

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-16 09:55:20

Date of Next Testing: 2027-12-16 09:55:20

Product Name: **Ammonium formate solution**

CAS Number: 540-69-2

Specifications & Purity: UltraBio™, Ultra pure, 10 M in H2O

Lot #: L2405618

SKU #: **A432862**

Version: **1**

Analysis #: **449590**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Concentration	9.8-10.2 (mol/L)	9.98000 mol/L
Aluminum(Al)	0-1 (ppm)	0.00000 ppm
Barium(Ba)	0-1 (ppm)	0.00000 ppm
Bismuth(Bi)	0-1 (ppm)	0.00000 ppm
Calcium(Ca)	0-5 (ppm)	0.00000 ppm
Cadmium(Cd)	0-1 (ppm)	0.00000 ppm
Cobalt(Co)	0-1 (ppm)	0.00000 ppm
Chromium(Cr)	0-1 (ppm)	0.00000 ppm
Copper(Cu)	0-1 (ppm)	0.00000 ppm
Iron(Fe)	0-1 (ppm)	0.00000 ppm
Potassium(K)	0-20 (ppm)	0.00000 ppm
Lithium(Li)	0-1 (ppm)	0.00000 ppm
Magnesium(Mg)	0-1 (ppm)	0.00000 ppm
Manganese(Mn)	0-1 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-1 (ppm)	0.00000 ppm
Sodium(Na)	0-20 (ppm)	0.00000 ppm
Nickel(Ni)	0-1 (ppm)	0.00000 ppm
Lead(Pb)	0-1 (ppm)	0.00000 ppm
Strontium(Sr)	0-1 (ppm)	0.00000 ppm
Zinc(Zn)	0-1 (ppm)	0.00000 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.00000 ppm
Chloride (Cl-)	0-50 (ppm)	0.00000 ppm
Sulfate(SO42-)	0-50 (ppm)	0.00000 ppm
pH(solution,neat)	6.0-8.0	7.25000
UV-ABS.at 260 nm	0-0.05	0.03400

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Parameter	Limit Values	Result
UV-ABS.at 280 nm	0-0.04	0.02400
Appearance(A432862)	Colorless Liquid	Colorless liquid
Solvent(H2O)	Conform	Conform

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager