Phosphoric Acid, 85%
VLSI
(orthophosphoric acid)

Material No.: 5372-05
:
Revision No.: 0

Product Specification

Test	Specification
Assay (H_3PO_4) (by acidimetry)	85,0 - 87,0 %
Color (APHA)	≤ 10
Specific Gravity at 60°/60°F	1,691 - 1,710
Reducing Substances	Passes Test
Volatile Acids (µeq/g)	≤ 0,16
Chloride (Cl)	≤ 1,0 ppm
Nitrate (NO_3)	≤ 2 ppm
Sulfate (SO_4)	≤ 12 ppm
Trace Impurities - Aluminum (Al)	≤ 0,500 ppm
Trace Impurities - Antimony (Sb)	≤ 10,000 ppm
Trace Impurities - Arsenic (As)	≤ 0,050 ppm
Trace Impurities - Calcium (Ca)	≤ 1,500 ppm
Trace Impurities - Chromium (Cr)	≤ 0,200 ppm
Trace Impurities - Cobalt (Co)	≤ 0,050 ppm
Trace Impurities - Copper (Cu)	≤ 0,050 ppm
Trace Impurities - Gold (Au)	≤ 0,300 ppm
Trace Impurities - ACS - Heavy Metals (as Pb)	≤ 5 ppm
Trace Impurities - Iron (Fe)	≤ 2,0 ppm
Trace Impurities - Lead (Pb)	≤ 0,300 ppm
Trace Impurities - Lithium (Li)	≤ 0,100 ppm
Trace Impurities - Magnesium (Mg)	≤ 0,20 ppm
Trace Impurities - Manganese (Mn)	≤ 0,100 ppm
Trace Impurities - Nickel (Ni)	≤ 0,200 ppm
Trace Impurities - Potassium (K)	≤ 1,500 ppm
Trace Impurities - Sodium (Na)	≤ 2,500 ppm
Trace Impurities - Strontium (Sr)	≤ 0,100 ppm
Trace Impurities - Titanium (Ti)	≤ 0,300 ppm
Trace Impurities - Zinc (Zn)	≤ 2,000 ppm

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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

Phosphoric Acid, 85%
VLSI
(orthophosphoric acid)

Material No.: 5372-05

Test	Specification
Particle Count - 0.5 µm and greater	≤ 150 par/ml
Particle Count - 1.0 µm and greater	≤ 10 par/ml

For Microelectronic Use
Reported value is the average of all samples counted for this lot number, with no individual sample value exceeding the specification.
For additional information, go to www.askavantor.com. Search keywords "freezing" and product name.
Storage Condition: Store at temperatures above 22°C (72°F)

Packaging Site: Phillipsburg Mfg Ctr & DC

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