

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2022-12-02 14:54:11
Date of Next Testing:	2026-12-01 14:54:11
Product Name:	<b>1-Thioglycerol</b>
CAS Number:	96-27-5
Specifications & Purity:	Matrix for FAB-MS and liquid SIMS, ≥98.5%(GC)
Lot #:	K2228729
SKU #	<b>T109441</b>
Version	<b>0</b>
<b>Analysis #:</b>	<b>144262</b>
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 <sub>20</sub> /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". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager