

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-02-11 12:05:18
 Date of Next Testing: 2024-02-01 12:05:18
 Product Name: **Aminoacetic acid**
 CAS Number: 56-40-6
 Specifications & Purity: for molecular biology, ≥99.0%(NT)
 Lot #: B2207215
 SKU #: **A111465**
Analysis: 060362

| Parameter | Limit Values | Result |
|---|----------------|-----------|
| Chloride (Cl ⁻) | 0-50 (ppm) | 25.30 ppm |
| Calcium(Ca) | 0-10 (ppm) | 0.00 ppm |
| Cobalt(Co) | 0-5 (ppm) | 0.73 ppm |
| Purity((NT) | 98.5-101.5 (%) | 98.52 % |
| (As)Arsenic | 0-0.1 (ppm) | 0.00 ppm |
| Barium(Ba) | 0-5 (ppm) | 0.00 ppm |
| Copper(Cu) | 0-5 (ppm) | 0.49 ppm |
| Strontium(Sr) | 0-5 (ppm) | 0.00 ppm |
| UV Absorbance 280nm(1 M in 1 M HCl) | 0-0.01 | 0.01 |
| Molybdenum(Mo) | 0-5 (ppm) | 0.00 ppm |
| Ignition Residue (as sulfate) | 0-0.05 (%) | 0.00 % |
| Cadmium(Cd) | 0-5 (ppm) | 0.73 ppm |
| Ammonia (NH ₄) | 0-200 (ppm) | 0.00 ppm |
| Sodium(Na) | 0-50 (ppm) | 0.24 ppm |
| Bismuth(Bi) | 0-5 (ppm) | 0.00 ppm |
| Zinc(Zn) | 0-5 (ppm) | 0.00 ppm |
| Iron(Fe) | 0-5 (ppm) | 1.46 ppm |
| Nickel(Ni) | 0-5 (ppm) | 0.00 ppm |
| Potassium(K) | 0-50 (ppm) | 0.00 ppm |
| Manganese(Mn) | 0-5 | 0.49 |
| Aluminum(Al) | 0-5 (ppm) | 0.24 ppm |
| (Pb)Lead | 0-5 (ppm) | 0.00 ppm |
| Lithium(Li) | 0-5 (ppm) | 0.49 ppm |
| Magnesium(Mg) | 0-5 (ppm) | 0.00 ppm |
| Sulfate(SO ₄ ²⁻) | 0-50 (ppm) | 10.23 ppm |
| Chromium(Cr) | 0-5 (ppm) | 0.73 ppm |
| Loss on drying(20 °C ,HV) | 0-0.05 (%) | 0.00 % |

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| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| UV Absorbance 260nm(1 M in 1 M HCl) | 0-0.01 | 0.01 |
| DNases | none detected | none detected |
| Insoluble matter | pass | Pass |
| phosphatases | none detected | none detected |
| pKa | 6.8 | 6.8 |
| proteases | none detected | none detected |
| RNases | none detected | none detected |
| Solubility 1M HCl , soluble 1 M at 20°C, clear, colorless | pass | Pass |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager