

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-01 16:33:23
 Date of Next Testing: 2026-11-30 16:33:23
 Product Name: **Acetic acid (glacial) 100%**
 CAS Number: 64-19-7
 Specifications & Purity: anhydrous Premium-Grade Reagents , for Analysis, ACS,ISO,Reag. Ph Eur
 Lot #: K2327380
 SKU #: **A433222**
Analysis: **293119**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(alkalimetric)	99.8-102.5 (%)	99.95000 %
Chloride (Cl-)	0-0.4 (ppm)	0.00 ppm
Phosphate(PO4)	0-0.4 (ppm)	0.00 ppm
Heavy metals(as Pb)	0-0.5 (ppm)	0.00 ppm
Acetaldehyde	0-2 (ppm)	0.00000 ppm
Titration Base	0-0.004 (meq/g)	0.00000 meq/g
Solidification temperature	≥16.3 (°C)	999.00000 °C
Sulfate(SO42-)	0-0.4 (ppm)	0.00 ppm
Silver (Ag)	0-0.005 (ppm)	0.00 ppm
Aluminum(Al)	0-0.02 (ppm)	0.00 ppm
(As)Arsenic	0-0.01 (ppm)	0.00 ppm
Aurum(Au)	0-0.01 (ppm)	0.00 ppm
Boron(B)	0-0.1 (ppm)	0.00 ppm
Barium(Ba)	0-0.01 (ppm)	0.00 ppm
Beryllium(Be)	0-0.005 (ppm)	0.00 ppm
Bismuth(Bi)	0-0.05 (ppm)	0.00 ppm
Cadmium(Cd)	0-0.02 (ppm)	0.00 ppm
Cobalt(Co)	0-0.01 (ppm)	0.00 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00 ppm
Copper(Cu)	0-0.01 (ppm)	0.00 ppm
Iron(Fe)	0-0.05 (ppm)	0.00 ppm
Gallium(Ga)	0-0.05 (ppm)	0.00 ppm
Germanium (Ge)	0-0.02 (ppm)	0.00 ppm
Mercury(Hg)	0-0.005 (ppm)	0.00 ppm
Indium (In)	0-0.05 (ppm)	0.00 ppm
Lithium(Li)	0-0.01 (ppm)	0.00 ppm

Parameter	Limit Values	Result
Magnesium(Mg)	0-0.05 (ppm)	0.00 ppm
Manganese(Mn)	0-0.01 (ppm)	0.00 ppm
Molybdenum(Mo)	0-0.01 (ppm)	0.00 ppm
Nickel(Ni)	0-0.02 (ppm)	0.00 ppm
Lead(Pb)	0-0.01 (ppm)	0.00 ppm
Platinum(Pt)	0-0.1 (ppm)	0.00 ppm
Stannum(Sn)	0-0.05 (ppm)	0.00 ppm
Strontium(Sr)	0-0.01 (ppm)	0.00 ppm
Titanium(Ti)	0-0.05 (ppm)	0.00 ppm
Vanadium(V)	0-0.01 (ppm)	0.00 ppm
Thallium(Tl)	0-0.02 (ppm)	0.00000 ppm
Zinc(Zn)	0-0.03 (ppm)	0.00 ppm
Zirconium(Zr)	0-0.05 (ppm)	0.00 ppm
Evaporation Residue	0-5 (ppm)	0.00 ppm
Water by Karl Fischer	0-0.2 (%)	0.15 %
Substances reducing potassium permanganate	0-20 (ppm)	0.00000 ppm
Calcium(Ca)	0-0.1 (ppm)	0.00 ppm
Sodium(Na)	0-0.2 (ppm)	0.00 ppm
Potassium(K)	0-0.1 (ppm)	0.00 ppm
Acetic anhydride	0-100 (ppm)	90.00000 ppm
Appearance(A433222)	Colorless clear liquid	Colorless clear liquid
Infrared spectrum	conforms to structure	Conforms to Structure
Substances reducing potassium dichromate	Passes test	Passes test
Dilution Test	Pass	Pass



John Su
QA & QC Manager