



**ChemPure* Brand
Chemicals**

Product Code: CP-M1495P -CP-M1497P
Lot #: 2019061317

Certificate Of Analysis

...Pure Quality

Chemical Name: **Hydrochloric Acid 37%**

FCC, MEETS ACS SPECIFICATIONS

Chemical Formula: HCl

F.W.: 36.46

CAS: 7647-01-0

Density: 1.1800 kg/L

Analytical Results		
Item	Specifications	Analysis
Color	To pass test	Passes Test
Identification: FCC	To pass test	Passes Test
Iron (Fe)	5 mg/kg max.	<0.01 mg/kg
Lead (Pb)	1 mg/kg max.	<0.01 mg/kg
Manufacture Date	Record Actual	06/10/2019
Mercury (Hg)	0.10 mg/kg max.	<0.001 mg/kg
Nonvolatile residue	0.5% max.	<0.00001%
Oxidizing substances (as Cl ₂)	0.003% max.	<0.00001%
Reducing substances (as SO ₃)	0.007% max.	<0.00001%
Specific Gravity at 60°F	1.164 - 1.211	1.186
Sulfate (SO ₄)	0.5% max.	<0.00001%
Expiration date	Record Actual	06/09/2021
Organic Compounds - Total non-fluorine containing organic compounds	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 compounds	0.0025% max.	<0.0000001%
Assay (HCl)	36.5 - 38.1%	37.5%
Assay (HCl) Be'	22.7Be' min.	>22.7° Be'
Color (APHA), ACS	10 max.	0
Free Chlorine (Cl ₂), ACS	1 ppm max.	<0.5 ppm
Heavy Metals, ACS	1 ppm max.	<0.01 ppm
Ammonium (NH ₄), ACS	3 ppm max.	<3 ppm
Iron (Fe), ACS	0.2 ppm max.	<0.01 ppm
Appearance, ACS	Clear, colorless liquid	Passes Test
Arsenic (As), ACS	0.01 ppm max.	<0.01 ppm
Residue After Ignition, ACS	5 ppm max.	<5 ppm
Sulfate (SO ₄), ACS	1 ppm max.	<0.1 ppm
Sulfite (SO ₃), ACS	1 ppm max.	<0.1 ppm
Assay (HCl), ACS	36.5 - 38.0%	37.5%
Bromide (Br), ACS	0.005% max.	<0.005%

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

Eddy Santiago
Quality Assurance Manager

Disclaimer: 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. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose.