

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-19 18:46:25
Date of Next Testing: 2028-12-18 18:46:25
Product Name: **Acetic Acid, Glacial 99%**
CAS Number: 64-19-7
Specifications & Purity: Moligand™, PrimorTrace™, ≥99%
Lot #: L2511018
SKU #: **A433220**
Version: **2**
Analysis #: **628661**
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Assay(alkalimetric)	99.8-102.5 (%)	99.98000 %
Chloride (Cl-)	0-1 (ppm)	0.40000 ppm
Phosphate(PO43-)	0-1 (ppm)	0.00000 ppm
Sulfate(SO42-)	0-0.5 (ppm)	0.20000 ppm
Silver(Ag)	0-1 (ppb)	0.00000 ppb
Aluminum(Al)	0-1 (ppb)	0.00000 ppb
Arsenic(As)	0-0.5 (%)	0.00000 ppb
Barium(Ba)	0-0.5 (ppb)	0.00000 ppb
Beryllium(Be)	0-0.1 (ppb)	0.00000 ppb
Bismuth(Bi)	0-0.1 (ppb)	0.00000 ppb
Calcium(Ca)	0-1 (ppb)	0.00000 ppb
Cadmium(Cd)	0-0.5 (ppb)	0.00000 ppb
Cobalt(Co)	0-0.1 (ppb)	0.00000 ppb
Chromium(Cr)	0-1 (ppb)	0.00000 ppb
Cesium (Cs)	0-0.1 (ppb)	0.00000 ppb
Copper(Cu)	0-0.5 (ppb)	0.14000 ppb
Dysprosium(Dy)	0-0.1 (ppb)	0.00000 ppb
Erbium(Er)	0-0.1 (ppb)	0.00000 ppb
Europium(Eu)	0-0.1 (ppb)	0.00000 ppb
Iron(Fe)	0-1 (ppb)	0.62000 ppb
Gallium(Ga)	0-0.1 (ppb)	0.00000 ppb
Gadolinium (Gd)	0-0.1 (ppb)	0.00000 ppb
Germanium (Ge)	0-0.5 (ppb)	0.00000 ppb
Hafnium(Hf)	0-0.1 (ppb)	0.00000 ppb
Mercury(Hg)	0-1 (ppb)	0.00000 ppb

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Parameter	Limit Values	Result
Holmium(Ho)	0-0.1 (ppb)	0.00000 ppb
Indium(In)	0-0.1 (ppb)	0.00000 ppb
Potassium(K)	0-1 (ppb)	0.00000 ppb
Lanthanum(La)	0-0.1 (ppb)	0.00000 ppb
Lithium(Li)	0-0.1 (ppb)	0.00000 ppb
Lu	0-0.1 (ppb)	0.00000 ppb
Magnesium(Mg)	0-0.5 (ppb)	0.00000 ppb
Manganese(Mn)	0-0.5 (ppb)	0.00000 ppb
Molybdenum(Mo)	0-0.5 (ppb)	0.00000 ppb
Sodium(Na)	0-1 (ppb)	0.00000 ppb
Neodymium(Nd)	0-0.1 (ppb)	0.00000 ppb
Nickel(Ni)	0-0.5 (ppb)	0.00000 ppb
Praseodymium(Pr)	0-0.1 (ppb)	0.00000 ppb
Platinum(Pt)	0-0.5 (ppb)	0.00000 ppb
Rb	0-0.1 (ppb)	0.00000 ppb
rhenium(Re)	0-0.1 (ppb)	0.00000 ppb
Vanadium(V)	0-0.5 (ppb)	0.00000 ppb
Tungsten(W)	0-0.5 (ppb)	0.00000 ppb
Lead(Pb)	0-0.1 (ppb)	0.00000 ppb
Rhodium (Rh)	0-0.5 (ppb)	0.00000 ppb
Ruthenium (Ru)	0-0.5 (ppb)	0.00000 ppb
Antimony(Sb)	0-0.5 (ppb)	0.00000 ppb
Scandium(Sc)	0-0.1 (ppb)	0.00000 ppb
Selenium(Se)	0-1 (ppb)	0.00000 ppb
Samarium(Sm)	0-0.1 (ppb)	0.00000 ppb
Sn (Tin)	0-0.5 (ppb)	0.00000 ppb
Strontium(Sr)	0-0.5 (ppb)	0.00000 ppb
Terbium(Tb)	0-0.1 (ppb)	0.00000 ppb
Te	0-0.5 (ppb)	0.00000 ppb
Th	0-0.1 (ppb)	0.00000 ppb
Titanium(Ti)	0-0.5 (ppb)	0.00000 ppb
Thallium(Tl)	0-0.1 (ppb)	0.00000 ppb
Thulium(Tm)	0-0.1 (ppb)	0.00000 ppb
uranium(U)	0-0.1 (ppb)	0.00000 ppb
Yttrium(Y)	0-0.1 (ppb)	0.00000 ppb
Ytterbium(Yb)	0-0.1 (ppb)	0.00000 ppb
Zinc(Zn)	0-1 (ppb)	0.22000 ppb
Zirconium(Zr)	0-0.1 (ppb)	0.00000 ppb
Cerium(Ce)	0-0.1 (ppb)	0.00000 ppb

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Parameter

Appearance(A433220)

Infrared spectrum

Limit Values

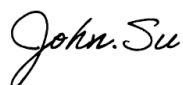
Colorless clear liquid

Conforms to Structure

Result

Colorless clear liquid

Conforms to Structure

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

John Su
QA & QC Manager