

# *Chem-Impex International, Inc.*

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## *Product Specifications*

# HF

<b>Catalogue Number</b>	32010
<b>Product</b>	<b>Hydrofluoric acid</b>
<b>CAS Number</b>	7664-39-3
<b>Molecular Formula</b>	HF
<b>Molecular Weight</b>	20.01

---

<b>Appearance</b>	Colorless and free from suspended matter or sediment
<b>Solubility</b>	Miscible (in aqueous solution)
<b>Density</b>	1.15
<b>Heavy Metals</b>	≤ 0.5 ppm (as Pb)
<b>Anion</b>	Chloride (Cl) : ≤ 5 ppm Phosphate (PO <sub>4</sub> ) : ≤ 1 ppm Sulfate and Sulfite (as SO <sub>4</sub> ) : ≤ 5 ppm
<b>Cation</b>	Arsenic (As) : ≤ 0.05 ppm Copper (Cu) : ≤ 0.1 ppm Iron (Fe) : ≤ 1 ppm
<b>pKa</b>	3.1
<b>Related Substances</b>	Fluosilicic Acid (H <sub>2</sub> SiF <sub>6</sub> ) : ≤ 0.01%
<b>Assay by titration</b>	48 - 51% (Acid-Base titration)
<b>Grade</b>	ACS Reagent
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	Residue after ignition : ≤ 5 ppm

**For Laboratory Use Only**