

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-08 16:07:49
 Date of Next Testing: 2028-12-07 16:07:49
 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 #: L2502106
 SKU #: **A433222**
 Version: **1**
Analysis #: **585315**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(alkalimetric)	99.8-102.5 (%)	99.98000 %
Chloride (Cl-)	0-0.4 (ppm)	0.00004 ppm
Phosphate(PO4)	0-0.4 (ppm)	0.00306 ppm
Heavy metals(as Pb)	0-0.5 (ppm)	0.00000 ppm
Acetaldehyde	0-2 (ppm)	0.09600 ppm
Acetic anhydride	0-100 (ppm)	60.00000 ppm
Titration Base	0-0.004 (meq/g)	0.00010 meq/g
Solidification temperature	≥16.3 (°C)	16.30000 °C
Sulfate(SO42-)	0-0.4 (ppm)	0.00002 ppm
Silver(Ag)	0-0.005 (ppm)	0.00210 ppm
Aluminum(Al)	0-0.02 (ppm)	0.00110 ppm
(As)Arsenic	0-0.01 (ppm)	0.00030 ppm
Aurum(Au)	0-0.01 (ppm)	0.00040 ppm
Boron(B)	0-0.1 (ppm)	0.00301 ppm
Barium(Ba)	0-0.01 (ppm)	0.00070 ppm
Beryllium(Be)	0-0.005 (ppm)	0.00031 ppm
Bismuth(Bi)	0-0.05 (ppm)	0.02010 ppm
Calcium(Ca)	0-0.1 (ppm)	0.00060 ppm
Cadmium(Cd)	0-0.02 (ppm)	0.00060 ppm
Cobalt(Co)	0-0.01 (ppm)	0.00080 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00050 ppm
Copper(Cu)	0-0.01 (ppm)	0.00014 ppm
Iron(Fe)	0-0.05 (ppm)	0.00062 ppm
Gallium(Ga)	0-0.05 (ppm)	0.00301 ppm

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Germanium (Ge)	0-0.02 (ppm)	0.00060 ppm
Mercury(Hg)	0-0.005 (ppm)	0.00002 ppm
Indium(In)	0-0.05 (ppm)	0.00030 ppm
Potassium(K)	0-0.1 (ppm)	0.00002 ppm
Lithium(Li)	0-0.01 (ppm)	0.00090 ppm
Magnesium(Mg)	0-0.05 (ppm)	0.00301 ppm
Manganese(Mn)	0-0.01 (ppm)	0.00050 ppm
Molybdenum(Mo)	0-0.01 (ppm)	0.00001 ppm
Sodium(Na)	0-0.2 (ppm)	0.00105 ppm
Nickel(Ni)	0-0.02 (ppm)	0.00010 ppm
Lead(Pb)	0-0.01 (ppm)	0.00018 ppm
Platinum(Pt)	0-0.1 (ppm)	0.00060 ppm
Stannum(Sn)	0-0.05 (ppm)	0.00210 ppm
Strontium(Sr)	0-0.01 (ppm)	0.00140 ppm
Titanium(Ti)	0-0.05 (ppm)	0.02030 ppm
Vanadium(V)	0-0.01 (ppm)	0.00600 ppm
Thallium(Tl)	0-0.02 (ppm)	0.00150 ppm
Zinc(Zn)	0-0.03 (ppm)	0.00600 ppm
Zirconium(Zr)	0-0.05 (ppm)	0.02500 ppm
Evaporation Residue	0-5 (ppm)	1.96010 ppm
Water by Karl Fischer	0-0.2 (%)	0.09630 %
Substances reducing potassium permanganate	0-20 (ppm)	8.00000 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