

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-21 10:58:42
 Date of Next Testing: 2028-03-20 10:58:42
 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 #: C2514145
 SKU #: **A433222**
 Version: **1**
Analysis #: **486804**
 Storage Temperature: Room temperature

| Parameter | Limit Values | Result |
|----------------------------|-----------------|---------------|
| Assay(alkalimetric) | 99.8-102.5 (%) | 99.99980 % |
| 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) | 0.00000 ppm |
| Acetaldehyde | 0-2 (ppm) | 0.00000 ppm |
| Acetic anhydride | 0-100 (ppm) | 15.80000 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) | 0.00000 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) | 0.00000 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) | 0.00000 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) | 0.00000 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) | 0.00000 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) | 0.00000 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) | 0.00000 ppm |
| Titanium(Ti) | 0-0.05 (ppm) | 0.00000 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) | 0.10000 ppm |
| Water by Karl Fischer | 0-0.2 (%) | 0.00000 % |
| Substances reducing potassium permanganate | 0-20 (ppm) | 10.00000 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