



# Specification Report

Printed on: 5-Nov-12

## 401-063901 Standard

Item Code: 401-063901  
Description: Acetic Acid Cleanroom® LP  
Container: POLY BOTTLE  
Approved on: 18-Aug-2010

Ship to: 401-063901 Standard  
Specification: Standard  
Revision: 2  
Part Number: 401-063901

| <u>Parameter</u>                     | <u>Min</u> | <u>Max</u> | <u>Units</u> |
|--------------------------------------|------------|------------|--------------|
| Assay (CH <sub>3</sub> COOH)         | 99.70      |            | %            |
| Assay (Acetic Anhydride)             |            | 100        | ppm          |
| Color                                |            | 7          | APHA         |
| Appearance                           |            |            |              |
| Solubility (in H <sub>2</sub> O)     |            |            |              |
| Substance Reducing Dichromate        |            |            |              |
| Substance Reducing KMnO <sub>4</sub> |            |            |              |
| Residue After Evaporation            |            | 4,000      | ppb          |
| Chloride (Cl)                        |            | 500        | ppb          |
| Nitrate (NO <sub>3</sub> )           |            | 500        | ppb          |
| Phosphate (PO <sub>4</sub> )         |            | 500        | ppb          |
| Sulfate (SO <sub>4</sub> )           |            | 300        | ppb          |
| Aluminum (Al)                        |            | 40.0       | ppb          |
| Antimony (Sb)                        |            | 5.0        | ppb          |
| Arsenic (As)                         |            | 5.0        | ppb          |
| Barium (Ba)                          |            | 10.0       | ppb          |
| Beryllium (Be)                       |            | 10.0       | ppb          |
| Bismuth (Bi)                         |            | 20.0       | ppb          |
| Boron (B)                            |            | 10.0       | ppb          |
| Cadmium (Cd)                         |            | 10.0       | ppb          |

| <u>Parameter</u> | <u>Min</u> | <u>Max</u> | <u>Units</u> |
|------------------|------------|------------|--------------|
| Calcium (Ca)     |            | 200.0      | ppb          |
| Chromium (Cr)    |            | 30.0       | ppb          |
| Cobalt (Co)      |            | 10.0       | ppb          |
| Copper (Cu)      |            | 10.0       | ppb          |
| Gallium (Ga)     |            | 10.0       | ppb          |
| Germanium (Ge)   |            | 10.0       | ppb          |
| Gold (Au)        |            | 10.0       | ppb          |
| Iron (Fe)        |            | 200.0      | ppb          |
| Lead (Pb)        |            | 100.0      | ppb          |
| Lithium (Li)     |            | 10.0       | ppb          |
| Magnesium (Mg)   |            | 50.0       | ppb          |
| Manganese (Mn)   |            | 10.0       | ppb          |
| Molybdenum (Mo)  |            | 20.0       | ppb          |
| Nickel (Ni)      |            | 25.0       | ppb          |
| Niobium (Nb)     |            | 20.0       | ppb          |
| Potassium (K)    |            | 100.0      | ppb          |
| Silicon (Si)     |            | 100.0      | ppb          |
| Silver (Ag)      |            | 10.0       | ppb          |
| Sodium (Na)      |            | 100.0      | ppb          |
| Strontium (Sr)   |            | 30.0       | ppb          |
| Tantalum (Ta)    |            | 50.0       | ppb          |
| Thallium (Tl)    |            | 50.0       | ppb          |
| Tin (Sn)         |            | 100.0      | ppb          |
| Titanium (Ti)    |            | 100.0      | ppb          |
| Tungsten (W)     |            | 100.0      | ppb          |
| Vanadium (V)     |            | 10.0       | ppb          |
| Zinc (Zn)        |            | 50.0       | ppb          |
| Zirconium (Zr)   |            | 50.0       | ppb          |

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| <u>Parameter</u>    | <u>Min</u> | <u>Max</u> | <u>Units</u> |
|---------------------|------------|------------|--------------|
| 0.5µ Particle Count |            | 70         | par/ml       |
| 1.0µ Particle Count |            | 10         | par/ml       |

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