

SYSTEM
Specification

PRODUCT NAME : Hydrochloric Acid *fuming* 37%, ChemAR
CATALOGUE NUMBER : HY479-70
FORMULA : HCl
MOLECULAR WEIGHT : 36.46
CAS. NUMBER : [7647-01-0]

IMDG class : 8

UN No : 1789

Packaging group : II

HAZARD STATEMENT:

H314,H335

PRECAUTIONARY STATEMENT:

P280,P301+P330+P331,P305+P351+P338,P309+P310

Risiko (Risks):R34,R37

Keselamatan (Safety):S26,S36/37/39,S45,S60

Specification

Assay(acidimetric)	min. 37.0	%
Colour	max. 10	Hazen
Bromide(Br)	max. 50	ppm
Free Chlorine(Cl)	max. 0.5	ppm
Phosphate(PO ₄)	max. 0.5	ppm
Sulphate(SO ₄)	max. 0.5	ppm
Sulfite(SO ₃)	max. 1	ppm
Arsenic & Antimony(as As)	max. 0.01	ppm
Silver(Ag)	max. 0.02	ppm
Aluminium(Al)	max. 0.05	ppm
Gold(Au)	max.0.10	ppm
Boron(B)	max.0.05	ppm
Barium(Ba)	max. 0.05	ppm
Beryllium(Be)	max. 0.02	ppm
Bismuth(Bi)	max. 0.10	ppm
Calcium(Ca)	max. 0.50	ppm
Cadmium(Cd)	max. 0.05	ppm
Cobalt(Co)	max. 0.02	ppm
Chromium(Cr)	max. 0.02	ppm
Copper(Cu)	max. 0.02	ppm
Iron(Fe)	max. 0.20	ppm
Gallium(Ga)	max. 0.02	ppm
Indium(In)	max. 0.02	ppm
Potassium(K)	max. 0.10	ppm
Lithium(Li)	max. 0.02	ppm
Magnesium(Mg)	max. 0.10	ppm
Manganese(Mn)	max. 0.02	ppm
Molybdenum(Mo)	max. 0.05	ppm
Sodium(Na)	max. 0.50	ppm
Ammonium(NH ₄)	max. 2	ppm
Nickel(Ni)	max. 0.02	ppm
Lead(Pb)	max. 0.05	ppm
Platinum(Pt)	max. 0.20	ppm
Tin(Sn)	max. 0.10	ppm
Strontium(Sr)	max. 0.10	ppm
Titanium(Ti)	max. 0.10	ppm
Thallium(Tl)	max. 0.05	ppm
Vanadium(V)	max. 0.05	ppm
Zinc(Zn)	max. 0.10	ppm
Zirconium(Zr)	max. 0.10	ppm
Residue on ignition(as SO ₄)	max. 5	ppm
Melting point	-28	°C
Boiling point	~50	°C
Specific gravity	1.19	

