

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-23 07:50:25
 Date of Next Testing: 2027-03-22 07:50:25
 Product Name: **Ammonium acetate solution**
 CAS Number: 631-61-8
 Specifications & Purity: for molecular biology, 5 M in H₂O
 Lot #: C2318734
 SKU #: **A294964**
Analysis: **189181**
 Storage Temperature: Room temperature

| Parameter | Limit Values | Result |
|---------------------------------------|---------------------|-------------|
| Concentration(Titration by NaOH) | 4.90 - 5.10 (mol/L) | 5.04 mol/L |
| Sulfated Ash | ≤ 0.01 (%) | 0.00000 % |
| Aluminium(Al) | 0-1 (ppm) | 0.01000 ppm |
| Barium(Ba) | 0-1 (ppm) | 0.01 ppm |
| Bismuth(Bi) | 0-1 (ppm) | 0.01 ppm |
| Calcium(Ca) | 0-5 (ppm) | 3.30 ppm |
| Cadmium(Cd) | 0-1 (ppm) | 0.00 ppm |
| Cobalt(Co) | 0-1 (ppm) | 0.00 ppm |
| Chromium (ICP) | 0-1 (ppm) | 0.00 ppm |
| Copper(ICP) | 0-1 (ppm) | 0.00 ppm |
| Iron(Fe) | 0-1 (ppm) | 0.01 ppm |
| Potassium(K) | 0-20 (ppm) | 1.07 ppm |
| Lithium(Li) | 0-1 (ppm) | 0.00 ppm |
| Magnesium(Mg) | 0-1 (ppm) | 0.00 ppm |
| Manganese(Mn) | 0-1 (ppm) | 0.00 ppm |
| Molybdenum(Mo) | 0-1 (ppm) | 0.10 ppm |
| Sodium(Na) | 0-20 (ppm) | 2.14 ppm |
| Nickel(Ni) | 0-1 (ppm) | 0.11 ppm |
| Lead(Pb) | 0-1 (ppm) | 0.00 ppm |
| Strontium(Sr) | 0-1 (ppm) | 0.00 ppm |
| Zinc(Zn) | 0-1 (ppm) | 0.01 ppm |
| Arsenic traces(MHS-AAS) | 0-0.1 (ppm) | 0.00 ppm |
| Total sulfur as SO ₄ (ICP) | 0-10 (ppm) | 5.11 ppm |
| Chloride | 0-5 (ppm) | 1.47 ppm |
| (NO ₃)Nitrate | 0-10 (ppm) | 5.30 ppm |
| PH(1 M in water) | 6.2 - 7.5 | 6.80 |

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| Parameter | Limit Values | Result |
|---------------------|------------------|------------------|
| UV Absorbance 260nm | 0-0.015 | 0.00 |
| UV Absorbance 280nm | 0-0.01 | 0.00 |
| Appearance(A294964) | Colorless Liquid | Colorless Liquid |

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

John Su
QA & QC Manager