: 56-81-5
 Specifications & Purity: Anhydrous Grade, UltraBio™, Suitable for molecular biology, ≥99.5%(GC)
 Lot #: G2514023
 SKU #: **G755728**
 Version: **1**
 Analysis #: **546360**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.50000 %
Refractive index n20/D	1.472-1.476	1.47400
Water by Karl Fischer	0-0.2 (%)	0.01500 %
Residue on Ignition	0-0.1 (%)	0.03000 %
Silver(Ag)	0-5 (ppm)	0.00000 ppm
Aluminum(Al)	0-1 (ppm)	0.00000 ppm
Barium(Ba)	0-1 (ppm)	0.00000 ppm
Bismuth(Bi)	0-1 (ppm)	0.00000 ppm
Calcium(Ca)	0-5 (ppm)	0.00000 ppm
Cadmium(Cd)	0-1 (ppm)	0.00000 ppm
Cobalt(Co)	0-1 (ppm)	0.00000 ppm
Chromium(Cr)	0-1 (ppm)	0.00000 ppm
Copper(Cu)	0-1 (ppm)	0.00000 ppm
Iron(Fe)	0-1 (ppm)	0.00000 ppm
Potassium(K)	0-20 (ppm)	0.50000 ppm
Lithium(Li)	0-1 (ppm)	0.00000 ppm
Magnesium(Mg)	0-1 (ppm)	0.00000 ppm
Manganese(Mn)	0-1 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-1 (ppm)	0.00000 ppm
Sodium(Na)	0-20 (ppm)	0.46000 ppm
Nickel(Ni)	0-1 (ppm)	0.00000 ppm
Lead(Pb)	0-1 (ppm)	0.00000 ppm
Strontium(Sr)	0-1 (ppm)	0.00000 ppm
Thallium(Tl)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-1 (ppm)	0.00000 ppm

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
Arsenic(As)(MHS-AAS)	0-0.1 (ppm)	0.00000 ppm
Total sulfur as SO ₄ (ICP)	0-10 (ppm)	0.00000 ppm
Chloride (Cl ⁻)	0-1 (ppm)	0.00000 ppm
Ammonia (NH ₄)	0-5 (ppm)	0.00050 ppm
pH(5M in H ₂ O,25 °C)	5.5-8.4	6.50000
UV Absorbance 260nm(5M in H ₂ O)	0-0.07	0.05000
UV Absorbance 280nm(5M in H ₂ O)	0-0.07	0.06100
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