Acetone VLSI





Material No.: 5356-05 Batch No.: 0000079530 Manufactured Date: 2014/05/14 Retest Date: 2019/05/13

Certificate of Analysis

Test	Specification	Result
Assay ((CH3)2CO) (by GC, corrected for water)	>= 99.5 %	99.7
Color (APHA)	<= 10	5
Residue after Evaporation	<= 5 ppm	< 1
Acidity (µeq/g)	<= 0.3	0.2
Alkalinity (µeq/g)	<= 0.5	< 0.1
Nater (H2O)	<= 0.5 %	0.2
Solubility in H2O	Passes Test	РТ
Chloride (Cl)	<= 0.2 ppm	< 0.1
Phosphate (PO4)	<= 0.05 ppm	< 0.05
Frace Impurities – Aluminum (Al)	<= 50.0 ppb	< 5.0
Arsenic and Antimony (as As)	<= 5 ppb	< 5
Frace Impurities – Barium (Ba)	<= 20.0 ppb	< 1.0
Frace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Frace Impurities – Calcium (Ca)	<= 25.0 ppb	1.9
Frace Impurities – Chromium (Cr)	<= 20.0 ppb	< 1.0
Frace Impurities – Copper (Cu)	<= 10.0 ppb	< 1.0
Frace Impurities – Gold (Au)	<= 20.0 ppb	< 5.0
Frace Impurities – Iron (Fe)	<= 20.0 ppb	1.7
Frace Impurities – Lead (Pb)	<= 20.0 ppb	< 10.0
Frace Impurities – Lithium (Li)	<= 50.0 ppb	< 1.0
Frace Impurities – Magnesium (Mg)	<= 20.0 ppb	< 1.0
Frace Impurities – Manganese (Mn)	<= 10.0 ppb	< 1.0
Frace Impurities – Nickel (Ni)	<= 10.0 ppb	< 5.0
Frace Impurities – Potassium (K)	<= 50.0 ppb	< 10.0

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600 Avantor ™ Performance Materials Inc.

3477 Corporate Parkway. Suite #200. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 50.0 ppb	< 5.0
Trace Impurities – Tin (Sn)	<= 50.0 ppb	< 10.0
Trace Impurities – Titanium (Ti)	<= 20.0 ppb	< 1.0
Trace Impurities – Zinc (Zn)	<= 50.0 ppb	< 1.0
Particle Count – 0.5 µm and greater	<= 60 par/ml	13
Particle Count - 1.0 µm and greater	<= 8 par/ml	3

For Microelectronic Use

Reported value is the average of all samples counted for this lot number, with no individual sample value exceeding the specification.

Country of Origin:	US
Packaging Site:	Paris Mfg Ctr & DC



Phillipsburg, NJ 9001:2008, 14001:2004 Paris, KY 9001:2008 Mexico City, Mexico 9001:2008 Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003 Gliwice, Poland 9001:2008, 17025:2005 Selangor, Malaysia 9001:2008 Dehradun, India, 9001:2008, 14001:2004, 13485:2003 Mumbai, India, 9001:2008, 17025:2005 Panoli, India 9001:2008

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Richard M Siberski Vice President Global Quality

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