

SPECIFICA TECNICA
TC69110 ACIDO FLUORIDRICO 47% HIGH PURITY
REV.01 DEL 02/08/21

Nome prodotto		ACIDO FLUORIDRICO 47% HIGH PURITY			
Codice prodotto		TC69110			
Formula – m.m. - C.A.S.		HF - 20,01 – 7664-39-3			
SPECIFICHE TECNICHE					
Aspetto		Liquido incolore			
Titolo		47 ÷ 51 % p/p			
Acido fluorosilicico	≤ 20 ppm	Germanio (Ge)	≤ 0.1 ppb	Rubidio (Rb)	≤0.1 ppb
Cloruri (Cl)	≤ 4 ppm	Oro (Au)	≤0.2 ppb	Rutenio (Ru)	≤0.1 ppb
Zolfo totale (S)	≤ 0.1 ppm	Afnio (Hf)	≤0.1 ppb	Samario (Sm)	≤0.1 ppb
Fosforo totale (P)	≤ 0.05 ppm	Olmio (Ho)	≤0.1 ppb	Scandio (Sc)	≤0.1 ppb
Alluminio (Al)	≤1.0 ppb	Indio (In)	≤0.1 ppb	Selenio (Se)	≤1.0 ppb
Antimonio (Sb)	≤0.2 ppb	Ferro (Fe)	≤1.0 ppb	Argento (Ag)	≤0.5 ppb
Arsenico (As)	≤0.5 ppb	Lantanio (La)	≤0.1 ppb	Sodio (Na)	≤1.0 ppb
Bario (Ba)	≤0.1 ppb	Piombo (Pb)	≤0.1 ppb	Stronzio (Sr)	≤0.1 ppb
Berillio (Be)	≤0.1 ppb	Litio (Li)	≤0.1 ppb	Tellurio (Te)	≤0.1 ppb
Bismuto (Bi)	≤0.1 ppb	Lutezio (Lu)	≤0.1 ppb	Terbio (Tb)	≤0.1 ppb
Boro (B)	≤ 1.0 ppb	Magnesio (Mg)	≤1.0 ppb	Tallio (Tl)	≤0.1 ppb
Cadmio (Cd)	≤0.1 ppb	Manganese (Mn)	≤0.1 ppb	Torio (Th)	≤0.1 ppb
Calcio (Ca)	≤1.0 ppb	Mercurio (Hg)	≤1.0 ppb	Tulio (Tm)	≤0.1 ppb
Cerio (Ce)	≤0.1 ppb	Molibdeno (Mo)	≤0.1 ppb	Stagno (Sn)	≤0.5 ppb
Cesio (Cs)	≤0.1 ppb	Neodimio (Nd)	≤0.1 ppb	Titanio (Ti)	≤1.0 ppb
Cromo (Cr)	≤1.0 ppb	Nichel (Ni)	≤0.5 ppb	Tungsteno (W)	≤0.5 ppb
Cobalto (Co)	≤0.1 ppb	Niobio (Nb)	≤ 0.1 ppb	Uranio (U)	≤0.1 ppb
Rame (Cu)	≤0.5 ppb	Palladio (Pd)	≤ 0.2 ppb	Vanadio (V)	≤0.1 ppb
Disprosio (Dy)	≤0.1 ppb	Platino (Pt)	≤0.2 ppb	Itterbio (Yb)	≤0.1 ppb
Erbio (Er)	≤0.1 ppb	Potassio (K)	≤1.0 ppb	Ittrio (Y)	≤0.1 ppb
Europio (Eu)	≤0.1 ppb	Praseodimio (Pr)	≤0.1 ppb	Zinco (Zn)	≤1.0 ppb
Gadolinio (Gd)	≤0.1 ppb	Renio (Re)	≤0.1 ppb	Zirconio (Zr)	≤0.1 ppb
Gallio (Ga)	≤0.1 ppb	Rodio (Rh)	≤0.1 ppb		
DATI DI SPECIFICA DEL FORNITORE					
DOCUMENTO EMESSO A MEZZO COMPUTER E PERTANTO NON FIRMATO					

TECHNICAL DATA SHEET
TC69110 HYDROFLUORIC ACID 47% HIGH PURITY
REV.01 - 02/08/21

Product name		HYDROFLUORIC ACID 47% HIGH PURITY			
Product code		TC69110			
Formula - m.m. - C.A.S.		HF - 20,01 - 7664-39-3			
TECHNICAL SPECIFICATIONS					
Appearance		Colorless liquid			
Assay		47 ÷ 51 % w/w			
Fluorosilicic acid	≤ 20 ppm	Germanium (Ge)	≤ 0.1 ppb	Rubidium (Rb)	≤0.1 ppb
Chlorides (Cl ⁻)	≤ 4 ppm	Gold (Au)	≤0.2 ppb	Ruthenium (Ru)	≤0.1 ppb
Total Sulfur (S)	≤ 0.1 ppm	Hafnium (Hf)	≤0.1 ppb	Samarium (Sm)	≤0.1 ppb
Total Phosphorus (P)	≤ 0.05 ppm	Holmium (Ho)	≤0.1 ppb	Scandium (Sc)	≤0.1 ppb
Aluminum (Al)	≤1.0 ppb	Indium (In)	≤0.1 ppb	Selenium (Se)	≤1.0 ppb
Antimony (Sb)	≤0.2 ppb	Iron (Fe)	≤1.0 ppb	Silver (Ag)	≤0.5 ppb
Arsenic (As)	≤0.5 ppb	Lanthanum (La)	≤0.1 ppb	Sodium (Na)	≤1.0 ppb
Barium (Ba)	≤0.1 ppb	Lead (Pb)	≤0.1 ppb	Strontium (Sr)	≤0.1 ppb
Beryllium (Be)	≤0.1 ppb	Lithium (Li)	≤0.1 ppb	Tellurium (Te)	≤0.1 ppb
Bismuth (Bi)	≤0.1 ppb	Lutetium (Lu)	≤0.1 ppb	Terbium (Tb)	≤0.1 ppb
Boron (B)	≤ 1.0 ppb	Magnesium (Mg)	≤1.0 ppb	Thallium (Tl)	≤0.1 ppb
Cadmium (Cd)	≤0.1 ppb	Manganese (Mn)	≤0.1 ppb	Thorium (Th)	≤0.1 ppb
Calcium (Ca)	≤1.0 ppb	Mercury (Hg)	≤1.0 ppb	Thulium (Tm)	≤0.1 ppb
Cerium (Ce)	≤0.1 ppb	Molybdenum (Mo)	≤0.1 ppb	Tin (Sn)	≤0.5 ppb
Cesium (Cs)	≤0.1 ppb	Neodymium (Nd)	≤0.1 ppb	Titanium (Ti)	≤1.0 ppb
Chromium (Cr)	≤1.0 ppb	Nickel (Ni)	≤0.5 ppb	Tungsten (W)	≤0.5 ppb
Cobalt (Co)	≤0.1 ppb	Niobium (Nb)	≤ 0.1 ppb	Uranium (U)	≤0.1 ppb
Copper (Cu)	≤0.5 ppb	Palladium (Pd)	≤ 0.2 ppb	Vanadium (V)	≤0.1 ppb
Dysprosium (Dy)	≤0.1 ppb	Platinum (Pt)	≤0.2 ppb	Ytterbium (Yb)	≤0.1 ppb
Erbium (Er)	≤0.1 ppb	Potassium (K)	≤1.0 ppb	Yttrium (Y)	≤0.1 ppb
Europium (Eu)	≤0.1 ppb	Praseodymium (Pr)	≤0.1 ppb	Zinc (Zn)	≤1.0 ppb
Gadolinium (Gd)	≤0.1 ppb	Rhenium (Re)	≤0.1 ppb	Zirconium (Zr)	≤0.1 ppb
Gallium (Ga)	≤0.1 ppb	Rhodium (Rh)	≤0.1 ppb		
SUPPLIER SPECIFICATION DATA					
DOCUMENT ISSUED BY COMPUTER AND THEREFORE NOT SIGNED					