

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-19 14:22:12  
 Date of Next Testing: 2024-09-08 14:22:12  
 Product Name: **Aminoacetic acid**  
 CAS Number: 56-40-6  
 Specifications & Purity: for molecular biology, ≥99.0%(NT)  
 Lot #: I2214048  
 SKU #: **A111465**  
**Analysis: 112184**

Parameter	Limit Values	Result
Chloride (Cl-)	0-50 (ppm)	43.60 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Purity((NT)	98.5-101.5 (%)	99.49 %
(As)Arsenic	0-0.1 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Loss on drying(20 °C ,HV)	0-0.05 (%)	0.02 %
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.57 ppm
Ammonia (NH4)	0-200 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	1.96 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	0.00 ppm
Manganese(Mn)	0-5	0.00
Aluminum(Al)	0-5 (ppm)	0.01 ppm
(Pb)Lead	0-5 (ppm)	0.00 ppm
Lithium(Li)	0-5 (ppm)	0.00 ppm
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Sulfate(SO42-)	0-50 (ppm)	39.60 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
UV Absorbance 260nm(1 M in 1 M HCl)	0-0.01	0.00
UV Absorbance 280nm(1 M in 1 M HCl)	0-0.01	0.00

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Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.05 (%)	0.05 %
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

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

John Su  
QA & QC Manager