

## Certificate of Analysis

Test	Specification	Result
Assay (CH <sub>3</sub> COOH)	≥ 99.0 %	99.5 %
Trace Impurities – Aluminum (Al)	≤ 50 ppt	< 2 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	< 5 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

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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	< 5 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	< 1 ppt
Trace Impurities – Titanium (Ti)	≤ 10 ppt	< 1 ppt
Trace Impurities – Tungsten (W)	≤ 10 ppt	< 1 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

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Acetic Acid, Glacial  
ULTREX® II Ultrapure Reagent



Material No.: 6903-05  
Batch No.: 6221092

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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

  
Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700  
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