

Phosphoric Acid, 85%
CMOS

(orthophosphoric acid)



Material No.: 0264-05
Batch No.: 0000000529
Manufactured Date: 2012/04/23

Certificate of Analysis

Test	Specification	Result
Assay (H ₃ PO ₄) (by acidimetry)	85.0 – 87.0 %	86.6
Color (APHA)	≤ 10	5
Color after Heating	Passes Test	PT
Specific Gravity at 60°/60°F	1.691 – 1.710	1.701
Reducing Substances	Passes Test	PT
Volatile Acids (μeq/g)	≤ 0.16	0.16
Chloride (Cl)	≤ 1 ppm	< 1
Nitrate (NO ₃)	≤ 2 ppm	< 2
Sulfate (SO ₄)	≤ 12 ppm	< 4
Trace Impurities – Aluminum (Al)	≤ 0.5 ppm	< 0.0
Trace Impurities – Antimony (Sb)	≤ 10 ppm	< 0
Trace Impurities – Arsenic (As)	≤ 0.05 ppm	< 0.03
Trace Impurities – Calcium (Ca)	≤ 1.5 ppm	< 0.2
Trace Impurities – Chromium (Cr)	≤ 0.2 ppm	< 0.0
Trace Impurities – Cobalt (Co)	≤ 0.05 ppm	< 0.01
Trace Impurities – Copper (Cu)	≤ 0.05 ppm	< 0.01
Trace Impurities – Gold (Au)	≤ 0.3 ppm	< 0.0
Heavy Metals (as Pb)	≤ 5 ppm	< 3
Trace Impurities – Iron (Fe)	≤ 2 ppm	< 0
Trace Impurities – Lead (Pb)	≤ 0.3 ppm	< 0.0
Trace Impurities – Lithium (Li)	≤ 0.1 ppm	< 0.0
Trace Impurities – Magnesium (Mg)	≤ 0.2 ppm	< 0.0
Trace Impurities – Manganese (Mn)	≤ 0.1 ppm	< 0.0
Trace Impurities – Nickel (Ni)	≤ 0.2 ppm	< 0.0

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Trace Impurities –Potassium (K)	<= 1.5 ppm	0.0
Trace Impurities –Sodium (Na)	<= 2.5 ppm	<0.0
Trace Impurities –Strontium (Sr)	<= 0.1 ppm	<0.0
Trace Impurities –Titanium (Ti)	<= 0.3 ppm	<0.0
Trace Impurities –Zinc (Zn)	<= 2 ppm	<0
Particle Count –1.0 µm and greater	<= 10 par/ml	3

For Microelectronic Use

Storage Conditions:

Country of Origin: US

Packaging Site: Paris Mfg Ctr & DC

ISO

Phillipsburg, NJ 9001.2008, 14001.2004
Paris, KY 9001.2008
Mexico city, Mexico 9001.2008
Deventer, The Netherlands 9001.2008, 14001.2004
Selangor, Malaysia 9001.2008
Panoli, India 9001.2008
Gliwice, Poland 9001.2008, 17025.2005



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