

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-12-13 15:46:50
Date of Next Testing:	2027-12-13 15:46:50
Product Name:	<b>Ethylenediaminetetraacetic acid disodium salt dihydrate</b>
CAS Number:	6381-92-6
Specifications & Purity:	UltraPureChrom™, for HPLC, ≥99%(KT)
Lot #:	L2409227
SKU #	<b>E433191</b>
Version	<b>1</b>
Analysis #:	<b>449390</b>

Parameter	Limit Values	Result
Purity(Titration (KT) ZnSO4 0.1M)	99-101 (%)	99.07%
Aluminium(Al)	0-5 (ppm)	1.00000 ppm
Barium(Ba)	0-5 (ppm)	0.66 ppm
Bismuth(Bi)	0-5 (ppm)	4.01 ppm
Calcium(Ca)	0-20 (ppm)	6.66 ppm
Cadmium(Cd)	0-5 (ppm)	3.00 ppm
Cobalt(Co)	0-5 (ppm)	1.68 ppm
Chromium(Cr)	0-5 (ppm)	3.33000 ppm
Copper(Cu)	0-5 (ppm)	4.22 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Potassium(K)	0-50 (ppm)	22.55 ppm
Lithium(Li)	0-5 (ppm)	1.00 ppm
Magnesium(Mg)	0-5 (ppm)	1.91 ppm
Manganese(Mn)	0-5 (ppm)	1.11 ppm
Molybdenum(Mo)	0-5 (ppm)	0.82 ppm
Nickel(Ni)	0-5 (ppm)	3.99 ppm
Lead(Pb)	0-5 (ppm)	4.33 ppm
Strontium(Sr)	0-5 (ppm)	2.88 ppm
Zinc(Zn)	0-5 (ppm)	3.00 ppm
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
Total sulfur as SO4 (ICP)	0-50 (ppm)	4.00 ppm
UV Absorbance 260nm	0-0.145	0.09
UV Absorbance 280nm	0-0.025	0.00
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 <sub>2</sub> 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