



**ChemPure\* Brand  
Chemicals**

Lot #: 2020093053

## CERTIFICATE OF ANALYSIS

...Pure Quality

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%            | 37.6%       |
| 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                     | 1 ppm max.              | <0.01 ppm   |
| Iron (Fe)                        | 0.2 ppm max.            | <0.01 ppm   |
| Manufacture Date                 | Record Actual           | 09/28/2020  |
| Recommended Retest Date          | Report Actual           | 09/28/2022  |

### REMARKS

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