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## Product Specification

Product Name:  
Hydrofluoric acid – puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., ≥48%

Product Number: **30107**  
CAS Number: 7664-39-3

**HF**

Formula: HF  
Formula Weight: 20.01 g/mol

TEST	Specification
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Assay	≥ 48.0 %
Residue on Ignition (SO <sub>4</sub> )	≤ 0.0005 %
Chloride (Cl)	≤ 0.0001 %
Assay Hexafluorosilic acid (H <sub>2</sub> SiF <sub>6</sub> )	≤ 0.005 %
Phosphate (PO <sub>4</sub> )	≤ 0.00005 %
Sulfate (SO <sub>4</sub> )	≤ 0.0002 %
Sulfite (SO <sub>3</sub> )	≤ 0.0002 %
Silver (Ag)	≤ 0.000002 %
Aluminum (Al)	≤ 0.000005 %
Arsenic (As)	≤ 0.000005 %
Barium (Ba)	≤ 0.00001 %
Beryllium (Be)	≤ 0.000002 %
Bismuth (Bi)	≤ 0.00001 %
Calcium (Ca)	≤ 0.00005 %
Cadmium (Cd)	≤ 0.000001 %
Cobalt (Co)	≤ 0.000002 %
Chromium (Cr)	≤ 0.000002 %
Copper (Cu)	≤ 0.000002 %
Iron (Fe)	≤ 0.00002 %
Germanium (Ge)	≤ 0.000005 %
Potassium (K)	≤ 0.00001 %
Lithium (Li)	≤ 0.000002 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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Product Number: **30107**  
CAS Number: 7664-39-3

HF

Formula: HF  
Formula Weight: 20.01 g/mol

TEST	Specification
Magnesium (Mg)	≤ 0.00002 %
Manganese (Mn)	≤ 0.000005 %
Molybdenum (Mo)	≤ 0.000005 %
Sodium (Na)	≤ 0.00002 %
Nickel (Ni)	≤ 0.000002 %
Lead (Pb)	≤ 0.000005 %
Strontium (Sr)	≤ 0.000002 %
Titanium (Ti)	≤ 0.00001 %
Thallium (Tl)	≤ 0.000005 %
Vanadium (V)	≤ 0.000005 %
Zinc (Zn)	≤ 0.000005 %
Zirconium (Zr)	≤ 0.00001 %
Heavy Metals	≤ 0.00005 %
Appearance (Color)	Complying
Appearance (Form)	Complying
Recommended Retest Period	-----
20 months	

Note

Identity, assay and impurities are complying to the monographs of the above mentioned pharmacopeias/codices.

Specification: PRD.0.ZQ5.10000079687

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