

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-07 11:51:22

Date of Next Testing: 2028-05-06 11:51:22

 Product Name: **Nitrilotriacetic acid**

CAS Number: 139-13-9

Specifications & Purity: ACS, ≥99.0%

Lot #: D2428412

 SKU #: **N100384**

 Analysis: **339363**

Parameter	Limit Values	Result
Cobalt(ICP)	0-5 (ppm)	0.00 ppm
Iron(ICP)	0-7 (ppm)	0.00 ppm
Loss on drying	0-0.1 (%)	0.04 %
Chromium (ICP)	0-5 (ppm)	0.00 ppm
Ignition Residue (as sulfate)	0-0.1 (%)	0.02 %
Magnesium(Mg)	0-5 (ppm)	0.00 ppm
Chloride (Cl-)	0-100 (ppm)	0.02 ppm
Nickel(ICP)	0-5 (ppm)	0.00 ppm
Manganese(ICP)	0-5 (ppm)	0.00 ppm
Zinc(ICP)	0-5 (ppm)	0.00 ppm
Cadmium(Cd)	0-5 (ppm)	0.00 ppm
lead by ICP-atomic emission	0-5 (ppm)	0.00 ppm
Sodium(ICP)	0-500 (ppm)	194.40 ppm
Potassium(K)(ICP)	0-50 (ppm)	0.00 ppm
Calcium(Ca)	0-10 (ppm)	0.00 ppm
Copper(ICP)	0-5 (ppm)	0.00 ppm
Purity(Titration by 0.1M NaOH)	99-101 (%)	99.96 %
Appearance (N100384)	Colorless to white powder or granulars	Colorless to white powder or granulars
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager