

Hydrochloric Acid 37% LM

Assay Parameter	Unit	Specification LM
Assay (HCl)	%	36.5-38.0%
Ammonium (NH ₄)	ppb	Max 500
Color	APHA	Max 7
Phosphate (PO ₄)	ppb	Max 50
Heavy Metals	ppb	Max 100
Bromide (Br)	ppb	Max 50000
Residue After Ignition	ppb	Max 3000
Sulfate (SO ₄)	ppb	Max 500
Sulfite (SO ₃)	ppb	Max 800
Aluminum (Al)	ppb	Max 50
Arsenic and Antimony (as As)	ppb	Max 5
Barium (Ba)	ppb	Max 10
Beryllium (Be)	ppb	Max 10
Bismuth (Bi)	ppb	Max 20
Boron (B)	ppb	Max 20
Calcium (Ca)	ppb	Max 50
Chromium (Cr)	ppb	Max 20
Cobalt (Co)	ppb	Max 10
Copper (Cu)	ppb	Max 10
Gallium (Ga)	ppb	Max 20
Germanium (Ge)	ppb	Max 20
Gold (Au)	ppb	Max 10
Indium (In)	ppb	Max 10
Iron (Fe)	ppb	Max 50
Lead (Pb)	ppb	Max 10
Lithium (Li)	ppb	Max 10
Magnesium (Mg)	ppb	Max 20
Manganese (Mn)	ppb	Max 10
Molybdenum (Mo)	ppb	Max 20
Nickel (Ni)	ppb	Max 10
Platinum (Pt)	ppb	Max 20
Potassium (K)	ppb	Max 20
Silver (Ag)	ppb	Max 10
Sodium (Na)	ppb	Max 50
Strontium (Sr)	ppb	Max 20
Titanium (Ti)	ppb	Max 20

Zinc (Zn)	ppb	Max 20
Zirconium (Zr)	ppb	Max 20
Particle Count, 0.5 um	ct/ml	Max 150
Particle Count, 1.0 um	ct/ml	Max 10

***LM – Low metal**

It is hereby certified that the above-mentioned product meets applicable testing, packaging, regulatory, and customer purchase order requirements. This includes, but is not limited to, chemical specifications and inspection of containers for packaging defects. The pertinent test and/or inspection records are on file.