

Acetone  
CMOS



Material No.: 9005-68  
Batch No.: 0000243978  
Manufactured Date: 2019/10/21  
Retest Date: 2024/10/19  
Revision No: 1

## 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    |
| Titration Acid (µeq/g)  | <= 0.3        | 0.2    |
| Titration Base (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   | PT     |
| Chloride (Cl)   | <= 0.2 ppm    | < 0.2  |
| 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 – 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   | < 1.0  |
| 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 |
|---|---------------|--------|
| Trace Impurities – Lead (Pb)                      | <= 10.0 ppb   | < 10.0 |
| Trace Impurities – Lithium (Li)                   | <= 10.0 ppb   | < 1.0  |
| Trace Impurities – Magnesium (Mg)                 | <= 20.0 ppb   | < 1.0  |
| Trace Impurities – Manganese (Mn)                 | <= 10.0 ppb   | < 1.0  |
| Trace Impurities – Molybdenum (Mo)                | <= 10.0 ppb   | < 5.0  |
| Trace Impurities – Nickel (Ni)                    | <= 10.0 ppb   | < 5.0  |
| Trace Impurities – Niobium (Nb)                   | <= 50.0 ppb   | < 1.0  |
| Trace Impurities – Potassium (K)                  | <= 10.0 ppb   | < 10.0 |
| Trace Impurities – Silicon (Si)                   | <= 50.0 ppb   | < 10.0 |
| Trace Impurities – Silver (Ag)                    | <= 10.0 ppb   | < 1.0  |
| Trace Impurities – Sodium (Na)                    | <= 10.0 ppb   | < 5.0  |
| Trace Impurities – Strontium (Sr)                 | <= 10.0 ppb   | < 1.0  |
| Trace Impurities – Tantalum (Ta)                  | <= 50.0 ppb   | < 5.0  |
| Trace Impurities – Thallium (Tl)                  | <= 10.0 ppb   | < 5.0  |
| Trace Impurities – Tin (Sn)                       | <= 20.0 ppb   | < 10.0 |
| Trace Impurities – Titanium (Ti)                  | <= 10.0 ppb   | < 1.0  |
| Trace Impurities – Vanadium (V)                   | <= 10.0 ppb   | < 1.0  |
| Trace Impurities – Zinc (Zn)                      | <= 20.0 ppb   | < 1.0  |
| Trace Impurities – Zirconium (Zr)                 | <= 10.0 ppb   | < 1.0  |
| Particle Count – 0.5 µm and greater (Rion KS42AF) | <= 100 par/ml | 5      |
| Particle Count – 1.0 µm and greater (Rion KS42AF) | <= 8 par/ml   | 1      |

For Microelectronic Use

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



Jamie Ethier  
 Vice President Global Quality

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