Aluminum Etch 80-15-3-2
CMOS

Material No.: 5459-05
Revision No.: 0

Product Specification

Test	Specification
Phosphoric Acid (H_3PO_4)(w/w)	72.5 - 74.5 %
Nitric Acid (HNO_3)(w/w)	1.7 - 2.3 %
Acetic Acid (CH_3COOH)(w/w)	9.5 - 10.5 %
Antimony (Sb)	≤ 15.000 ppm
Calcium (Ca)	≤ 15 ppm
Chloride (Cl)	≤ 3 ppm
Sodium (Na)	≤ 10.000 ppm
Sulfate (SO_4)	≤ 20 ppm
Insoluble Matter	≤ 50 ppm
Arsenic (As)	≤ 0.200 ppm
Trace Impurities - Copper (Cu)	≤ 1 ppm
Trace Impurities - ACS - Heavy Metals (as Pb)	≤ 5 ppm
Trace Impurities - Iron (Fe)	≤ 6.000 ppm
Trace Impurities - Lithium (Li)	≤ 0.300 ppm
Trace Impurities - Magnesium (Mg)	≤ 2.000 ppm
Trace Impurities - Manganese (Mn)	≤ 0.200 ppm
Trace Impurities - Nickel (Ni)	≤ 1.000 ppm
Trace Impurities - Potassium (K)	≤ 6.000 ppm
Trace Impurities - Strontium (Sr)	≤ 2.000 ppm
Particle Count - 1.0 µm and greater	≤ 25 par/ml

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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For Microelectronic Use
Reported value is the average of all samples counted for this lot number,with no individual sample value exceeding the specification.
NOTE: Bottle will discolor with age.

Packaging Site: Paris Mfg Ctr & DC