

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-20 11:58:21
 Date of Next Testing: 2026-07-19 11:58:21
 Product Name: **Ammonium acetate solution**
 CAS Number: 631-61-8
 Specifications & Purity: for molecular biology, 5 M in H₂O
 Lot #: G2219095
 SKU #: **A294964**
Analysis: **105910**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sulfated Ash	≤ 0.01 (%)	0.00000 %
Aluminium(Al)	0-1 (ppm)	0.99000 ppm
Barium(Ba)	0-1 (ppm)	0.90 ppm
Bismuth(Bi)	0-1 (ppm)	0.80 ppm
Calcium(Ca)	0-5 (ppm)	4.10 ppm
Cadmium(Cd)	0-1 (ppm)	0.50 ppm
Cobalt(Co)	0-1 (ppm)	0.44 ppm
Chromium (ICP)	0-1 (ppm)	0.30 ppm
Copper(ICP)	0-1 (ppm)	1.00 ppm
Iron(Fe)	0-1 (ppm)	1.00 ppm
Potassium(K)	0-20 (ppm)	10.00 ppm
Lithium(Li)	0-1 (ppm)	0.55 ppm
Magnesium(Mg)	0-1 (ppm)	0.51 ppm
Manganese(Mn)	0-1 (ppm)	1.00 ppm
Molybdenum(Mo)	0-1 (ppm)	0.56 ppm
Sodium(Na)	0-20 (ppm)	9.00 ppm
Nickel(Ni)	0-1 (ppm)	1.00 ppm
Lead(Pb)	0-1 (ppm)	0.90 ppm
Strontium(Sr)	0-1 (ppm)	0.70 ppm
Zinc(Zn)	0-1 (ppm)	0.60 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.10 ppm
Total sulfur as SO ₄ (ICP)	0-10 (ppm)	4.60 ppm
Chloride	0-5 (ppm)	5.00 ppm
(NO ₃)Nitrate	0-10 (ppm)	8.00 ppm
PH(1 M in water)	6.2 - 7.5	6.30
UV Absorbance 260nm	0-0.015	0.00

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Parameter	Limit Values	Result
UV Absorbance 280nm	0-0.01	0.00
Concentration(Titration by NaOH)	4.90 - 5.10 (mol/L)	5.07 mol/L
Appearance(A294964)	Colorless Liquid	Colorless Liquid

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

John Su
QA & QC Manager