

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

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

Parameter	Limit Values	Result
Purity(Titration (KT) ZnSO4 0.1M)	99-101 (%)	99.07000 %
Aluminium(Al)	0-5 (ppm)	1.00000 ppm
Barium(Ba)	0-5 (ppm)	0.66000 ppm
Bismuth(Bi)	0-5 (ppm)	4.01000 ppm
Calcium(Ca)	0-20 (ppm)	6.66000 ppm
Cadmium(Cd)	0-5 (ppm)	3.00000 ppm
Cobalt(Co)	0-5 (ppm)	1.68000 ppm
Chromium(Cr)	0-5 (ppm)	3.33000 ppm
Copper(Cu)	0-5 (ppm)	4.22000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	22.55000 ppm
Lithium(Li)	0-5 (ppm)	1.00000 ppm
Magnesium(Mg)	0-5 (ppm)	1.90800 ppm
Manganese(Mn)	0-5 (ppm)	1.11100 ppm
Molybdenum(Mo)	0-5 (ppm)	0.82460 ppm
Nickel(Ni)	0-5 (ppm)	3.99040 ppm
Lead(Pb)	0-5 (ppm)	4.33100 ppm
Strontium(Sr)	0-5 (ppm)	2.88000 ppm
Zinc(Zn)	0-5 (ppm)	3.00000 ppm
Chloride (Cl-)	0-50 (ppm)	0.00000 ppm
Total sulfur as SO4 (ICP)	0-50 (ppm)	4.00000 ppm
UV Absorbance 260nm	0-0.145	0.08630
UV Absorbance 280nm	0-0.025	0.00103
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	pass	Pass
Colorless		
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