

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

Certificate of Analysis

Date of Testing: 2025-07-18 10:33:50
 Date of Next Testing: 2026-01-14 10:33:50
 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 #: D2510384
 SKU #: **F111941**
 Version: **0**
 Analysis #: **542878**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.21000 ppm
Iron(Fe)	0-1 (ppm)	0.03000 ppm
Concentration in H ₂ O	36-38 (%)	37.90000 %
UV Absorbance 280nm	0-0.01	0.00100
Sulfate(SO ₄ ²⁻)	0-20 (ppm)	0.50000 ppm
Calcium(Ca)	0-5 (ppm)	0.02000 ppm
Nickel(Ni)	0-1 (ppm)	0.01500 ppm
Sodium(Na)	0-100 (ppm)	0.72000 ppm
Lead(Pb)	0-1 (ppm)	0.02000 ppm
UV Absorbance 260nm	0-0.01	0.00590
Zinc(Zn)	0-1 (ppm)	0.00350 ppm
Magnesium(Mg)	0-1 (ppm)	0.02000 ppm
Cobalt(Co)	0-1 (ppm)	0.21000 ppm
Chromium(Cr)	0-1 (ppm)	0.02400 ppm
Potassium(K)	0-20 (ppm)	2.23000 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.01000 %
Manganese(Mn)	0-1 (ppm)	0.02000 ppm
free acid (as CH ₃ COOH)	0-0.03 (%)	0.00100 %
Copper(Cu)	0-1 (ppm)	0.32000 ppm
Chloride (Cl ⁻)	0-10 (ppm)	1.05000 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

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter

Solvent(H₂O & Methanol)

Limit Values

Conform

Result

Conform

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

John Su
QA & QC Manager