

Certificate of Analysis

Date of Testing: 2025-05-23 14:07:25

Date of Next Testing: 2027-05-13 14:07:25

Product Name: **Aminoacetic acid**

CAS Number: 56-40-6

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

Lot #: E2514124

SKU #: **A111465**

Version **3**

Analysis #: **489670**

Parameter	Limit Values	Result
Chloride (Cl-)	0-50 (ppm)	2.95 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Purity((NT)	98.5-101.5 (%)	98.89 %
(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 (%)	0.00 %
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Ignition Residue (as sulfate)	0-0.05 (%)	0.00 %
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Sodium(Na)	0-50 (ppm)	12.68 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)	7.66 ppm
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)	1.60 ppm
Chromium(Cr)	0-5 (ppm)	0.00 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
UV Absorbance 260nm(1 M in 1 M HCl)	0-0.01	0.01

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Parameter	Limit Values	Result
UV Absorbance 280nm(1 M in 1 M HCl)	0-0.01	0.01
Ammonia (NH ₄)	0-200 (ppm)	192.00 ppm
Insoluble matter	pass	Pass
Solubility 1M HCl , soluble 1 M at 20°C, clear, colorless	pass	Pass
Appearance(A111465)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
DNases	none detected	none detected
phosphatases	none detected	none detected
pKa	6.8	6.8
proteases	none detected	none detected
RNases	none detected	none detected

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

John Su
QA & QC Manager