

Product Specification

Test	Specification
Assay (HF) (by acidimetry)	48.8 – 49.2 %
Color (APHA)	≤ 7
Fluosilicic Acid (H ₂ SiF ₆)	≤ 50 ppm
Residue after Ignition	≤ 4 ppm
Chloride (Cl)	≤ 2 ppm
Nitrate (NO ₃)	≤ 1 ppm
Phosphate (PO ₄)	≤ 0.4 ppm
Arsenic and Antimony (as As)	≤ 0.010 ppm
Sulfate and Sulfite (as SO ₄)	≤ 500 ppb
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb
Trace Impurities – Barium (Ba)	≤ 3.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 1.0 ppb
Trace Impurities – Boron (B)	≤ 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 10.0 ppb
Trace Impurities – Chromium (Cr)	≤ 5.0 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 5.0 ppb
Trace Impurities – Gallium (Ga)	≤ 2.0 ppb
Trace Impurities – Germanium (Ge)	≤ 5.0 ppb
Trace Impurities – Gold (Au)	≤ 1.0 ppb
Trace Impurities – Iron (Fe)	≤ 10.0 ppb
Trace Impurities – Lead (Pb)	≤ 5.0 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 5.0 ppb
Trace Impurities – Manganese (Mn)	≤ 10 ppb
Trace Impurities – Molybdenum (Mo)	≤ 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 5.0 ppb

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Test	Specification
Trace Impurities – Niobium (Nb)	≤ 2.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 5.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 3.0 ppb
Trace Impurities – Thallium (Tl)	≤ 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb
Trace Impurities – Titanium (Ti)	≤ 5.0 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 30 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml

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Hydrofluoric Acid, 49%
Finyte®



Material No.: 5824-06

Test

Specification

For Microelectronic Use

Packaging Site: Paris Mfg Ctr & DC

A handwritten signature in blue ink that reads 'Jamie Ethier'.

Jamie Ethier
Vice President Global Quality

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700
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