



Product Datasheet

Product Name: Hydrofluoric Acid 49% LM
Product Description: Hydrofluoric Acid 49%
Shelf Life: 2 years

Assay Parameter	Unit	Specification LM Grade
Assay (HF)	%	48.8-49.2
Color (APHA)		Max 7
Fluosilicic Acid (H ₂ SiF ₆)	ppb	Max 50000
Chloride (Cl)	ppb	Max 5000
Nitrate (NO ₃)	ppb	Max 3000
Phosphate (PO ₄)	ppb	Max 500
Sulfate (SO ₄)	ppb	Max 1000
Sulfite (SO ₃)	ppb	Max 1000
Aluminum (Al)	ppb	Max 20
Arsenic and Antimony (as As)	ppb	Max 100
Barium (Ba)	ppb	Max 10
Beryllium (Be)	ppb	Max 10
Bismuth (Bi)	ppb	Max 20
Boron (B)	ppb	Max 20
Cadmium (Cd)	ppb	Max 10
Calcium (Ca)	ppb	Max 50
Chromium (Cr)	ppb	Max 10
Cobalt (Co)	ppb	Max 10
Copper (Cu)	ppb	Max 10
Gallium (Ga)	ppb	Max 10
Germanium (Ge)	ppb	Max 20
Gold (Au)	ppb	Max 20
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
Niobium (Nb)	ppb	Max 10
Potassium (K)	ppb	Max 20
Silicon (Si)	ppb	Max 10
Silver (Ag)	ppb	Max 10
Sodium (Na)	ppb	Max 50
Strontium (Sr)	ppb	Max 20
Tantalum (Ta)	ppb	Max 10
Thallium (Tl)	ppb	Max 20
Tin (Sn)	ppb	Max 20
Titanium (Ti)	ppb	Max 20



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Vanadium (V)	ppb	Max 10
Zinc (Zn)	ppb	Max 20
Zirconium (Zr)	ppb	Max 20
Particle Count, 0.5 μ m	ct/ml	Max 150
Particle Count, 1.0 μ m	ct/ml	Max 10
Particle Count, 0.2 μ m	ct/ml	

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.
