



**ChemPure\* Brand  
Chemicals**

Cust-Product Code: CP-M1495P  
Lot #: 2022042844

...Pure Quality

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: **Hydrochloric Acid**  
ACS

F.W.: 36.4600

CHEMICAL FORMULA: HCl

CAS No: 7647-01-0

Density: 1.1800

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
Appearance	Clear, colorless liquid	Passes Test
Assay (HCl)	36.5 - 38.0%	37.7%
Color (APHA)	10 max.	0
Residue After Ignition	5 ppm max.	<5 ppm
Bromide (Br)	0.005% max.	<0.005%
Sulfate (SO <sub>4</sub> )	1 ppm max.	<0.1 ppm
Sulfite (SO <sub>3</sub> )	1 ppm max.	<0.1 ppm
Free Chlorine (Cl <sub>2</sub> )	1 ppm max.	<0.5 ppm
Ammonium (NH <sub>4</sub> )	3 ppm max.	<3 ppm
Arsenic (As)	0.01 ppm max.	<0.01 ppm
Heavy metals (by ICP-OES)	1 ppm max.	<0.01 ppm
Iron (Fe)	0.2 ppm max.	<0.01 ppm
Manufacture Date	Record Actual	04/24/2022
Recommended Retest Date	Report Actual	04/23/2024

### 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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