

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-01 16:58:54  
 Date of Next Testing: 2024-05-21 16:58:54  
 Product Name: **Aminoacetic acid**  
 CAS Number: 56-40-6  
 Specifications & Purity: for molecular biology, ≥99.0%(NT)  
 Lot #: E2224007  
 SKU #: **A111465**  
**Analysis: 083188**

Parameter	Limit Values	Result
Chloride (Cl-)	0-50 (ppm)	22.00 ppm
Calcium(Ca)	0-10 (ppm)	0.30 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Purity((NT)	98.5-101.5 (%)	99.10 %
Barium(Ba)	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
Ammonia (NH4)	0-200 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.24 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	0.03
Aluminum(Al)	0-5 (ppm)	0.00 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)	26.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
(As)Arsenic	0-0.1 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
UV Absorbance 260nm(1 M in 1 M HCl)	0-0.01	0.01
UV Absorbance 280nm(1 M in 1 M HCl)	0-0.01	0.01
Ignition Residue (as sulfate)	0-0.05 (%)	0.00 %

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Parameter	Limit Values	Result
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
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