

ALADDIN SCIENTIFIC CORPORATION  
 14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-01-03 18:57:30  
 Date of Next Testing: 2025-07-02 18:57:30  
 Product Name: **Formaldehyde solution**  
 CAS Number: 50-00-0  
 Specifications & Purity: Suitable for molecular biology, ≥36.0% in H<sub>2</sub>O(T), contains 10~15% Methanol as stabilizer  
 Lot #: L2427297  
 SKU #: **F111941**  
 Version: **0**  
 Analysis #: **450088**  
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.24 ppm
Iron(Fe)	0-1 (ppm)	0.03 ppm
Concentration in H <sub>2</sub> O	36-38 (%)	37.77 %
UV Absorbance 280nm	0-0.01	0.00
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-20 (ppm)	0.52 ppm
Calcium(Ca)	0-5 (ppm)	0.11 ppm
Nickel(Ni)	0-1 (ppm)	0.03 ppm
Sodium(Na)	0-100 (ppm)	0.42 ppm
Lead(Pb)	0-1 (ppm)	0.03 ppm
UV Absorbance 260nm	0-0.01	0.01
Zinc(Zn)	0-1 (ppm)	0.01 ppm
Magnesium(Mg)	0-1 (ppm)	0.02 ppm
Cobalt(Co)	0-1 (ppm)	0.02 ppm
Chromium(Cr)	0-1 (ppm)	0.00 ppm
Potassium(K)	0-20 (ppm)	0.13 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.00 %
Manganese(Mn)	0-1 (ppm)	0.00 ppm
free acid (as CH <sub>3</sub> COOH)	0-0.03 (%)	0.00 %
Copper(Cu)	0-1 (ppm)	0.02 ppm
Chloride (Cl <sup>-</sup> )	0-10 (ppm)	0.12 ppm
λ, 2 M in H <sub>2</sub> O	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Stabilizer (10-15% methanol)	Conforms	Conforms
Test for electrophoresis of RNA in agarose gels	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".

John Su  
QA & QC Manager