

HCI

CHEMICAL FORMULA:

Cust-Product Code: CP-D1494P

Lot #: 2025061902

CERTIFICATE OF ANALYSIS

...Pure Quality

F.W.: 36.4600

CAS No: 7647-01-0

Density: 1.1800

PRODUCT NAME: Hydrochloric Acid
High Purity CA

ANALYTICAL RESULTS				
ITEM	SPECIFICATIONS	ANALYSIS		
Assay (HCI)	36.5-38.0%	37.4%		
Assay (HCI) Be'	22.7 deg Be' min.	>22.7°Be'		
Appearance	Clear, colorless fuming liquid	Passes Test		
Appearance (EP)	To pass test	Passes Test		
Ammonium (NH4)	0.0003% max.	<0.0003%		
Bromide or Iodide	To pass test	Passes Test		
Clarity of Solution	Free from suspended matter/sediment	Passes Test		
Color (APHA)	10 max.	<10		
Free Bromine or Chlorine	To pass test (0.0001% max.)	Passes Test (<0.0001%)		
Free Chlorine (Cl2)	1.0 ppm Max	<0.5 ppm		
Heavy Metals (as Pb)	0.0001% max.	<0.00002%		
Hydrazine	0.1 ppm Max	<0.001 ppm		
Identification NF	To pass test	Passes Test		
Nonvolatile residue	0.5% Max	<0.0001%		
Identification FCC	To pass test	Passes Test		
Organic Compounds - Total non-fluorine containing	5 mg/kg Max	<0.001 mg/kg		
Organic Compounds - Benzene	0.05 mg/kg Max	<0.001 mg/kg		
Organic Compounds - Total fluorinated organic	0.0025% Max	<0.000001%		
Oxidizing substances (as Cl2)	0.003% Max	<0.0001%		
Reducing Substances	To pass test	Passes Test		
Residue After Ignition	0.0005% max.	<0.0005%		
Phosphate (PO4)	50 ppb Max	<50 ppb		
Specific Gravity at 60°F	Record only (approx. 1.17-1.20)	1.19		
Sulfate (SO4)	0.0001% max.	<0.0001%		
Sulfite (SO3)	0.0001% max.	<0.0001%		
Aluminum (Al)	300 ppb Max	<100 ppb		
Antimony (Sb)	4 ppb Max	<4 ppb		
Arsenic (As)	4 ppb max.	<1 ppb		

Important. It is certified that the above is a true copy of the actual lot analysis. To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. However, nothing herein shall constitute any express or implied warranty of merchantability or fitness for a particular purpose. The minimum shelf life is based on current knowledge and holds only for proper storage conditions in the original containers. We herewith confirm that the delivery is effected according to the technical conditions agreed. Particular properties of the products in order to satisfy itself as to the suitability for the eustomer's particular purpose. This information is not intended to be all inclusive as to the manner and conditions of use, handling, storage, disposal, and other factors that may involve other or additional legal, environmental, safety or performance considerations, and CHEMPURE BRAND CHEMICALS assumes no liability whatsoever for the use of or reliance upon this information. Our technical personnel will be happy to respond to questions. Safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, recommendations to infringe any existing patients or to violate any Federal, State, Local or foreign laws.

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...Pure Quality

01-0

Density: 1.1800

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PRODUCT NAME:	Hydrochloric Acid			1 . **	30.400
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	High Purity			CAS No:	7647-01
CHEMICAL FORMU	IA. LICI				
CHEMICAL FORMU	LA: HCI				

	ANALYTICAL RESULTS				
ITEM	SPECIFICATIONS	ANALYSIS			
Barium (Ba)	100 ppb Max	<20 ppb			
Beryllium (Be)	50 ppb Max	<10 ppb			
Bismuth (Bi)	50 ppb Max	<20 ppb			
Boron (B)	50 ppb Max	<20 ppb			
Bromide (Br)	50 ppm Max	<50 ppb			
Cadmium (Cd)	100 ppb Max	<5 ppb			
Calcium (Ca)	300 ppb Max	<100 ppb			
Chromium (Cr)	100 ppb Max	<50 ppb			
Cobalt (Co)	50 ppb Max	<5 ppb			
Copper (Cu)	50 ppb Max	<5 ppb			
Gallium (Ga)	100 ppb Max	<20 ppb			
Germanium (Ge)	100 ppb Max	<20 ppb			
Gold (Au)	100 ppb Max	<20 ppb			
Iridium (Ir)	2 ppm Max	<2 ppm			
Iron (Fe)	200 ppb Max	<50 ppb			
Lead (Pb)	100 ppb Max	<25 ppb			
Lithium (Li)	100 ppb Max	<50 ppb			
Magnesium (Mg)	200 ppb Max	<50 ppb			
Manganese (Mn)	100 ppb Max	<5 ppb			
Mercury (Hg)	1 ppb Max	<1 ppb			
Molybdenum (Mo)	50 ppb Max	<10 ppb			
Nickel (Ni)	50 ppb Max	<10 ppb			
Palladium (Pd)	2 ppm Max	<2 ppm			
Platinum (Pt)	2 ppm Max	<2 ppm			
Potassium (K)	300 ppb Max	<100 ppb			
Silver (Ag)	50 ppb Max	<50 ppb			
Sodium (Na)	300 ppb Max	<100 ppb			
Silicon (Si)	300 ppb Max	<100 ppb			

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F.W.: 36.4600

CAS No: 7647-01-0

Density: 1.1800

PRODUCT NAME: **Hydrochloric Acid** High Purity CHEMICAL FORMULA: HCI

ANALYTICAL RESULTS ITEM **SPECIFICATIONS ANALYSIS** Strontium (Sr) 100 ppb Max <20 ppb Rhodium (Rh) 2 ppm Max <2 ppm Ruthenium (Ru) 2 ppm Max <2 ppm Tantalum (Ta) 50 ppb Max <10 ppb Thallium (TI) 50 ppb Max <20 ppb Tin (Sn) 300 ppb Max <50 ppb Titanium (Ti) 300 ppb Max <10 ppb Vanadium (V) <10 ppb 50 ppb Max Zinc (Zn) 100 ppb Max <50 ppb Zirconium (Zr) 50 ppb Max <10 ppb Manufacture Date 06/10/2025 Record Actual **Expiration Date** Two years from manufacture date 06/10/2027

REMARKS

It is certified that the above is a true copy of the actual lot analysis.

Eddy Santiago

Quality Assurance Manager

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