

Certificate of Analysis

Product: Acetic Acid Glacial 99%
Item Number: AAS99
Grade: Semiconductor
Lot Number: 511115
Manufacture Date: 11/15/2021
Expiration Date: 11/14/2026
Country of Origin: United States

Tested Property	Specification	Analysis
Assay (CH ₃ COOH)	Min 99.7%	99.95%
Color (APHA)	Max 10	10
Residue after Evaporation	Max 10 ppm	10 ppm
Dilution test	To pass test	Pass
Sub. Red. Dichromate	To pass test	Pass
Sub. Red. Permanganate	To pass test	Pass
Chloride (Cl)	Max 1 ppm	1 ppm
Phosphate (PO ₄)	Max 1 ppm	1 ppm
Sulfate (SO ₄)	Max 0.5 ppm	0.5 ppm
Heavy Metals (as Pb)	Max 0.5 ppm	0.5 ppm
Arsenic & Antimony (as As)	Max 0.005 ppm	0.005 ppm
Acetic Anhydride	Max 0.01%	0.00%
Titration base	Max 0.0004meq/g	<0.0002meq/g
Identification	To pass the test	Pass
Aluminum (Al)	Max 1 ppm	1 ppm
Barium (Ba)	Max 1 ppm	1 ppm
Boron (B)	Max 0.5 ppm	0.5 ppm
Cadmium (Cd)	Max 1 ppm	1 ppm
Calcium (Ca)	Max 1 ppm	1 ppm
Chromium (Cr)	Max 0.5 ppm	0.5 ppm

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Cobalt (Co)	Max 0.1 ppm	0.1 ppm
Copper (Cu)	Max 0.1 ppm	0.1 ppm
Gallium (Ga)	Max 0.5 ppm	0.5 ppm
Germanium (Ge)	Max 1 ppm	1 ppm
Gold (Au)	Max 0.5 ppm	0.5 ppm
Iron (Fe)	Max 0.2 ppm	0.2 ppm
Lithium (Li)	Max 1 ppm	1 ppm
Magnesium (Mg)	Max 1 ppm	1 ppm
Manganese (Mn)	Max 1 ppm	1 ppm
Nickel (Ni)	Max 0.1 ppm	0.1 ppm
Potassium (K)	Max 1 ppm	1 ppm
Silicon (Si)	Max 1 ppm	1 ppm
Silver (Ag)	Max 0.5 ppm	0.5 ppm
Sodium (Na)	Max 1 ppm	1 ppm
Strontium (Sr)	Max 1 ppm	1 ppm
Tin (Sn)	Max 1 ppm	1 ppm
Zinc (Zn)	Max 1 ppm	1 ppm

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