

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-21 18:45:23
 Date of Next Testing: 2028-03-20 18:45:23
 Product Name: **Acetic acid (glacial) 100%**
 CAS Number: 64-19-7
 Specifications & Purity: Anhydrous Grade, Moligand™, Ph.Eur., Premium-Grade Reagents, Suitable for Analysis, ACS
 Lot #: C2514200
 SKU #: **A433222**
 Version: **1**
Analysis #: **487863**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(alkalimetric)	99.8-102.5 (%)	99.98000 %
Chloride (Cl-)	0-0.4 (ppm)	0.00000 ppm
Phosphate(PO4)	0-0.4 (ppm)	0.00500 ppm
Heavy metals(as Pb)	0-0.5 (ppm)	0.00000 ppm
Acetaldehyde	0-2 (ppm)	1.00000 ppm
Acetic anhydride	0-100 (ppm)	10.00000 ppm
Titration Base	0-0.004 (meq/g)	0.00000 meq/g
Solidification temperature	≥16.3 (°C)	16.30000 °C
Sulfate(SO42-)	0-0.4 (ppm)	0.00200 ppm
Silver(Ag)	0-0.005 (ppm)	0.00000 ppm
Aluminum(Al)	0-0.02 (ppm)	0.00000 ppm
(As)Arsenic	0-0.01 (ppm)	0.00000 ppm
Aurum(Au)	0-0.01 (ppm)	0.00000 ppm
Boron(B)	0-0.1 (ppm)	0.00000 ppm
Barium(Ba)	0-0.01 (ppm)	0.00000 ppm
Beryllium(Be)	0-0.005 (ppm)	0.00000 ppm
Bismuth(Bi)	0-0.05 (ppm)	0.00000 ppm
Calcium(Ca)	0-0.1 (ppm)	0.01000 ppm
Cadmium(Cd)	0-0.02 (ppm)	0.00000 ppm
Cobalt(Co)	0-0.01 (ppm)	0.00000 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00000 ppm
Copper(Cu)	0-0.01 (ppm)	0.00000 ppm
Iron(Fe)	0-0.05 (ppm)	0.00000 ppm
Gallium(Ga)	0-0.05 (ppm)	0.00000 ppm

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Germanium (Ge)	0-0.02 (ppm)	0.00010 ppm
Mercury(Hg)	0-0.005 (ppm)	0.00000 ppm
Indium(In)	0-0.05 (ppm)	0.02000 ppm
Potassium(K)	0-0.1 (ppm)	0.00000 ppm
Lithium(Li)	0-0.01 (ppm)	0.00000 ppm
Magnesium(Mg)	0-0.05 (ppm)	0.00000 ppm
Manganese(Mn)	0-0.01 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-0.01 (ppm)	0.00000 ppm
Sodium(Na)	0-0.2 (ppm)	0.01300 ppm
Nickel(Ni)	0-0.02 (ppm)	0.00000 ppm
Lead(Pb)	0-0.01 (ppm)	0.00000 ppm
Platinum(Pt)	0-0.1 (ppm)	0.01000 ppm
Stannum(Sn)	0-0.05 (ppm)	0.02000 ppm
Strontium(Sr)	0-0.01 (ppm)	0.00000 ppm
Titanium(Ti)	0-0.05 (ppm)	0.00200 ppm
Vanadium(V)	0-0.01 (ppm)	0.00000 ppm
Thallium(Tl)	0-0.02 (ppm)	0.00000 ppm
Zinc(Zn)	0-0.03 (ppm)	0.00000 ppm
Zirconium(Zr)	0-0.05 (ppm)	0.01000 ppm
Evaporation Residue	0-5 (ppm)	1.00000 ppm
Water by Karl Fischer	0-0.2 (%)	0.01100 %
Substances reducing potassium permanganate	0-20 (ppm)	5.00000 ppm
Appearance(A433222)	Colorless clear liquid	Colorless clear liquid
Dilution Test	Pass	Pass
Infrared spectrum	conforms to structure	Conforms to Structure
Substances reducing potassium dichromate	Passes test	Passes test



 John Su
 QA & QC Manager