



Product Specification

HYDROFLUORIC ACID EL GRADE

PRODUCT CODE	744120
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	7664-39-3
ATOMIC OR MOLECULAR FORMULA	HF
ATOMIC OR MOLECULAR WEIGHT	20.01
PROPERTIES	It attacks glass or stoneware, dissolving the silica.

HF

PARAMETER	LIMIT
Description	A clear colourless liquid not more than 10Hazen units.
Solubility	Miscible with water forming clear & colourless solution.
Assay (acidimetric)	40.0-42.0%

MAXIMUM LIMIT OF IMPURITIES

Chlorides (Cl)	5 ppm
Nitrates (NO ₃)	3 ppm
Phosphates (PO ₄)	1 ppm
Sulphates (SO ₄)	5 ppm
Fluorosilicic acid (H ₂ SiF ₆)	50 ppm
Aluminium (Al)	10 ppb
Barium (Ba)	10 ppb
Cadmium(Cd)	10 ppb
Calcium(Ca)	10 ppb
Chromium (Cr)	10 ppb
Cobalt (Co)	10 ppb
Copper (Cu)	10 ppb
Iron (Fe)	10 ppb
Lead (Pb)	10 ppb
Magnesium (Mg)	10 ppb
Molybdenum (Mo)	10 ppb
Manganese (Mn)	10 ppb
Nickel (Ni)	10 ppb
Strontium (Sr)	10 ppb
Zinc (Zn)	10 ppb



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Potassium (K)	10 ppb
Sodium (Na)	10 ppb
Beryllium (Be)	5 ppb
Bismuth (Bi)	5 ppb
Boron (B)	10 ppb
Gallium (Ga)	10 ppb
Germanium (Ge)	10 ppb
Gold (Au)	5 ppb
Lithium (Li)	5 ppb
Silver (Ag)	5 ppb
Tin (Sn)	10 ppb
Titanium (Ti)	10 ppb
Vanadium (V)	10 ppb
Zirconium (Zr)	10 ppb
Particles >0.50 m/ml	150

Important : After use tighten the cap properly.

Note(s) : 1] Assay (if applicable) method mentioned.

DANGER

HAZARD STATEMENTS : Fatal in contact with skin. Fatal if inhaled. Fatal if swallowed. May be corrosive to metals/
Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS : ---

Response : --

IMDG Code : 8/1
UN No. : 1790
IATA : 8

Disposal : Chemical to be disposed should be added to large excess of 2% sodium hydroxide solution in a fume extraction hood. Allow hydrolysis to complete for at least 48 hours(pH<9). After neutralization, flush it to drain with large amounts of water.

Hazard Pictogram(s) :



Acute toxicity



Corrosive to metals