

Acetone  
VLSI



Material No.: 5356-05

Batch No.: 24J2361026

Manufactured Date: 2024-10-17

Retest Date: 2029-10-16

Revision No.: 0

## Certificate of Analysis

Test	Specification	Result
Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water)	>= 99.5 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 5 ppm	<1 ppm
Acidity (µeq/g)	<= 0.3	0.1
Alkalinity (µeq/g)	<= 0.5	0.1
Water (H <sub>2</sub> O)	<= 0.5 %	<0.1 %
Solubility in H <sub>2</sub> O	Passes Test	Passes Test
Chloride (Cl)	<= 0.2 ppm	<0.2 ppm
Phosphate (PO <sub>4</sub> )	<= 0.05 ppm	<0.05 ppm
Trace Impurities – Aluminum (Al)	<= 50.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 5.0 ppb	<5.0 ppb
Trace Impurities – Barium (Ba)	<= 20.0 ppb	<1.0 ppb
Trace Impurities – Boron (B)	<= 20.0 ppb	<5.0 ppb
Trace Impurities – Calcium (Ca)	<= 25.0 ppb	6.9 ppb
Trace Impurities – Chromium (Cr)	<= 20.0 ppb	<1.0 ppb
Trace Impurities – Copper (Cu)	<= 10.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 20 ppb	<5 ppb
Trace Impurities – Iron (Fe)	<= 20.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 20.0 ppb	<10.0 ppb
Trace Impurities – Lithium (Li)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Magnesium (Mg)	<= 20 ppb	<1 ppb
Trace Impurities – Manganese (Mn)	<= 10.0 ppb	<1.0 ppb
Trace Impurities – Nickel (Ni)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Potassium (K)	<= 50 ppb	<10 ppb
Trace Impurities – Sodium (Na)	<= 50.0 ppb	<5.0 ppb
Trace Impurities – Tin (Sn)	<= 50 ppb	<10 ppb
Trace Impurities – Titanium (Ti)	<= 20 ppb	<1 ppb
Trace Impurities – Zinc (Zn)	<= 50 ppb	3 ppb

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

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Test	Specification	Result
Particle Count – 0.5 µm and greater	<= 60 par/ml	3 par/ml
Particle Count – 1.0 µm and greater	<= 8 par/ml	1 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.

Country of Origin: United States

Packaging Site: Paris Mfg Ctr & DC

A handwritten signature in blue ink that reads 'Michelle Bales'.

Michelle Bales  
Sr. Manager, Quality Assurance

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