



Hydrochloric Acid, 36.5-38.0%

BAKER INSTRA-ANALYZED®
Reagent

Product No. 9530
Specifications current as of: Mar 29
2017

TEST	SPECIFICATION
For Laboratory, Research, or Manufacturing Use	
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %
ACS - Color (APHA)	<= 10
ACS - Residue after Ignition	<= 3 ppm
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192
ACS - Bromide (Br)	<= 0.005 %
ACS - Extractable Organic Substances	<= 5 ppm
ACS - Free Chlorine (as Cl ₂)	<= 0.5 ppm
Phosphate (PO ₄)	<= 0.05 ppm
Sulfate (SO ₄)	<= 0.5 ppm
Sulfite (SO ₃)	<= 0.8 ppm
Ammonium (NH ₄)	<= 3 ppm
Trace Impurities - Arsenic (As)	<= 0.010 ppm
Trace Impurities - Aluminum (Al)	<= 10.0 ppb
Arsenic and Antimony (as As)	<= 5.0 ppb
Trace Impurities - Barium (Ba)	<= 1.0 ppb
Trace Impurities - Beryllium (Be)	<= 1.0 ppb
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb
Trace Impurities - Boron (B)	<= 20.0 ppb
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb
Trace Impurities - Calcium (Ca)	<= 50.0 ppb
Trace Impurities - Chromium (Cr)	<= 1.0 ppb
Trace Impurities - Cobalt (Co)	<= 1.0 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb
Trace Impurities - Gallium (Ga)	<= 1.0 ppb
Trace Impurities - Germanium (Ge)	<= 3.0 ppb
Trace Impurities - Gold (Au)	<= 4.0 ppb
Heavy Metals (as Pb)	<= 100 ppb
Trace Impurities - Iron (Fe)	<= 15 ppb
Trace Impurities - Lead (Pb)	<= 1.0 ppb
Trace Impurities - Lithium (Li)	<= 1.0 ppb

Trace Impurities - Magnesium (Mg)	<= 10.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb
Trace Impurities - Nickel (Ni)	<= 4.0 ppb
Trace Impurities - Niobium (Nb)	<= 1.0 ppb
Trace Impurities - Potassium (K)	<= 9.0 ppb
Trace Impurities - Selenium (Se), For Information Only	
Trace Impurities - Silicon (Si)	<= 100.0 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb
Trace Impurities - Sodium (Na)	<= 100.0 ppb
Trace Impurities - Strontium (Sr)	<= 1.0 ppb
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb
Trace Impurities - Thallium (Tl)	<= 5.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb
Trace Impurities - Titanium (Ti)	<= 1.0 ppb
Trace Impurities - Vanadium (V)	<= 1.0 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb
Product Information (not specifications):	
Appearance (clear, fuming liquid)	
Meets ACS Specifications	