

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-11 11:31:15

Date of Next Testing: 2026-05-10 11:31:15

Product Name: **Formaldehyde solution**

CAS Number: 50-00-0

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

Lot #: H2518070

SKU #: **F111941**

Version: **0**

Analysis #: **600006**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.20800 ppm
Iron(Fe)	0-1 (ppm)	0.02980 ppm
Concentration in H ₂ O	36-38 (%)	37.89800 %
UV Absorbance 280nm	0-0.01	0.00100
Sulfate(SO ₄ ²⁻)	0-20 (ppm)	0.49800 ppm
Calcium(Ca)	0-5 (ppm)	0.02000 ppm
Nickel(Ni)	0-1 (ppm)	0.01498 ppm
Sodium(Na)	0-100 (ppm)	0.71800 ppm
Lead(Pb)	0-1 (ppm)	0.02000 ppm
UV Absorbance 260nm	0-0.01	0.00580
Zinc(Zn)	0-1 (ppm)	0.00348 ppm
Magnesium(Mg)	0-1 (ppm)	0.01980 ppm
Cobalt(Co)	0-1 (ppm)	0.20800 ppm
Chromium(Cr)	0-1 (ppm)	0.02398 ppm
Potassium(K)	0-20 (ppm)	2.22800 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.01000 %
Manganese(Mn)	0-1 (ppm)	0.01800 ppm
free acid (as CH ₃ COOH)	0-0.03 (%)	0.00100 %
Copper(Cu)	0-1 (ppm)	0.31980 ppm
Chloride(Cl ⁻)	0-10 (ppm)	1.04980 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". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager