



# Hydrochloric Acid

## ULTREX II Ultrapure Reagent

Product No. 6900  
 Specifications current as of: Jun 8  
 2011

TEST	SPECIFICATION
Certificate Provided Reports Actual Lot Analysis	
Assay (HCl)(w/w)	33 - 36 %
Trace Impurities in ppt (pg/g):	
Aluminum (Al)	max. 20
Antimony (Sb)	max. 20
Arsenic (As)	max. 50
Barium (Ba)	max. 10
Beryllium (Be)	max. 10
Bismuth (Bi)	max. 10
Boron (B)	max. 100
Cadmium (Cd)	max. 10
Calcium (Ca)	max. 20
Cerium (Ce)	max. 10
Cesium (Cs)	max. 10
Chromium (Cr)	max. 20
Cobalt (Co)	max. 10
Copper (Cu)	max. 20
Dysprosium (Dy)	max. 1
Erbium (Er)	max. 1
Europium (Eu)	max. 1
Gadolinium (Gd)	max. 1
Gallium (Ga)	max. 10
Gold (Au)	max. 100
Hafnium (Hf)	max. 10
Holmium (Ho)	max. 1
Indium (In)	max. 1
Iron (Fe)	max. 20
Lanthanum (La)	max. 1
Lead (Pb)	max. 10
Lithium (Li)	max. 10
Lutetium (Lu)	max. 10

Magnesium (Mg)	max. 10
Manganese (Mn)	max. 10
Mercury (Hg)	max. 100
Molybdenum (Mo)	max. 10
Neodymium (Nd)	max. 1
Nickel (Ni)	max. 50
Niobium (Nb)	max. 1
Palladium (Pd)	Actual Value Reported
Platinum (Pt)	Actual Value Reported
Potassium (K)	max. 10
Praseodymium (Pr)	max. 1
Rhenium (Re)	max. 10
Rhodium (Rh)	max. 10
Rubidium (Rb)	max. 10
Ruthenium (Ru)	max. 10
Samarium (Sm)	max. 1
Scandium (Sc)	max. 10
Selenium (Se)	Actual Value Reported
Silver (Ag)	max. 10
Sodium (Na)	max. 10
Strontium (Sr)	max. 10
Tantalum (Ta)	Actual Value Reported
Tellurium (Te)	max. 1
Terbium (Tb)	max. 1
Thallium (Tl)	max. 10
Thorium (Th)	max. 1
Thulium (Tm)	max. 1
Tin (Sn)	max. 20
Titanium (Ti)	max. 20
Tungsten (W)	max. 10
Uranium (U)	max. 1
Vanadium (V)	max. 10
Ytterbium (Yb)	max. 1
Yttrium (Y)	max. 1
Zinc (Zn)	max. 20
Zirconium (Zr)	max. 10

For Laboratory, Research or Manufacturing Use

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