

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-13 11:29:10
 Date of Next Testing: 2023-01-09 11:29:10
 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 #: F2225338
 SKU #: **F111941**
 Analysis: **096153**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Cadmium(Cd)	0-1 (ppm)	0.50 ppm
Iron(Fe)	0-1 (ppm)	0.44 ppm
Concentration in H ₂ O	36-38 (%)	37.39 %
Sulfate(SO ₄ ²⁻)	0-20 (ppm)	12.10 ppm
Calcium(Ca)	0-5 (ppm)	3.20 ppm
Nickel(Ni)	0-1 (ppm)	0.52 ppm
Sodium(Na)	0-100 (ppm)	50.00 ppm
Lead(Pb)	0-1 (ppm)	0.57 ppm
Zinc(Zn)	0-1 (ppm)	0.47 ppm
Magnesium(Mg)	0-1 (ppm)	0.53 ppm
Cobalt(Co)	0-1 (ppm)	0.60 ppm
Chromium(Cr)	0-1 (ppm)	0.42 ppm
Potassium(K)	0-20 (ppm)	12.70 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.03 %
Manganese(Mn)	0-1 (ppm)	0.50 ppm
free acid (as CH ₃ COOH)	0-0.03 (%)	0.01 %
Copper(Cu)	0-1 (ppm)	0.54 ppm
Chloride (Cl ⁻)	0-10 (ppm)	6.00 ppm
UV Absorbance 280nm	0-0.01	0.01
UV Absorbance 260nm	0-0.01	0.01
Infrared spectrum	Conforms to Structure	Conforms to Structure
λ, 2 M in H ₂ O	Pass	Pass
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". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager