

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-20 13:27:42
 Date of Next Testing: 2028-09-19 13:27:42
 Product Name: **Nitrilotriacetic acid**
 CAS Number: 139-13-9
 Specifications & Purity: UltraBio™, ≥99%(T)
 Lot #: I2518376
 SKU #: **N755590**
 Version: **1**
 Analysis #: **542010**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Loss on drying	0-0.1 (%)	0.09730 %
Sulphated ash	0-0.1 (%)	0.00000 %
Aluminium(Al)	0-20 (ppm)	0.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	0.00000 ppm
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Copper(Cu)	0-5 (ppm)	0.48230 ppm
Iron(Fe)	0-20 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	0.00000 ppm
Lithium(Li)	0-5 (ppm)	0.00000 ppm
Magnesium(Mg)	0-5 (ppm)	1.32630 ppm
Manganese(Mn)	0-5 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00000 ppm
Sodium(Na)	0-500 (ppm)	13.06270 ppm
Nickel(Ni)	0-5 (ppm)	0.00000 ppm
Lead(Pb)	0-5 (ppm)	0.00000 ppm
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Chloride (Cl-)	0-100 (ppm)	18.00000 ppm
Assay(Titration by NaOH)	99-101 (%)	100.98000 %
Calcium(Ca)	0-10 (ppm)	0.00000 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.10000 ppm
UV Absorbance at 260nm(0.1M in 1M NAOH)	0-1.5	0.75400

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Parameter

UV Absorbance at 280nm(0.1M in 1M NAOH)

Appearance(N755590)

Filtered: No Residue on Filter Test

Solubility(0.1M in 1M NAOH)

Infrared spectrum

Limit Values

0-0.05

Colorless or white powder

Pass

Pass

Conforms to Structure

Result

0.00000

Colorless or White Powder

Pass

Pass

Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager