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## Product Specification

Product Name:  
Hydrofluoric acid – 48 wt. % in H<sub>2</sub>O, ≥99.99% trace metals basis

Product Number: 339261  
CAS Number: 7664-39-3

HF

Formula: HF  
Formula Weight: 20.01 g/mol

TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Titration with NaOH wt% HF	46.00 - 50.00 %
Purity > = 99.99% Based on Trace Metals Analysis	Meets Requirements
Trace Metal Analysis	≤ 100.0 ppm
Silver (Ag)	
Aluminum (Al)	
Arsenic (As)	
Boron (B)	
Barium (Ba)	
Beryllium (Be)	
Bismuth (Bi)	
Calcium (Ca)	
Cadmium (Cd)	
Cobalt (Co)	
Chromium (Cr)	
Copper (Cu)	
Iron (Fe)	
Iridium (Ir)	
Potassium (K)	
Lithium (Li)	
Magnesium (Mg)	
Manganese (Mn)	

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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### TEST

### Specification

Molybdenum (Mo)

Sodium (Na)

Nickel (Ni)

Lead (Pb)

Palladium (Pd)

Platinum (Pt)

Antimony (Sb)

Tin (Sn)

Strontium (Sr)

Titanium (Ti)

Vanadium (V)

Tungsten (W)

Zinc (Zn)

Zirconium (Zr)

Specification: PRD.0.ZQ5.10000087974

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