

Item Number	H1122
Item	Hydrochloric Acid, TraceGrade
CAS Number	
Molecular Formula	HCl
Molecular Weight	36.46
MDL Number	
Synonyms	Chlorhydric Acid ; Muriatic Acid ; Spirits of Salts

Test	Specification	
	Min	Max
ASSAY (w/w)	34 - 37%	
COLOR (APHA)		10
FREE CHLORINE (Cl)		0.5 ppm
TOTAL PHOSPHORUS (P)		0.01 ppm
TOTAL SULFUR		0.3 ppm
BROMIDE (Br)		10 ppm
ALUMINUM		1 ppb
ANTIMONY (Sb)		1 ppb
ARSENIC (As)		1 ppb
BARIUM (Ba)		1 ppb
BERYLLIUM (Be)		1 ppb
BISMUTH		1 ppb
BORON		1 ppb
CADMIUM (Cd)		1 ppb
CALCIUM (Ca)		1 ppb
CERIUM		0.5 ppb
CESIUM		0.5 ppb
CHROMIUM (Cr)		1 ppb
COBALT (Co)		1 ppb
COPPER (Cu)		1 ppb
DYSPROSIUM		0.5 ppb
ERBIUM		0.5 ppb
EUROPIUM		0.5 ppb
GADOLINIUM		0.5 ppb
GALLIUM (Ga)		0.5 ppb

Test	Specification	
	Min	Max
GOLD		0.5 ppb
HAFNIUM		0.5 ppb
HOLMIUM		0.5 ppb
INDIUM		0.5 ppb
IRON (Fe)		1 ppb
LANTHANUM		0.5 ppb
LEAD (Pb)		1 ppb
LITHIUM		1 ppb
LUTETIUM		0.5 ppb
MAGNESIUM (Mg)		1 ppb
MANGANESE (Mn)		1 ppb
MOLYBDENUM (Mo)		1 ppb
NEODYMIUM		0.5 ppb
NICKEL (Ni)		1 ppb
NIOBIUM		0.5 ppb
PALLADIUM	AS REPORTED	
PLATINUM	AS REPORTED	
PRASEODYMIUM		0.5 ppb
RHENIUM		0.5 ppb
RHODIUM (Rh)		0.5 ppb
RUBIDIUM (Rb)		0.5 ppb
RUTHENIUM		0.5 ppb
SAMARIUM		0.5 ppb
SCANDIUM		0.5 ppb
SELENIUM (Se)		1 ppb
SILVER (Ag)		1 ppb
SODIUM (Na)		1 ppb
STRONTIUM (Sr)		1 ppb
TANTALUM	AS REPORTED	
TELLURIUM		0.5 ppb
TERBIUM		0.5 ppb
THALLIUM (Tl)		0.5 ppb
THORIUM		1 ppb
THULIUM		0.5 ppb
TIN (Sn)		1 ppb
TITANIUM (Ti)		1 ppb
TUNGSTEN		0.5 ppb

Test	Specification	
	Min	Max
URANIUM		1 ppb
VANADIUM (V)		1 ppb
YTTERBIUM		0.5 ppb
YTTRIUM		0.5 ppb
ZINC (Zn)		1 ppb
ZIRCONIUM (ZR)		1 ppb
EXPIRATION DATE		
DATE OF MANUFACTURE		

Spectrum Chemical Mfg Corp

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