

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-03 18:56:53

Date of Next Testing: 2025-07-02 18:56:53

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 #: L2427298

SKU #: **F111941**

Version: **0**

Analysis #: **450088**

Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.23600 ppm
Iron(Fe)	0-1 (ppm)	0.02500 ppm
Concentration in H ₂ O	36-38 (%)	37.77000 %
UV Absorbance 280nm	0-0.01	0.00300
Sulfate(SO ₄ ²⁻)	0-20 (ppm)	0.51500 ppm
Calcium(Ca)	0-5 (ppm)	0.10600 ppm
Nickel(Ni)	0-1 (ppm)	0.03200 ppm
Sodium(Na)	0-100 (ppm)	0.41800 ppm
Lead(Pb)	0-1 (ppm)	0.03000 ppm
UV Absorbance 260nm	0-0.01	0.00500
Zinc(Zn)	0-1 (ppm)	0.01200 ppm
Magnesium(Mg)	0-1 (ppm)	0.02000 ppm
Cobalt(Co)	0-1 (ppm)	0.02150 ppm
Chromium(Cr)	0-1 (ppm)	0.00100 ppm
Potassium(K)	0-20 (ppm)	0.12800 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.00010 %
Manganese(Mn)	0-1 (ppm)	0.00200 ppm
free acid (as CH ₃ COOH)	0-0.03 (%)	0.00105 %
Copper(Cu)	0-1 (ppm)	0.01582 ppm
Chloride(Cl ⁻)	0-10 (ppm)	0.11580 ppm
λ , 2 M in H ₂ 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



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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