

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

Certificate of Analysis

Date of Testing: 2026-01-28 15:36:19

Date of Next Testing: 2026-07-27 15:36:19

Product Name: **Formaldehyde solution**

CAS Number: 50-00-0

Specifications & Purity: Suitable for molecular biology, ≥36.0% in H₂O(T), contains 10~15% Methanol as stabilizer

Lot #: L2426379

SKU #: **F111941**

Version: **0**

Analysis #: **644204**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.22800 ppm
Iron(Fe)	0-1 (ppm)	0.02380 ppm
Concentration in H ₂ O	36-38 (%)	37.67000 %
UV Absorbance 280nm	0-0.01	0.00220
Sulfate(SO ₄ ²⁻)	0-20 (ppm)	0.50800 ppm
Calcium(Ca)	0-5 (ppm)	0.08600 ppm
Nickel(Ni)	0-1 (ppm)	0.02980 ppm
Sodium(Na)	0-100 (ppm)	0.40800 ppm
Lead(Pb)	0-1 (ppm)	0.01980 ppm
UV Absorbance 260nm	0-0.01	0.00248
Zinc(Zn)	0-1 (ppm)	0.01000 ppm
Magnesium(Mg)	0-1 (ppm)	0.01180 ppm
Cobalt(Co)	0-1 (ppm)	0.01980 ppm
Chromium(Cr)	0-1 (ppm)	0.00010 ppm
Potassium(K)	0-20 (ppm)	0.11800 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.00001 %
Manganese(Mn)	0-1 (ppm)	0.00118 ppm
free acid (as CH ₃ COOH)	0-0.03 (%)	0.00100 %
Copper(Cu)	0-1 (ppm)	0.01480 ppm
Chloride (Cl ⁻)	0-10 (ppm)	0.11300 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 ₂ O	Pass	Pass

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Parameter

Solvent(H₂O & Methanol)

Limit Values

Conform

Result

Conform

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

John Su
QA & QC Manager