

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-03 09:17:06

Date of Next Testing: 2029-11-02 09:17:06

Product Name: **Ethylenediaminetetraacetic acid disodium salt dihydrate**

CAS Number: 6381-92-6

Specifications & Purity: HPLC grade, ≥99%

Lot #: J2528170

SKU #: **E118594**

Version: **0**

Analysis #: **601812**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Sulfate(SO42-)	0-50 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	0.00000 ppm
(Pb)Lead	0-5 (ppm)	0.00000 ppm
UV Absorbance 290nm(0.1 M in H2O)	0-0.02	0.00100
Calcium(Ca)	0-10 (ppm)	5.00000 ppm
Chromium(Cr)	0-5 (ppm)	3.00000 ppm
Nickel(Ni)	0-5 (ppm)	5.00000 ppm
UV Absorbance 270nm A (0.1 M in H2O)	0-0.05	0.00250
UV Absorbance 500nm(0.1 M in H2O)	0-0.02	0.00150
Chloride (Cl-)	0-50 (ppm)	36.00000 ppm
Manganese(Mn)	0-5 (ppm)	3.00000 ppm
Absorbance(0.1mol/L,H2O,260nm)	0-0.15	0.01000
Purity Titration by EDTA	99-100 (%)	99.93000 %
UV Absorbance 280nm(0.1 M in H2O)	0-0.03	0.00200
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Lithium(Li)	0-5 (ppm)	0.00000 ppm
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	0.00000 ppm
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	0.00000 ppm
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
Aluminum(Al)	0-5 (ppm)	0.00000 ppm

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Parameter

Barium(Ba)

for RP gradient test

Infrared spectrum

Insoluble matter

Proton NMR spectrum

Solubility in H₂O , colorless and clear (0.1M)**Limit Values**

0-5 (ppm)

corresponds to standard

Conforms to Structure

pass

Conforms to Structure

pass

Result

0.00000 ppm

corresponds to standard

Conforms to Structure

Pass

Conforms to Structure

Pass

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager