

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-30 10:27:57

Date of Next Testing: 2029-07-29 10:27:57

Product Name: **2-Mercaptoethanol**

CAS Number: 60-24-2

Specifications & Purity: for cell culture, suitable for electrophoresis, Suitable for molecular biology,  $\geq 99\%$

Lot #: G2525468

SKU #: **M301574**

Version: **0**

**Analysis #:** **549316**

Storage Temperature: Room temperature, Argon charged

| Parameter                                               | Limit Values          | Result                |
|---------------------------------------------------------|-----------------------|-----------------------|
| Zinc(Zn)                                                | 0-1 (ppm)             | 0.00000 ppm           |
| Copper(Cu)                                              | 0-1 (ppm)             | 0.00000 ppm           |
| Purity(GC)                                              | 99-100 (%)            | 99.86000 %            |
| Iron(Fe)                                                | 0-1 (ppm)             | 0.00000 ppm           |
| Lead(Pb)                                                | 0-5 (ppm)             | 4.00000 ppm           |
| Appearance (M301574)                                    | Colorless liquid      | Colorless liquid      |
| Cell Culture Test                                       | pass                  | Pass                  |
| DNAse, Exonuclease Detection                            | None Detected         | none detected         |
| Electrophoresis test                                    | pass                  | Pass                  |
| proteases                                               | none detected         | none detected         |
| Proton NMR spectrum                                     | Conforms to Structure | Conforms to Structure |
| RNAse Detection                                         | None Detected         | none detected         |
| Solubility, Colorless Clear , 1 mg/ml, H <sub>2</sub> O | pass                  | Pass                  |



QualityAssurance@aladdinsci.com

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

John Su  
QA & QC Manager