



# Specification Report

Printed on: 5-Nov-12

## 428-064003 Standard

Item Code: 428-064003  
Description: Hydrofluoric Acid 49% Cleanroom® MB  
Container: POLY BOTTLE  
Approved on: 21-Oct-2010

Ship to: 428-064003 Standard  
Specification: Standard  
Revision: 2  
Part Number: 428-064003

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Assay (HF)	48.80	49.20	%
Color		7	APHA
Appearance			
Fluosilicic Acid		50	ppm
Chloride (Cl)		2,000	ppb
Nitrate (NO3)		1,000	ppb
Phosphate (PO4)		400	ppb
Sulfate (SO4)		500	ppb
Aluminum (Al)		10.0	ppb
Antimony (Sb)		5.0	ppb
Arsenic (As)		5.0	ppb
Barium (Ba)		10.0	ppb
Beryllium (Be)		5.0	ppb
Bismuth (Bi)		5.0	ppb
Boron (B)		10.0	ppb
Cadmium (Cd)		10.0	ppb
Calcium (Ca)		10.0	ppb
Chromium (Cr)		10.0	ppb
Cobalt (Co)		10.0	ppb
Copper (Cu)		10.0	ppb

<u>Parameter</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>
Gallium (Ga)		10.0	ppb
Germanium (Ge)		10.0	ppb
Gold (Au)		5.0	ppb
Iron (Fe)		10.0	ppb
Lead (Pb)		10.0	ppb
Lithium (Li)		5.0	ppb
Magnesium (Mg)		10.0	ppb
Manganese (Mn)		10.0	ppb
Molybdenum (Mo)		10.0	ppb
Nickel (Ni)		10.0	ppb
Niobium (Nb)		10.0	ppb
Potassium (K)		10.0	ppb
Silver (Ag)		5.0	ppb
Sodium (Na)		10.0	ppb
Strontium (Sr)		10.0	ppb
Tantalum (Ta)		10.0	ppb
Thallium (Tl)		10.0	ppb
Tin (Sn)		10.0	ppb
Titanium (Ti)		10.0	ppb
Vanadium (V)		10.0	ppb
Zinc (Zn)		10.0	ppb
Zirconium (Zr)		10.0	ppb
0.5µ Particle Count		10	par/ml
1.0µ Particle Count		2	par/ml