



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 (NH ₄)	0.0003% max.
Arsenic (As)	10 ppb max.
Bromide or Iodide	To pass test
Free Bromine or Chlorine	To pass test
Free Chlorine (Cl ₂)	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 (SO ₄)	0.0001% max.
Sulfite (SO ₃)	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 Cl ₂)	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.


Eddy Santiago
Quality Assurance Manager

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