

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-30 15:44:06

Date of Next Testing: 2027-10-20 15:44:06

Product Name: **Aminoacetic acid**

CAS Number: 56-40-6

Specifications & Purity: Moligand™, Suitable for molecular biology, ≥99%(NT)

Lot #: J2528281

SKU #: **A111465**

Version: **3**

Analysis #: **565770**

Storage Temperature: Room temperature

| Parameter                 | Limit Values   | Result        |
|---------------------------|----------------|---------------|
| Chloride (Cl-)            | 0-50 (ppm)     | 20.00000 ppm  |
| Sulfate(SO42-)            | 0-50 (ppm)     | 25.00000 ppm  |
| Ammonia (NH4)             | 0-200 (ppm)    | 200.00000 ppm |
| Calcium(Ca)               | 0-10 (ppm)     | 0.00000 ppm   |
| Cobalt(Co)                | 0-5 (ppm)      | 0.00000 ppm   |
| (As)Arsenic               | 0-0.1 (ppm)    | 0.00000 ppm   |
| Barium(Ba)                | 0-5 (ppm)      | 0.00000 ppm   |
| Copper(Cu)                | 0-5 (ppm)      | 0.00000 ppm   |
| Strontium(Sr)             | 0-5 (ppm)      | 0.00000 ppm   |
| Molybdenum(Mo)            | 0-5 (ppm)      | 0.00000 ppm   |
| Cadmium(Cd)               | 0-5 (ppm)      | 0.00000 ppm   |
| Sodium(Na)                | 0-50 (ppm)     | 50.00000 ppm  |
| Bismuth(Bi)               | 0-5 (ppm)      | 2.00000 ppm   |
| Zinc(Zn)                  | 0-5 (ppm)      | 0.00000 ppm   |
| Iron(Fe)                  | 0-5 (ppm)      | 0.00000 ppm   |
| Nickel(Ni)                | 0-5 (ppm)      | 0.00000 ppm   |
| Potassium(K)              | 0-50 (ppm)     | 3.00000 ppm   |
| Aluminum(Al)              | 0-5 (ppm)      | 0.00000 ppm   |
| (Pb)Lead                  | 0-5 (ppm)      | 0.00000 ppm   |
| Lithium(Li)               | 0-5 (ppm)      | 0.00000 ppm   |
| Magnesium(Mg)             | 0-5 (ppm)      | 0.00000 ppm   |
| Chromium(Cr)              | 0-5 (ppm)      | 0.00000 ppm   |
| Manganese(Mn)             | 0-5 (ppm)      | 0.00000 ppm   |
| Purity((NT)               | 98.5-101.5 (%) | 98.96000 %    |
| Loss on drying(20 °C ,HV) | 0-0.05 (%)     | 0.00000 %     |

## ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

| Parameter                                              | Limit Values             | Result                   |
|--------------------------------------------------------|--------------------------|--------------------------|
| UV Absorbance 260nm(1 M in 1 M HCl)                    | 0-0.01                   | 0.00000                  |
| UV Absorbance 280nm(1 M in 1 M HCl)                    | 0-0.01                   | 0.00000                  |
| Ignition Residue (as sulfate)                          | 0-0.05 (%)               | 0.00000 %                |
| Appearance(A111465)                                    | White Powder or Crystals | White Powder or Crystals |
| 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            |
| Solubility1M HCl , soluble1 M at20°C, clear, colorless | pass                     | Pass                     |
| Proton NMR spectrum                                    | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager