

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

## Certificate of Analysis

Date of Testing: 2025-04-14 14:46:16

Date of Next Testing: 2025-10-11 14:46:16

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 #: J2409792

SKU #: **F111941**

Version: **0**

**Analysis #:** **493772**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.20000 ppm
Iron(Fe)	0-1 (ppm)	0.01000 ppm
Concentration in H <sub>2</sub> O	36-38 (%)	36.00000 %
UV Absorbance 280nm	0-0.01	0.00300
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-20 (ppm)	0.50000 ppm
Calcium(Ca)	0-5 (ppm)	0.00100 ppm
Nickel(Ni)	0-1 (ppm)	0.00100 ppm
Sodium(Na)	0-100 (ppm)	1.00000 ppm
Lead(Pb)	0-1 (ppm)	0.01500 ppm
UV Absorbance 260nm	0-0.01	0.00360
Zinc(Zn)	0-1 (ppm)	0.00200 ppm
Magnesium(Mg)	0-1 (ppm)	0.00100 ppm
Cobalt(Co)	0-1 (ppm)	0.00200 ppm
Chromium(Cr)	0-1 (ppm)	0.00100 ppm
Potassium(K)	0-20 (ppm)	0.13000 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.00010 %
Manganese(Mn)	0-1 (ppm)	0.00120 ppm
free acid (as CH <sub>3</sub> COOH)	0-0.03 (%)	0.00100 %
Copper(Cu)	0-1 (ppm)	0.02000 ppm
Chloride (Cl <sup>-</sup> )	0-10 (ppm)	0.02000 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
λ,2 M in H <sub>2</sub> O	Pass	Pass

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**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