

Water
ULTREX® II Ultrapure Reagent



Material No.: 6906-02
Batch No.: 0000115525
Manufactured Date: 2015/07/04
Expiration Date: 2018/07/03

Certificate of Analysis

Test	Specification	Result
Color (APHA)	≤ 10	< 10
Chloride (Cl)	≤ 1 ppb	< 1
Phosphate (PO ₄)	≤ 1 ppb	< 1
Sulfate (SO ₄)	≤ 1 ppb	< 1
Trace Impurities – Aluminum (Al)	≤ 20 ppt	< 2
Trace Impurities – Antimony (Sb)	≤ 10 ppt	< 1
Trace Impurities – Arsenic (As)	≤ 10 ppt	< 1
Trace Impurities – Barium (Ba)	≤ 10 ppt	< 1
Trace Impurities – Beryllium (Be)	≤ 10 ppt	< 1
Trace Impurities – Bismuth (Bi)	≤ 10 ppt	< 1
Trace Impurities – Boron (B)	≤ 20 ppt	< 20
Trace Impurities – Cadmium (Cd)	≤ 10 ppt	< 1
Trace Impurities – Calcium (Ca)	≤ 10 ppt	< 10
Trace Impurities – Cerium (Ce)	≤ 10 ppt	< 1
Trace Impurities – Cesium (Cs)	≤ 10 ppt	< 1
Trace Impurities – Chromium (Cr)	≤ 10 ppt	< 1
Trace Impurities – Cobalt (Co)	≤ 10 ppt	< 1
Trace Impurities – Copper (Cu)	≤ 10 ppt	< 1
Trace Impurities – Dysprosium (Dy)	≤ 1 ppt	< 1
Trace Impurities – Erbium (Er)	≤ 1 ppt	< 1
Trace Impurities – Europium (Eu)	≤ 1 ppt	< 1
Trace Impurities – Gadolinium (Gd)	≤ 1 ppt	< 1
Trace Impurities – Gallium (Ga)	≤ 10 ppt	< 1
Trace Impurities – Germanium (Ge)	≤ 10 ppt	< 1

Test	Specification	Result
Trace Impurities – Gold (Au)	<= 10 ppt	< 1
Trace Impurities – Hafnium (Hf)	<= 1 ppt	< 1
Trace Impurities – Holmium (Ho)	<= 1 ppt	< 1
Trace Impurities – Indium (In)	<= 1 ppt	< 1
Trace Impurities – Iron (Fe)	<= 10 ppt	< 1
Trace Impurities – Lanthanum (La)	<= 1 ppt	< 1
Trace Impurities – Lead (Pb)	<= 10 ppt	< 1
Trace Impurities – Lithium (Li)	<= 10 ppt	< 1
Trace Impurities – Lutetium (Lu)	<= 1 ppt	< 1
Trace Impurities – Magnesium (Mg)	<= 10 ppt	< 1
Trace Impurities – Manganese (Mn)	<= 10 ppt	< 1
Trace Impurities – Mercury (Hg)	<= 20 ppt	< 20
Trace Impurities – Molybdenum (Mo)	<= 10 ppt	< 1
Trace Impurities – Neodymium (Nd)	<= 1 ppt	< 1
Trace Impurities – Nickel (Ni)	<= 10 ppt	< 1
Trace Impurities – Niobium (Nb)	<= 10 ppt	< 1
Trace Impurities – Palladium (Pd)	<= 10 ppt	< 1
Trace Impurities – Platinum (Pt)	<= 10 ppt	< 1
Trace Impurities – Potassium (K)	<= 10 ppt	< 1
Trace Impurities – Praseodymium (Pr)	<= 10 ppt	< 1
Trace Impurities – Rhenium (Re)	<= 10 ppt	< 1
Trace Impurities – Rhodium (Rh)	<= 10 ppt	< 1
Trace Impurities – Rubidium (Rb)	<= 10 ppt	< 1
Trace Impurities – Ruthenium (Ru)	<= 10 ppt	< 1
Trace Impurities – Samarium (Sm)	<= 10 ppt	< 1
Trace Impurities – Scandium (Sc)	<= 10 ppt	< 1
Trace Impurities – Selenium (Se)	<= 50 ppt	< 1
Trace Impurities – Silver (Ag)	<= 10 ppt	< 1
Trace Impurities – Sodium (Na)	<= 10 ppt	< 5
Trace Impurities – Strontium (Sr)	<= 10 ppt	< 1
Trace Impurities – Tantalum (Ta)	<= 10 ppt	< 1
Trace Impurities – Tellurium (Te)	<= 1 ppt	< 1
Trace Impurities – Terbium (Tb)	<= 10 ppt	< 1
Trace Impurities – Thallium (Tl)	<= 10 ppt	< 1
Trace Impurities – Thorium (Th)	<= 1 ppt	< 1
Trace Impurities – Thulium (Tm)	<= 10 ppt	< 1

Test	Specification	Result
Trace Impurities – Tin (Sn)	<= 10 ppt	< 1
Trace Impurities – Titanium (Ti)	<= 10 ppt	< 1
Trace Impurities – Tungsten (W)	<= 10 ppt	< 1
Trace Impurities – Uranium (U)	<= 1 ppt	< 1
Trace Impurities – Vanadium (V)	<= 10 ppt	< 1
Trace Impurities – Ytterbium (Yb)	<= 10 ppt	< 1
Trace Impurities – Yttrium (Y)	<= 1 ppt	< 1
Trace Impurities – Zinc (Zn)	<= 10 ppt	< 1
Trace Impurities – Zirconium (Zr)	<= 10 ppt	< 1

For Laboratory, Research or Manufacturing Use
Certificate Provided Reports Actual Lot Analysis

Country of Origin: CA



Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008, 17025:2005
Panoli, India 9001:2008


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