

## Certificate of Analysis

Date of Testing:	2024-12-10 13:47:24
Date of Next Testing:	2027-12-10 13:47:24
Product Name:	<b>Ethylenediaminetetraacetic acid disodium salt dihydrate</b>
CAS Number:	6381-92-6
Specifications & Purity:	UltraBio™, Ultra pure, BioReagent, ≥98.5%
Lot #:	L2409694
SKU #	<b>E433190</b>
Version	<b>2</b>
<b>Analysis #:</b>	<b>446704</b>
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Purity(Titration)	98.5-101.5 (%)	98.90%
pH(0.1M,H <sub>2</sub> O)	4-6	5.00000
Insoluble matter	0-0.1 (%)	0.02%
Chloride (Cl <sup>-</sup> )	0-0.05 (%)	0.00%
Aluminum(Al)	0-0.001 (%)	0.00%
Phosphorus (P)	0-0.005 (%)	0.00%
Lead(Pb)	0-0.001 (%)	0.00%
Copper(Cu)	0-0.0005 (%)	0.00%
Zinc(Zn)	0-0.0005 (%)	0.00%
Iron(Fe)	0-0.0005 (%)	0.00%
Magnesium(Mg)	0-0.0005 (%)	0.00%
Calcium(Ca)	0-0.0005 (%)	0.00%
Ammonia (NH <sub>3</sub> )	0-0.05 (%)	0.03%
Potassium(K)	0-0.005 (%)	0.00%
Loss on drying(140°C)	7-11 (%)	8.93000%
Appearance(E433190)	White Powder	White powder
Solubility:0.1M in H <sub>2</sub> O,Clear,Colorless	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager