

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-28 15:25:58
 Date of Next Testing: 2023-08-27 15:25:58
 Product Name: **Formaldehyde solution**
 CAS Number: 50-00-0(Methanol solution)
 Specifications & Purity: for molecular biology, ≥36.0% in H₂O(T), contains 10~15% Methanol as stabilizer
 Lot #: B2318053
 SKU #: **F111941**
 Analysis: **182547**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.50 ppm
Iron(Fe)	0-1 (ppm)	0.11 ppm
Concentration in H ₂ O	36-38 (%)	36.27 %
UV Absorbance 280nm	0-0.01	0.00
Sulfate(SO ₄ ²⁻)	0-20 (ppm)	0.26 ppm
Calcium(Ca)	0-5 (ppm)	1.31 ppm
Nickel(Ni)	0-1 (ppm)	0.01 ppm
Sodium(Na)	0-100 (ppm)	2.15 ppm
Lead(Pb)	0-1 (ppm)	0.34 ppm
UV Absorbance 260nm	0-0.01	0.00
Zinc(Zn)	0-1 (ppm)	0.00 ppm
Magnesium(Mg)	0-1 (ppm)	0.00 ppm
Cobalt(Co)	0-1 (ppm)	0.00 ppm
Chromium(Cr)	0-1 (ppm)	0.00 ppm
Potassium(K)	0-20 (ppm)	0.01 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.02 %
Manganese(Mn)	0-1 (ppm)	0.03 ppm
free acid (as CH ₃ COOH)	0-0.03 (%)	0.02 %
Copper(Cu)	0-1 (ppm)	0.01 ppm
Chloride (Cl ⁻)	0-10 (ppm)	0.61 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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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager