



**ChemPure* Brand
Chemicals**

Product Code: CP-T1495
Lot #: 270301

Certificate of Analysis

...Pure Quality

Chemical Name: **Hydrochloric Acid, ACS Extra Pure Certified**

Chemical Formula: **HCl**

F.W.: **36.4600**
CAS: **7647-01-0**
Density: **1.1800 kg/L**

Specification	Maximum Limits	Results
Assay (HCL)	36.5-38%	37.0%
Color (APHA)	10	5
Extractable Organic Substances	5.0 ppm	<5.0 ppm
Free Halogen (as Cl ₂)	5.0 ppm	<5.0 ppm
Residue after Ignition	5.0 ppm	<2.0 ppm
Sulfate (SO ₄)	0.5 ppm	<0.25 ppm
Sulfite (SO ₃)	0.8 ppm	<0.5 ppm
Phosphate (PO ₄)	0.05 ppm	<0.05 ppm
Heavy Metals (as Pb)	0.1 ppm	<0.1 ppm
Arsenic & Antimony (as As)	0.005 ppm	<0.0005ppm
Aluminum (Al)	1.0 ppm	<1.0 ppm
Barium (Ba)	1.0 ppm	<1.0 ppm
Boron (B)	0.1 ppm	<0.01 ppm
Cadmium (Cd)	1.0 ppm	<1.0 ppm
Calcium (Ca)	1.0 ppm	<1.0 ppm
Chromium (Cr)	0.5 ppm	<0.5 ppm
Cobalt (Co)	0.1 ppm	<0.1 ppm
Copper (Cu)	0.1 ppm	<0.1 ppm
Gallium (Ga)	0.5 ppm	<0.5 ppm
Germanium (Ge)	1.0 ppm	<1.0 ppm
Gold (Au)	0.5 ppm	<0.5 ppm
Iron (Fe)	0.2 ppm	<0.1 ppm
Lithium (Li)	1.0 ppm	<1.0 ppm
Magnesium (Mg)	1.0 ppm	<1.0 ppm
Manganese (Mn)	1.0 ppm	<1.0 ppm
Nickel (Ni)	0.1 ppm	<0.1 ppm
Potassium (K)	1.0 ppm	<1.0 ppm
Silicon(Si)	1.0 ppm	<1.0 ppm
Silver (Ag)	0.1 ppm	<0.1 ppm
Sodium (Na)	1.0 ppm	<1.0 ppm
Strontium (Sr)	1.0 ppm	<1.0 ppm
Tin (Sn)	1.0 ppm	<1.0 ppm
Zinc (Zn)	1.0 ppm	<1.0 ppm

Date of MFG: 3/2017
Retest Date: 3/2019

Vyto Mekesa
Quality Assurance Manager

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