



# Product Specifications

PRODUCT NAME: Hydrochloric Acid  
NF/FCC/ACS

CHEMICAL FORMULA: HCl

Product Code: 257900-90000  
F.W.: 36.4600  
CAS No: 7647-01-0  
Density: 1.18

ITEM	SPECIFICATIONS
Appearance	Clear, colorless fuming liquid
Assay (HCl)	36.5-38.0%
Assay (HCl) Be'	22.7 deg Be' min.
Clarity of Solution	Free from suspended matter/sediment
Identification NF	To pass test
Identification FCC	To pass test
Color (APHA)	10 max.
Ammonium (NH4)	0.0003% max.
Arsenic (As)	10 ppb max.
Bromide or Iodide	To pass test
Free Bromine or Chlorine	To pass test
Free Chlorine (Cl2)	0.0001% max.
Heavy metals (by ICP-OES)	0.0001% max.
Iron (Fe)	0.00002% max
Reducing Substances	To pass test
Residue After Ignition	0.0005% max.
Specific Gravity at 60°F	Record only (approx. 1.17-1.20)
Sulfate (SO4)	0.0001% max.
Sulfite (SO3)	0.0001% max.
Total Organic Compounds	5 ppm max.
Organic Compounds - Benzene	0.05 ppm max.
Organic Compounds - Total fluorinated organic compounds	25 ppm max.
Mercury FCC	0.10 ppm max.
Lead (Pb) FCC/USP	1 mg/kg max.
Oxidizing substances (as Cl2)	0.003% max.
Manufacture Date	Record Actual
Expiration Date	Record Actual

**Remarks:**

This material meets National Formulary (NF) specifications.

The above are the specifications, ranges and limits set for this product.

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.

Document Print Date:  
12/22/2022

  
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Quality Assurance Manager

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