

## SPECIFICATION

### Hydrochloric Acid

| Parameters        | Specification                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------|
| CAS Number        | 7647-01-0                                                                                           |
| Appearance        | Colorless liquid; strong pungent odor.                                                              |
| Molecular Formula | HCl                                                                                                 |
| Molecular Weight  | 36.46 g/mol                                                                                         |
| Boiling Point     | -85.05 °C                                                                                           |
| Melting Point     | -114.22 °C                                                                                          |
| Flash Point       | Not applicable                                                                                      |
| Purity            | 37–38%                                                                                              |
| Refractive Index  | 1.36                                                                                                |
| Solubility        | Very soluble in water; forms aqueous hydrochloric acid                                              |
| Uses              | Metal pickling and cleaning; pH control and neutralization; chemical synthesis; laboratory reagents |

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