

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-09 15:40:11  
 Date of Next Testing: 2026-08-08 15:40:11  
 Product Name: **Ethylenediaminetetraacetic acid disodium salt dihydrate**  
 CAS Number: 6381-92-6  
 Specifications & Purity: suitable for HPLC, 99.0-101.0% (KT)  
 Lot #: G2328082  
 SKU #: **E433191**  
 Analysis: **247435**

Parameter	Limit Values	Result
Aluminium(Al)	0-5 (ppm)	0.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-5 (ppm)	0.00 ppm
Calcium(Ca)	0-20 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
Cobalt(Co)	0-5 (ppm)	0.00 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Copper(Cu)	0-5 (ppm)	0.12 ppm
Iron(Fe)	0-5 (ppm)	0.00 ppm
Lithium(Li)	0-5 (ppm)	0.51 ppm
Magnesium(Mg)	0-5 (ppm)	1.74 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00 ppm
Nickel(Ni)	0-5 (ppm)	0.00 ppm
Lead(Pb)	0-5 (ppm)	0.00 ppm
Strontium(Sr)	0-5 (ppm)	0.00 ppm
Zinc(Zn)	0-5 (ppm)	0.00 ppm
Chloride (Cl-)	0-50 (ppm)	0.00 ppm
Total sulfur as SO4 (ICP)	0-50 (ppm)	7.21 ppm
UV Absorbance 260nm	0-0.145	0.10
UV Absorbance 280nm	0-0.025	0.00
Potassium(K)	0-50 (ppm)	0.00 ppm
Purity(Titration (KT) ZnSO4 0.1M)	99-101 (%)	100.91
Appearance(E433191)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Solubility (1.117 g in 30 ml H2O)Clear Colorless	pass	Pass

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Parameter	Limit Values	Result
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