

Acetone  
VLSI



Material No.: 5356-05  
Batch No.: 0000133231  
Manufactured Date: 2015/12/10  
Retest Date: 2020/12/08

## 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    |
| Acidity (µeq/g)   | <= 0.3        | < 0.1  |
| Alkalinity (µeq/g)  | <= 0.5        | 0.2    |
| Water (H <sub>2</sub> O)  | <= 0.5 %      | 0.1    |
| Solubility in H <sub>2</sub> O  | Passes Test   | PT     |
| Chloride (Cl)   | <= 0.2 ppm    | < 0.1  |
| Phosphate (PO <sub>4</sub> )  | <= 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 – Boron (B)  | <= 20.0 ppb   | < 5.0  |
| Trace Impurities – Calcium (Ca)   | <= 25.0 ppb   | 2.2    |
| Trace Impurities – Chromium (Cr)  | <= 20.0 ppb   | < 1.0  |
| Trace Impurities – Copper (Cu)  | <= 10.0 ppb   | < 1.0  |
| Trace Impurities – Gold (Au)  | <= 20.0 ppb   | < 5.0  |
| Trace Impurities – Iron (Fe)  | <= 20.0 ppb   | < 1.0  |
| Trace Impurities – Lead (Pb)  | <= 20.0 ppb   | < 10.0 |
| Trace Impurities – Lithium (Li)   | <= 50.0 ppb   | < 1.0  |
| Trace Impurities – Magnesium (Mg)                                       | <= 20.0 ppb   | < 1.0  |
| Trace Impurities – Manganese (Mn)                                       | <= 10.0 ppb   | < 1.0  |
| Trace Impurities – Nickel (Ni)  | <= 10.0 ppb   | < 5.0  |
| Trace Impurities – Potassium (K)  | <= 50.0 ppb   | < 10.0 |

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|-------------------------------------|---------------|--------|
| 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  | 4      |
| Particle Count – 1.0 µm and greater | <= 8 par/ml   | 2      |

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, FSSC 22000  
Paris, KY 9001:2008  
Mexico City, Mexico 9001:2008  
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003  
Gliwice, Poland 9001:2008  
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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