

### 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 <sub>3</sub> 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 <sub>4</sub> )	Max 1 ppm	1 ppm
Sulfate (SO <sub>4</sub> )	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%
Titrate 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

Phone: 512-668-9918, Fax: 512-886-4008,  
 E-mail: [Customerservice@laballey.com](mailto:Customerservice@laballey.com),  
[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

© copyright: 2023 Lab Alley

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

#### [Acetic Acid Glacial 99%](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

This document was electronically issued and is therefore valid without a signature.