

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-29 16:13:11

Date of Next Testing: 2028-09-28 16:13:11

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 #: I2523058

SKU #: **A433222**

Version: **1**

Analysis #: **535228**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(alkalimetric)	99.8-102.5 (%)	100.12000 %
Chloride (Cl-)	0-0.4 (ppm)	0.00000 ppm
Phosphate(PO4)	0-0.4 (ppm)	0.00000 ppm
Heavy metals(as Pb)	0-0.5 (ppm)	0.00020 ppm
Acetaldehyde	0-2 (ppm)	0.00000 ppm
Acetic anhydride	0-100 (ppm)	0.00000 ppm
Titration Base	0-0.004 (meq/g)	0.00000 meq/g
Sulfate(SO42-)	0-0.4 (ppm)	0.00000 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)	0.00290 ppm
Barium(Ba)	0-0.01 (ppm)	0.00100 ppm
Beryllium(Be)	0-0.005 (ppm)	0.00000 ppm
Bismuth(Bi)	0-0.05 (ppm)	0.00000 ppm
Cadmium(Cd)	0-0.02 (ppm)	0.00000 ppm
Cobalt(Co)	0-0.01 (ppm)	0.00002 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00100 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
Germanium (Ge)	0-0.02 (ppm)	0.00000 ppm
Mercury(Hg)	0-0.005 (ppm)	0.00000 ppm

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Parameter	Limit Values	Result
Indium(In)	0-0.05 (ppm)	0.00000 ppm
Potassium(K)	0-0.1 (ppm)	0.00000 ppm
Lithium(Li)	0-0.01 (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)	0.00000 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)	0.00000 ppm
Stannum(Sn)	0-0.05 (ppm)	0.00000 ppm
Strontium(Sr)	0-0.01 (ppm)	0.00160 ppm
Titanium(Ti)	0-0.05 (ppm)	0.00760 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)	0.00100 ppm
Evaporation Residue	0-5 (ppm)	0.00000 ppm
Water by Karl Fischer	0-0.2 (%)	0.18190 %
Substances reducing potassium permanganate	0-20 (ppm)	0.00000 ppm
Magnesium(Mg)	0-0.05 (ppm)	0.05000 ppm
Calcium(Ca)	0-0.1 (ppm)	0.10000 ppm
Solidification temperature	≥16.3 (°C)	16.80000 °C
Appearance(A433222)	Colorless clear liquid	Colorless clear liquid
Substances reducing potassium dichromate	Passes test	Passes test
Dilution Test	Pass	Pass
Infrared spectrum	conforms to structure	Conforms to Structure



John Su
QA & QC Manager