

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-05-30 09:52:03
Date of Next Testing:	2027-05-30 09:52:03
Product Name:	Ethylenediaminetetraacetic acid disodium salt dihydrate
CAS Number:	6381-92-6
Specifications & Purity:	suitable for HPLC, 99.0-101.0% (KT)
Lot #:	E2421008
SKU #	E433191
Version	1
Analysis #:	362971

Parameter	Limit Values	Result
Purity(Titration (KT) ZnSO4 0.1M)	99-101 (%)	99.41
Aluminium(Al)	0-5 (ppm)	3.10000 ppm
Barium(Ba)	0-5 (ppm)	3.20 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-20 (ppm)	5.30 ppm
Cadmium(Cd)	0-5 (ppm)	3.30 ppm
Cobalt(Co)	0-5 (ppm)	2.50 ppm
Chromium(Cr)	0-5 (ppm)	2.44000 ppm
Copper(Cu)	0-5 (ppm)	3.10 ppm
Iron(Fe)	0-5 (ppm)	2.70 ppm
Potassium(K)	0-50 (ppm)	24.70 ppm
Lithium(Li)	0-5 (ppm)	2.90 ppm
Magnesium(Mg)	0-5 (ppm)	3.20 ppm
Manganese(Mn)	0-5 (ppm)	3.20 ppm
Molybdenum(Mo)	0-5 (ppm)	3.10 ppm
Nickel(Ni)	0-5 (ppm)	3.10 ppm
Lead(Pb)	0-5 (ppm)	2.30 ppm
Strontium(Sr)	0-5 (ppm)	2.80 ppm
Zinc(Zn)	0-5 (ppm)	2.22 ppm
Chloride (Cl-)	0-50 (ppm)	22.30 ppm
Total sulfur as SO4 (ICP)	0-50 (ppm)	15.60 ppm
UV Absorbance 260nm	0-0.145	0.10
UV Absorbance 280nm	0-0.025	0.02
Appearance(E433191)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals

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Parameter	Limit Values	Result
Solubility (1.117 g in 30 ml H ₂ O)Clear Colorless	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Suitability Test (HPLC)	Pass	Pass

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

John Su
QA & QC Manager