

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

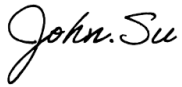
Date of Testing: 2024-11-06 19:10:48  
Date of Next Testing: 2028-11-05 19:10:48  
Product Name: **Ethylenediaminetetraacetic acid disodium salt dihydrate**  
CAS Number: 6381-92-6  
Specifications & Purity: Chromatographic grade, ≥99%  
Lot #: K2405512  
SKU #: **E118594**  
Version: **0**  
Analysis #: **427318**

Parameter	Limit Values	Result
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-50 (ppm)	0.58 ppm
Molybdenum(Mo)	0-5 (ppm)	0.22 ppm
Potassium(K)	0-50 (ppm)	0.51 ppm
(Pb)Lead	0-5 (ppm)	0.21 ppm
UV Absorbance 290nm(0.1 M in H <sub>2</sub> O)	0-0.02	0.01
Calcium(Ca)	0-10 (ppm)	0.06 ppm
Chromium(Cr)	0-5 (ppm)	0.82 ppm
Nickel(Ni)	0-5 (ppm)	0.03 ppm
UV Absorbance 270nm A (0.1 M in H <sub>2</sub> O)	0-0.05	0.03
UV Absorbance 500nm(0.1 M in H <sub>2</sub> O)	0-0.02	0.00
Chloride (Cl <sup>-</sup> )	0-50 (ppm)	0.52 ppm
Manganese(Mn)	0-5 (ppm)	0.03 ppm
Absorbance(0.1mol/L,H <sub>2</sub> O,260nm)	0-0.15	0.14
Purity Titration by EDTA	99-100 (%)	99.45 %
UV Absorbance 280nm(0.1 M in H <sub>2</sub> O)	0-0.03	0.01
Zinc(Zn)	0-5 (ppm)	0.06 ppm
Lithium(Li)	0-5 (ppm)	0.02 ppm
Strontium(Sr)	0-5 (ppm)	0.03 ppm
Iron(Fe)	0-5 (ppm)	0.16 ppm
Copper(Cu)	0-5 (ppm)	0.10 ppm
Magnesium(Mg)	0-5 (ppm)	0.24 ppm
Cadmium(Cd)	0-5 (ppm)	0.06 ppm
Bismuth(Bi)	0-5 (ppm)	0.02 ppm
Cobalt(Co)	0-5 (ppm)	0.02 ppm
Aluminum(Al)	0-5 (ppm)	0.10 ppm
Barium(Ba)	0-5 (ppm)	0.02 ppm

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

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

John Su  
QA & QC Manager