

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

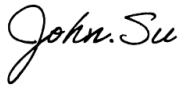
Date of Testing: 2023-05-27 13:23:34
 Date of Next Testing: 2027-05-26 13:23:34
 Product Name: **N-(2-Acetamido)iminodiacetic acid**
 CAS Number: 26239-55-4
 Specifications & Purity: Ultra Pure, ≥99.0% (T)
 Lot #: E2323208
 SKU #: **A108965**
Analysis: **214852**
 Storage Temperature: Room temperature

| Parameter | Limit Values | Result |
|-------------------------------------------------|--------------|-----------|
| Strontium(Sr) | 0-5 (ppm) | 0.00 ppm |
| Manganese(Mn) | 0-5 (ppm) | 0.00 ppm |
| Zinc(Zn) | 0-5 (ppm) | 0.00 ppm |
| Magnesium(Mg) | 0-5 (ppm) | 0.00 ppm |
| Sodium(Na) | 0-500 (ppm) | 21.00 ppm |
| UV Absorbance 280nm(0.05 M in H ₂ O) | 0-0.05 | 0.01 |
| Nickel(Ni) | 0-5 (ppm) | 0.00 ppm |
| UV Absorbance 260nm(0.05 M in H ₂ O) | 0-0.21 | 0.14 |
| Molybdenum(Mo) | 0-5 (ppm) | 0.00 ppm |
| Lead(Pb) | 0-5 (ppm) | 0.00 ppm |
| Potassium(K) | 0-50 (ppm) | 3.00 ppm |
| Calcium(Ca) | 0-10 (ppm) | 0.00 ppm |
| Iron(Fe) | 0-5 (ppm) | 0.00 ppm |
| Lithium(Li) | 0-5 (ppm) | 0.20 ppm |
| Chromium(Cr) | 0-5 (ppm) | 0.00 ppm |
| Barium(Ba) | 0-5 (ppm) | 0.00 ppm |
| PH(25 °C, 0.01 M in Water) | 1.5-3 | 2.36 |
| Cobalt(Co) | 0-5 (ppm) | 0.00 ppm |
| Aluminum(Al) | 0-5 (ppm) | 0.00 ppm |
| Ignition Residue | 0-0.1 (%) | 0.00 % |
| Bismuth(Bi) | 0-5 (ppm) | 0.00 ppm |
| Cadmium(Cd) | 0-5 (ppm) | 0.00 ppm |
| (As)Arsenic | 0-0.1 (ppm) | 0.00 ppm |
| Sulfate(SO ₄ ²⁻) | 0-50 (ppm) | 0.13 ppm |
| Copper(Cu) | 0-5 (ppm) | 0.00 ppm |
| Chloride (Cl ⁻) | 0-1000 (ppm) | 3.50 ppm |

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| Parameter | Limit Values | Result |
|----------------------------------------------------------------------------------------|--------------------------|--------------------------|
| Purity(Neutralization titration) | 99-101 (%) | 100.11 % |
| Loss on drying | 0-0.5 (%) | 0.22 % |
| Appearance (A108965) | White Powder or Crystals | White Powder or Crystals |
| Solubility in hot H ₂ O , Clear, colorless,0.05 M(0.285g in 30ml hot water) | pass | Pass |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |

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

John Su
QA & QC Manager