

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-21 13:42:21

Date of Next Testing: 2027-10-21 13:42:21

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 #: J2411316

SKU #: **A433222**

Version: **1**

Analysis #: **424588**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(alkalimetric)	99.8-102.5 (%)	99.98000 %
Chloride (Cl-)	0-0.4 (ppm)	0.02000 ppm
Phosphate(PO4)	0-0.4 (ppm)	0.36000 ppm
Heavy metals(as Pb)	0-0.5 (ppm)	0.00000 ppm
Acetaldehyde	0-2 (ppm)	1.00000 ppm
Acetic anhydride	0-100 (ppm)	100.00000 ppm
Titration Base	0-0.004 (meq/g)	0.00200 meq/g
Solidification temperature	≥16.3 (°C)	16.35000 °C
Sulfate(SO42-)	0-0.4 (ppm)	0.28000 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)	0.00010 ppm
Boron(B)	0-0.1 (ppm)	0.01110 ppm
Barium(Ba)	0-0.01 (ppm)	0.01000 ppm
Beryllium(Be)	0-0.005 (ppm)	0.00000 ppm
Bismuth(Bi)	0-0.05 (ppm)	0.02000 ppm
Calcium(Ca)	0-0.1 (ppm)	0.06000 ppm
Cadmium(Cd)	0-0.02 (ppm)	0.02000 ppm
Cobalt(Co)	0-0.01 (ppm)	0.01000 ppm
Chromium(Cr)	0-0.02 (ppm)	0.01000 ppm
Copper(Cu)	0-0.01 (ppm)	0.01000 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)	0.01200 ppm
Mercury(Hg)	0-0.005 (ppm)	0.00000 ppm
Indium(In)	0-0.05 (ppm)	0.00000 ppm
Potassium(K)	0-0.1 (ppm)	0.03000 ppm
Lithium(Li)	0-0.01 (ppm)	0.00400 ppm
Magnesium(Mg)	0-0.05 (ppm)	0.00000 ppm
Manganese(Mn)	0-0.01 (ppm)	0.00200 ppm
Molybdenum(Mo)	0-0.01 (ppm)	0.00000 ppm
Sodium(Na)	0-0.2 (ppm)	0.01700 ppm
Nickel(Ni)	0-0.02 (ppm)	0.01000 ppm
Lead(Pb)	0-0.01 (ppm)	0.00000 ppm
Platinum(Pt)	0-0.1 (ppm)	0.00000 ppm
Stannum(Sn)	0-0.05 (ppm)	0.00000 ppm
Strontium(Sr)	0-0.01 (ppm)	0.00000 ppm
Titanium(Ti)	0-0.05 (ppm)	0.02000 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)	0.00000 ppm
Evaporation Residue	0-5 (ppm)	1.00000 ppm
Water by Karl Fischer	0-0.2 (%)	0.01300 %
Substances reducing potassium permanganate	0-20 (ppm)	4.50000 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