

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-12-02 14:49:45
Date of Next Testing:	2026-12-01 14:49:45
Product Name:	1-Thioglycerol
CAS Number:	96-27-5
Specifications & Purity:	Matrix for FAB-MS and liquid SIMS, ≥98.5%(GC)
Lot #:	K2228722
SKU #	T109441
Version	0
Analysis #:	144262
Storage Temperature:	Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.246-1.251	1.25
Refractive index n ₂₀ /D	1.525-1.53	1.52
Potassium(K)	0-20 (ppm)	1.36 ppm
Cadmium(Cd)	0-1 (ppm)	0.34 ppm
Calcium(Ca)	0-10 (ppm)	1.62 ppm
Manganese(Mn)	0-1 (ppm)	0.20 ppm
Zinc(Zn)	0-1 (ppm)	0.32 ppm
Nickel(Ni)	0-1 (ppm)	0.63 ppm
Chromium(Cr)	0-1 (ppm)	0.03 ppm
Cobalt(Co)	0-1 (ppm)	0.02 ppm
(Pb)Lead	0-1 (ppm)	0.00 ppm
Sodium(Na)	0-20 (ppm)	2.36 ppm
Iron(Fe)	0-1 (ppm)	0.63 ppm
Purity(GC)	98.5-100 (%)	99.61 %
Appearance (T109441)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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

John Su
QA & QC Manager