



Product Specification

cdhfinechemical.com

HYDROFLUORIC ACID ULTRAPURE (HYDROGEN FLUORIDE; HF)

PRODUCT CODE	H28081	
SYNONYMS	N/A	
C.I. NO.	N/A	
CASR NO.	7664-39-3	
ATOMIC OR MOLECULAR FORMULA	HF	
ATOMIC OR MOLECULAR WEIGHT	20.01	HF
PROPERTIES	It attacks glass or stoneware, dissolving the silica.	
PARAMETER	LIMIT	
Description	A clear liquid with an acrid vapour.	
Solubility	Miscible with water forming clear & colourless solution.	
Assay (acidimetric)	50.0-52.0%	
MAXIMUM LIMIT OF IMPURITIES		
Colour scale	10 APHA	
Chloride (Cl)	1 ppm	
Sulphate & sulphite (as SO ₄)	1 ppm	
Phosphate (PO ₄)	1 ppm	
Silver (Ag)	1 ppb	
Aluminium (Al)	5 ppb	
Arsenic (As)	5 ppb	
Gold (Au)	1 ppb	
Barium (Ba)	1 ppb	
Beryllium (Be)	1 ppb	
Bismuth (Bi)	1 ppb	
Calcium (Ca)	10 ppb	
Cadmium (Cd)	1 ppb	
Cobalt (Co)	1 ppb	
Chromium (Cr)	1 ppb	
Cesium (Cs)	1 ppb	
Copper (Cu)	1 ppb	
Iron (Fe)	10 ppb	
Gallium (Ga)	1 ppb	
Germanium (Ge)	1 ppb	
Indium (In)	1 ppb	
Potassium (K)	10 ppb	



Product Specification

cdhfinechemical.com

Lithium (Li)	1 ppb
Magnesium (Mg)	5 ppb
Manganese (Mn)	1 ppb
Molybdenum (Mo)	1 ppb
Sodium (Na)	10 ppb
Nickel (Ni)	1 ppb
Lead (Pb)	2 ppb
Rubidium (Rb)	1 ppb
Selenium (Se)	10 ppb
Tin (Sn)	1 ppb
Strontium (Sr)	1 ppb
Titanium (Ti)	5 ppb
Thallium (Tl)	1 ppb
Vanadium (V)	1 ppb
Zinc (Zn)	2 ppb
Zirconium (Zr)	1 ppb

Important : After use tighten the cap properly.

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

DANGER

Hazard statements: Toxic if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention: Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust or mist.

Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage.

Disposal : Dispose of contents and container in accordance with relevant legislation.

MDG Code : 6.1 (8)/II
UN No. : 1790B
IATA : 6.1 (8)

Hazard Pictogram(s) :



GHS05



GHS06