



**ChemPure* Brand
Chemicals**

Cust-Product Code: CP-D1495P
Lot #: 2023072705

...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% | 37.2% |
| Color (APHA) | 10 max. | 0 |
| Residue After Ignition | 5 ppm max. | <5 ppm |
| Bromide (Br) | 0.005% max. | <0.005% |
| Sulfate (SO ₄) | 1 ppm max. | <0.1 ppm |
| Sulfite (SO ₃) | 1 ppm max. | <0.1 ppm |
| Free Chlorine (Cl ₂) | 1 ppm max. | <0.5 ppm |
| Ammonium (NH ₄) | 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 | 07/22/2023 |
| Recommended Retest Date | Report Actual | 07/21/2025 |
| 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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SUPPORT@CHEMPUREBRAND.COM - WWW.CHEMPUREBRAND.COM

ChemPure Brand Chemicals • P: 440.725.2802 • F: 734.405.6623 • 39103 Warren Rd., Westland, MI 48185