

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-07-15 16:04:53
Date of Next Testing:	2025-01-11 16:04:53
Product Name:	Formaldehyde solution
CAS Number:	50-00-0(aqueous solution)
Specifications & Purity:	for molecular biology, ≥36.0% in H ₂ O(T), contains 10~15% Methanol as stabilizer
Lot #:	D2418511
SKU #	F111941
Version	0
Analysis #:	387969
Storage Temperature:	Protected from light, Room temperature

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.36 ppm
Iron(Fe)	0-1 (ppm)	0.03 ppm
Concentration in H ₂ O	36-38 (%)	37.92 %
UV Absorbance 280nm	0-0.01	0.00
Sulfate(SO ₄ ²⁻)	0-20 (ppm)	1.04 ppm
Calcium(Ca)	0-5 (ppm)	0.42 ppm
Nickel(Ni)	0-1 (ppm)	0.26 ppm
Sodium(Na)	0-100 (ppm)	1.08 ppm
Lead(Pb)	0-1 (ppm)	0.05 ppm
UV Absorbance 260nm	0-0.01	0.00
Zinc(Zn)	0-1 (ppm)	0.05 ppm
Magnesium(Mg)	0-1 (ppm)	0.03 ppm
Cobalt(Co)	0-1 (ppm)	0.03 ppm
Chromium(Cr)	0-1 (ppm)	0.12 ppm
Potassium(K)	0-20 (ppm)	0.83 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.01 %
Manganese(Mn)	0-1 (ppm)	0.26 ppm
free acid (as CH ₃ COOH)	0-0.03 (%)	0.01 %
Copper(Cu)	0-1 (ppm)	0.02 ppm
Chloride (Cl ⁻)	0-10 (ppm)	0.35 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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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager