

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

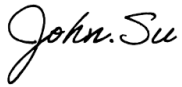
Date of Testing:	2024-08-19 16:57:55
Date of Next Testing:	2028-08-18 16:57:55
Product Name:	Ethylenediaminetetraacetic acid disodium salt dihydrate
CAS Number:	6381-92-6
Specifications & Purity:	for HPLC, ≥99.0%
Lot #:	K2010345
SKU #	E118594
Version	0
Analysis #:	401098

Parameter	Limit Values	Result
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	25.76 ppm
Molybdenum(Mo)	0-5 (ppm)	3.01 ppm
Potassium(K)	0-50 (ppm)	29.11 ppm
(Pb)Lead	0-5 (ppm)	0.79 ppm
UV Absorbance 290nm(0.1 M in H ₂ O)	0-0.02	0.01
Calcium(Ca)	0-10 (ppm)	2.76 ppm
Chromium(Cr)	0-5 (ppm)	2.47 ppm
Nickel(Ni)	0-5 (ppm)	2.77 ppm
UV Absorbance 270nm A (0.1 M in H ₂ O)	0-0.05	0.03
UV Absorbance 500nm(0.1 M in H ₂ O)	0-0.02	0.01
Chloride (Cl ⁻)	0-50 (ppm)	23.80 ppm
Manganese(Mn)	0-5 (ppm)	2.52 ppm
Absorbance(0.1mol/L,H ₂ O,260nm)	0-0.15	0.06
Purity Titration by EDTA	99-100 (%)	99.25 %
UV Absorbance 280nm(0.1 M in H ₂ O)	0-0.03	0.01
Zinc(Zn)	0-5 (ppm)	3.46 ppm
Lithium(Li)	0-5 (ppm)	2.46 ppm
Strontium(Sr)	0-5 (ppm)	2.46 ppm
Iron(Fe)	0-5 (ppm)	3.80 ppm
Copper(Cu)	0-5 (ppm)	2.65 ppm
Magnesium(Mg)	0-5 (ppm)	2.26 ppm
Cadmium(Cd)	0-5 (ppm)	2.78 ppm
Bismuth(Bi)	0-5 (ppm)	3.16 ppm
Cobalt(Co)	0-5 (ppm)	3.15 ppm
Aluminum(Al)	0-5 (ppm)	3.07 ppm
Barium(Ba)	0-5 (ppm)	2.46 ppm

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Parameter	Limit Values	Result
for RP gradient test	corresponds to standard	corresponds to standard
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insoluble matter	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , colorless and clear (0.1M)	pass	Pass

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

John Su
QA & QC Manager