



Product Specifications

PRODUCT NAME: Hydrofluoric Acid 49%
SEMI

CHEMICAL FORMULA: HF

Product Code: 264200-90000
F.W.: 20.0100
CAS No: 7664-39-3
Density: 1.17

ITEM	SPECIFICATIONS
Manufacturer's Lot Number	
Appearance	Clear, colorless liquid
Assay (HF)	48.85 - 49.20%
Color (APHA)	6 max.
Chloride (Cl)	1,000.0 ppb max.
Nitrate (NO3)	1,000.0 ppb max.
Phosphate (PO4)	400.0 ppb max.
Sulfates (SO4)	500.0 ppb max.
Aluminum (Al)	10.0 ppb max
Antimony (Sb)	Record Actual
Arsenic (As)	Record Actual
Arsenic (As) & Antimony (Sb)	10.0 ppb max.
Barium (Ba)	5.0 ppb max.
Beryllium (Be)	5.0 ppb max.
Bismuth (Bi)	5.0 ppb max.
Boron (B)	10.0 ppb max.
Cadmium (Cd)	10.0 ppb max.
Calcium (Ca)	10.0 ppb max.
Chromium (Cr)	10.0 ppb max.
Cobalt (Co)	10.0 ppb max.
Copper (Cu)	10.0 ppb max.
Gallium (Ga)	10.0 ppb max.
Germanium (Ge)	10.0 ppb max.
Gold (Au)	5.0 ppb max.
Iron (Fe)	10.0 ppb max.
Lead (Pb)	10.0 ppb max.
Lithium (Li)	5.0 ppb max.
Magnesium (Mg)	10.0 ppb max.
Manganese (Mn)	10.0 ppb max.
Molybdenum (Mo)	10.0 ppb max.
Nickel (Ni)	10.0 ppb max.
Niobium (Nb)	Record Actual
Potassium (K)	10.0 ppb max.
Silver (Ag)	5.0 ppb max.
Sodium (Na)	10.0 ppb max.
Strontium (Sr)	10.0 ppb max.
Tantalum (Ta)	10.0 ppb max.
Thallium (Tl)	10.0 ppb max.
Tin (Sn)	10.0 ppb max.
Titanium (Ti)	10.0 ppb max.



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Vanadium (V)	10.0 ppb max.
Zinc (Zn)	10.0 ppb max.
Zirconium (Zr)	10.0 ppb max.
Fluosilicic acid (H ₂ SiF ₆)	50.0 ppm max.
Particles (>1.0 microns for bottled material)	25 particles/mL max.
Manufacture Date	Record Actual
Expiration Date	Record Actual


Remarks:

*Particle count certified for material in Teflon bottles only.

The above are the specifications, ranges and limits set for this product.

Disclaimer: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. However, nothing herein shall constitute any express or implied warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose.

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Eddy Santiago
Quality Assurance Manager

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