

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-24 15:31:17
 Date of Next Testing: 2029-03-23 15:31:17
 Product Name: **2-Mercaptoethanol**
 CAS Number: 60-24-2
 Specifications & Purity: UltraBio™, Suitable for molecular biology, ≥99%(GC)
 Lot #: C2617065
 SKU #: **M755744**
 Version: **3**
 Analysis #: **476424**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.66400 %
Density(D20/4°C)	1.114-1.116	1.11500
Refractive index n20/D	1.500-1.502	1.50150
Residue on Ignition	0-0.01 (%)	0.00200 %
Trace Metal Analysis	0-10000 (ppm)	3360.00000 ppm
Aluminium(Al)	0-0.5 (ppm)	0.00000 ppm
Barium(Ba)	0-0.1 (ppm)	0.00000 ppm
Bismuth(Bi)	0-0.1 (ppm)	0.00000 ppm
Calcium(Ca)	0-0.5 (ppm)	0.00000 ppm
Cadmium(Cd)	0-0.05 (ppm)	0.00000 ppm
Cobalt(Co)	0-0.02 (ppm)	0.00000 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00000 ppm
Copper(Cu)	0-0.02 (ppm)	0.00000 ppm
Iron(Fe)	0-0.1 (ppm)	0.00000 ppm
Potassium(K)	0-0.1 (ppm)	0.00000 ppm
Manganese(Mn)	0-0.02 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-0.1 (ppm)	0.00000 ppm
Sodium(Na)	0-1 (ppm)	0.00000 ppm
Nickel(Ni)	0-0.05 (ppm)	0.00000 ppm
Lead(Pb)	0-0.1 (ppm)	0.00000 ppm
Strontium(Sr)	0-0.1 (ppm)	0.00000 ppm
Zinc(Zn)	0-0.1 (ppm)	0.00000 ppm
UV-ABS.at 260 nm	0.5-1.5	1.00000
UV-ABS.at 280 nm	0-0.3	0.20000
Appearance(M755744)	Colorless Liquid	Colorless liquid

Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

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Parameter

NMR Spectrum 1H

solubility (Method , 1.1720 g in 30mL H₂O (0.5M))

Residue(filter test)

EXTRANEIOUS ACTIVITIES (DNAses, RNAses, Proteases,

Phosphatases)

λ,0.5 M in H₂O**Limit Values**

Conforms to StructureConforms to Structure

pass

Pass

no residue

no residue

Not Detectable

not detectable

Pass

Pass

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager