Acetone CMOS





Material No.: 9005-68 Batch No.: 0000230782 Manufactured Date: 2019/05/06 Retest Date: 2024/05/04 Revision No: 1

## Certificate of Analysis

Test	Specification	Result
Assay ((CH3)2CO) (by GC, corrected for water)	>= 99.5 %	99.8
Color (APHA)	<= 10	< 5
Residue after Evaporation	<= 5 ppm	1
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.5	< 0.1
Water (H2O)	<= 0.5 %	0.2
Solubility in H2O	Passes Test	РТ
Chloride (Cl)	<= 0.2 ppm	< 0.2
Phosphate (PO4)	<= 0.05 ppm	< 0.05
Trace Impurities – Aluminum (Al)	<= 50.0 ppb	< 5.0
Arsenic and Antimony (as As)	<= 5 ppb	< 5
Trace Impurities – Barium (Ba)	<= 20.0 ppb	< 1.0
Trace Impurities – Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities – Bismuth (Bi)	<= 20.0 ppb	< 10.0
Trace Impurities – Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 10.0 ppb	< 1.0
Trace Impurities – Calcium (Ca)	<= 25.0 ppb	1.1
Trace Impurities – Chromium (Cr)	<= 10.0 ppb	< 1.0
Trace Impurities – Cobalt (Co)	<= 10.0 ppb	< 1.0
Trace Impurities – Copper (Cu)	<= 10.0 ppb	< 1.0
Trace Impurities – Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities – Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities – Gold (Au)	<= 20.0 ppb	< 5.0
Trace Impurities – Iron (Fe)	<= 20.0 ppb	< 1.0

For questions on this Certificate of Analysis 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

Test	Specification	Result
Frace Impurities - Lead (Pb)	<= 10.0 ppb	< 10.0
Frace Impurities – Lithium (Li)	<= 10.0 ppb	< 1.0
Frace Impurities – Magnesium (Mg)	<= 20.0 ppb	< 1.0
Frace Impurities – Manganese (Mn)	<= 10.0 ppb	< 1.0
Frace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Frace Impurities – Nickel (Ni)	<= 10.0 ppb	< 5.0
Frace Impurities – Niobium (Nb)	<= 50.0 ppb	< 1.0
Frace Impurities – Potassium (K)	<= 10.0 ppb	< 10.0
Frace Impurities – Silicon (Si)	<= 50.0 ppb	< 10.0
Frace Impurities – Silver (Ag)	<= 10.0 ppb	< 1.0
Frace Impurities – Sodium (Na)	<= 10.0 ppb	< 5.0
Frace Impurities – Strontium (Sr)	<= 10.0 ppb	< 1.0
Frace Impurities – Tantalum (Ta)	<= 50.0 ppb	< 5.0
Frace Impurities – Thallium (TI)	<= 10.0 ppb	< 5.0
Frace Impurities – Tin (Sn)	<= 20.0 ppb	< 10.0
Frace Impurities – Titanium (Ti)	<= 10.0 ppb	< 1.0
Frace Impurities – Vanadium (V)	<= 10.0 ppb	< 1.0
Frace Impurities – Zinc (Zn)	<= 20.0 ppb	< 1.0
Frace Impurities – Zirconium (Zr)	<= 10.0 ppb	< 1.0
Particle Count – 0.5 µm and greater (Rion KS42AF)	<= 100 par/ml	9
Particle Count – 1.0 µm and greater (Rion KS42AF)	<= 8 par/ml	4

For Microelectronic Use

Country of Origin:USPackaging Site:Paris Mfg Ctr & DC

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