

Certificate of Analysis



Date of Release: 11/15/2024
 Name: Acetic Acid, Glacial
 GR ACS
 Meets ACS Specifications
 Item No: AX0073 all size codes
 Lot / Batch No: 2024090531
 Country of Origin: Mexico

501321
 A1100-2.5L

Characteristic	Requirement		Results	Units
	Min.	Max.		
Acetic anhydride [(CH ₃ CO) ₂ O]		0.01	< 0.01	%
Aluminum (Al)		0.3	0.030	ppm
Arsenic (As)		0.05	< 0.001	ppm
Assay	99.7		100.0	%
Calcium (Ca)		0.3	0.006	ppm
Chloride (Cl)		1	< 1	ppm
Chromium (Cr)		0.2	0.006	ppm
Color (APHA)		10	< 10	
Copper (Cu)		0.1	< 0.001	ppm
Dilution test			Passes test	
Evaporation residue		0.001	< 0.001	%
Gold (Au)		0.3	< 0.001	ppm
Heavy Metals (by ICP-OES)		0.5	< 0.5	ppm
Iron (Fe)		0.2	< 0.100	ppm
Lead (Pb)		0.2	< 0.001	ppm
Magnesium (Mg)		0.3	< 0.001	ppm
Manganese (Mn)		0.2	< 0.001	ppm
Nickel (Ni)		0.1	0.002	ppm
Phosphate (PO ₄)		1	< 1	ppm
Potassium (K)		0.3	< 0.005	ppm
Sodium (Na)		0.3	0.005	ppm
Substances reducing dichromate			Passes test	
Substances reducing permanganate			Passes test	
Sulfate (SO ₄)		1	< 1	ppm
Tin (Sn)		0.3	< 0.001	ppm
Titanium (Ti)		0.3	< 0.002	ppm
Titration base		0.0004	0.0002	meq/g
Zinc (Zn)		0.3	0.006	ppm

Michael Hutchinson,

 Quality Control Manager