Acetic Acid, Glacial
ULTREX® II Ultrapure Reagent

Material No.: 6903-05
Batch No.: 6222060
Manufactured Date: 2023-07-13
Expiration Date: 2026-07-13
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3COOH)	≥ 99.0 %	99.7 %
Trace Impurities - Aluminum (Al)	≤ 50 ppt	< 5 ppt
Trace Impurities - Antimony (Sb)	≤ 50 ppt	< 1 ppt
Trace Impurities - Arsenic (As)	≤ 50 ppt	< 1 ppt
Trace Impurities - Barium (Ba)	≤ 10 ppt	< 1 ppt
Trace Impurities - Beryllium (Be)	≤ 10 ppt	< 1 ppt
Trace Impurities - Bismuth (Bi)	≤ 10 ppt	< 1 ppt
Trace Impurities - Cadmium (Cd)	≤ 10 ppt	< 1 ppt
Trace Impurities - Calcium (Ca)	≤ 50 ppt	< 50 ppt
Trace Impurities - Cerium (Ce)	≤ 10 ppt	< 1 ppt
Trace Impurities - Cesium (Cs)	≤ 10 ppt	< 1 ppt
Trace Impurities - Chromium (Cr)	≤ 10 ppt	< 1 ppt
Trace Impurities - Cobalt (Co)	≤ 10 ppt	< 1 ppt
Trace Impurities - Copper (Cu)	≤ 10 ppt	< 1 ppt
Trace Impurities - Dysprosium (Dy)	≤ 1 ppt	< 1 ppt
Trace Impurities - Erbium (Er)	≤ 1 ppt	< 1 ppt
Trace Impurities - Europium (Eu)	≤ 1 ppt	< 1 ppt
Trace Impurities - Gadolinium (Gd)	≤ 1 ppt	< 1 ppt
Trace Impurities - Gallium (Ga)	≤ 10 ppt	< 1 ppt
Trace Impurities - Germanium (Ge)	≤ 10 ppt	< 1 ppt
Trace Impurities - Hafnium (Hf)	≤ 10 ppt	< 1 ppt
Trace Impurities - Holmium (Ho)	≤ 1 ppt	< 1 ppt
Trace Impurities - Indium (In)	≤ 1 ppt	< 1 ppt
Trace Impurities - Iron (Fe)	≤ 50 ppt	< 10 ppt
Trace Impurities - Lanthanum (La)	≤ 1 ppt	< 1 ppt
Trace Impurities - Lead (Pb)	≤ 10 ppt	< 1 ppt
Trace Impurities - Lithium (Li)	≤ 10 ppt	< 1 ppt
Trace Impurities - Lutetium (Lu)	≤ 10 ppt	< 1 ppt

>>> Continued on page 2 >>>

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Material No.: 6903-05
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Test	Specification	Result
Trace Impurities - Magnesium (Mg)	≤ 50 ppt	< 1 ppt
Trace Impurities - Manganese (Mn)	≤ 10 ppt	< 5 ppt
Trace Impurities - Molybdenum (Mo)	≤ 10 ppt	< 5 ppt
Trace Impurities - Neodymium (Nd)	≤ 1 ppt	< 1 ppt
Trace Impurities - Nickel (Ni)	≤ 50 ppt	< 5 ppt
Trace Impurities - Platinum (Pt)	≤ 50 ppt	< 1 ppt
Trace Impurities - Potassium (K)	≤ 50 ppt	< 1 ppt
Trace Impurities - Praseodymium (Pr)	≤ 1 ppt	< 1 ppt
Trace Impurities - Rhenium (Re)	≤ 10 ppt	< 1 ppt
Trace Impurities - Rhodium (Rh)	≤ 50 ppt	< 1 ppt
Trace Impurities - Rubidium (Rb)	≤ 10 ppt	< 1 ppt
Trace Impurities - Ruthenium (Ru)	≤ 50 ppt	< 1 ppt
Trace Impurities - Samarium (Sm)	≤ 1 ppt	< 1 ppt
Trace Impurities - Scandium (Sc)	≤ 10 ppt	< 1 ppt
Trace Impurities - Selenium (Se), For Information Only		< 50 ppt
Trace Impurities - Silver (Ag)	≤ 50 ppt	< 1 ppt
Trace Impurities - Sodium (Na)	≤ 100 ppt	< 5 ppt
Trace Impurities - Strontium (Sr)	≤ 10 ppt	< 1 ppt
Trace Impurities - Tellurium (Te)	≤ 1 ppt	< 1 ppt
Trace Impurities - Terbium (Tb)	≤ 1 ppt	< 1 ppt
Trace Impurities - Thallium (Tl)	≤ 10 ppt	< 1 ppt
Trace Impurities - Thorium (Th)	≤ 1 ppt	< 1 ppt
Trace Impurities - Thulium (Tm)	≤ 1 ppt	< 1 ppt
Trace Impurities - Tin (Sn)	≤ 50 ppt	< 5 ppt
Trace Impurities - Titanium (Ti)	≤ 10 ppt	< 1 ppt
Trace Impurities - Tungsten (W)	≤ 10 ppt	< 2 ppt
Trace Impurities - Uranium (U)	≤ 1 ppt	< 1 ppt
Trace Impurities - Vanadium (V)	≤ 10 ppt	< 1 ppt
Trace Impurities - Ytterbium (Yb)	≤ 1 ppt	< 1 ppt
Trace Impurities - Yttrium (Y)	≤ 1 ppt	< 1 ppt
Trace Impurities - Zinc (Zn)	≤ 50 ppt	< 2 ppt
Trace Impurities - Zirconium (Zr)	≤ 10 ppt	< 1 ppt

>>> Continued on page 3 >>>

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Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Certificate Provided Reports Actual Lot Analysis
Storage Condition: IMPORTANT: Material will freeze if stored below 17 °C (63°F).

Country of Origin: Canada
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

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