

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-05 10:12:52

Date of Next Testing: 2026-09-01 10:12:52

Product Name: **Formaldehyde solution**

CAS Number: 50-00-0

Specifications & Purity: Suitable for molecular biology,  $\geq 36.0\%$  in H<sub>2</sub>O(T), contains 10~15% Methanol as stabilizer

Lot #: K2511003

SKU #: **F111941**

Version: **0**

**Analysis #:** **658940**

Storage Temperature: Protected from light, Room temperature

| Parameter                                       | Limit Values          | Result                |
|-------------------------------------------------|-----------------------|-----------------------|
| Cadmium(Cd)                                     | 0-1 (ppm)             | 0.11000 ppm           |
| Iron(Fe)                                        | 0-1 (ppm)             | 0.00100 ppm           |
| Concentration in H <sub>2</sub> O               | 36-38 (%)             | 36.00000 %            |
| UV Absorbance 280nm                             | 0-0.01                | 0.00120               |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )         | 0-20 (ppm)            | 0.34000 ppm           |
| Calcium(Ca)                                     | 0-5 (ppm)             | 0.00010 ppm           |
| Nickel(Ni)                                      | 0-1 (ppm)             | 0.00010 ppm           |
| Sodium(Na)                                      | 0-100 (ppm)           | 0.89000 ppm           |
| Lead(Pb)                                        | 0-1 (ppm)             | 0.01000 ppm           |
| UV Absorbance 260nm                             | 0-0.01                | 0.00230               |
| Zinc(Zn)                                        | 0-1 (ppm)             | 0.00100 ppm           |
| Magnesium(Mg)                                   | 0-1 (ppm)             | 0.00010 ppm           |
| Cobalt(Co)                                      | 0-1 (ppm)             | 0.00100 ppm           |
| Chromium(Cr)                                    | 0-1 (ppm)             | 0.00010 ppm           |
| Potassium(K)                                    | 0-20 (ppm)            | 0.10000 ppm           |
| Ignition Residue (as sulfate)                   | 0-0.05 (%)            | 0.00001 %             |
| Manganese(Mn)                                   | 0-1 (ppm)             | 0.00100 ppm           |
| free acid (as CH <sub>3</sub> COOH)             | 0-0.03 (%)            | 0.00010 %             |
| Copper(Cu)                                      | 0-1 (ppm)             | 0.01130 ppm           |
| Chloride(Cl <sup>-</sup> )                      | 0-10 (ppm)            | 0.01100 ppm           |
| Infrared spectrum                               | Conforms to Structure | Conforms to Structure |
| Stabilizer (10-15% methanol)                    | Conforms              | Conforms              |
| Test for electrophoresis of RNA in agarose gels | Pass                  | Pass                  |
| $\lambda$ , 2 M in H <sub>2</sub> O             | Pass                  | Pass                  |



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

**Parameter**

Solvent(H<sub>2</sub>O & Methanol)

**Limit Values**

Conform

**Result**

Conform

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager