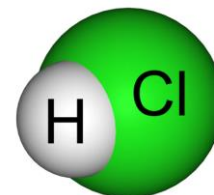


Specification

Hydrochloric acid (HCl)

High pure Analytical Reagent



Catalog No :	HP-100H	Exp :	6 months after Mfg.
CAS No :	7647-01-0	Packaging :	1000g in PFA Bottle
Grade :	High pure	Identified uses	Laboratory Reagent
Empirical Formula :	HCl	Description :	For Trace Metal Analysis
Density :	1.15 g/cm ³ (20 °C)	Storage Condition :	Store at 4~8°C

1. Chemical properties

Item	Spec.
Assay(acidimetric) (as HCl, %)	30±1.0
Color (APHA)	≤10
Particle (≥0.5um)	≤100

2. Cation traces

[Unit : ppt]

Element	Spec.
Al (Aluminum)	≤100
As (Arsenic)	≤100
Au (Gold)	≤100
Ba (Barium)	≤100
Be (Beryllium)	≤100
Bi (Bismuth)	≤100
Ca (Calcium)	≤100
Cd (Cadmium)	≤100
Co (Cobalt)	≤100
Cr (Chromium)	≤100
Cu (Copper)	≤100
Fe (Iron)	≤100
Ga (Gallium)	≤100
Ge (Germanium)	≤100
Hf (Hafnium)	≤100
Mg (Magnesium)	≤100
In (Indium)	≤100
K (Potassium)	≤100
Li (Lithium)	≤100
Mn (Manganese)	≤100

Na (Sodium)	≤100
Nb (Niobium)	≤100
Ni (Nickel)	≤100
Pb (Lead)	≤100
Pd (Palladium)	≤100
Pt (Platinum)	≤100
Sb (Antimony)	≤100
Se (Selenium)	≤100
Sn (Tin)	≤100
Sr (Strontium)	≤100
Ta (Tantalum)	≤100
Te (Tellurium)	≤100
Ti (Titanium)	≤100
Th (Thorium)	≤100
Tl (Thallium)	≤100
U (Uranium)	≤100
W (Tungsten)	≤100
Zn (Zinc)	≤100
V (Vanadium)	≤100
Zr (Zirconium)	≤100

ICP-MS: Determination after evaporation to dryness with ICP-MS

ICP-MS*: Determination with ICP-MS

GFAAS**: Determination with graphite furnace atomic absorption spectrometry

Actual analysis values are subject to unavoidable systematic variations in this concentration range. Each metallic impurity level guaranteed to be 10 ppt or less. Open and use in a clean environment of CLASS 10 or higher. This product is for laboratory analysis and research purpose only. Keep tightly capped and stored under the conditions stated above. Products are tested by validated methods specified in the manufacturer's quality system. The manufacturer warrants that its products shall conform to the description of such as provided in its catalog or on the specific product label. This warranty is exclusive, and the manufacturer makes no other warranty, express implied, including any implied warranty of merchantability of fitness for any particular purpose.

For use in laboratory analysis.
--