

Hydrogen Peroxide, 30%  
Electronic Grade  
(Stabilized)



Material No.: 2204-01

Batch No.: 25C0461080

Manufactured Date: 2025-02-24

Expiration Date: 2026-08-25

Revision No.: 0

## Certificate of Analysis

| Test                                   | Specification | Result    |
|----------------------------------------|---------------|-----------|
| Assay (H <sub>2</sub> O <sub>2</sub> ) | 30.0 - 32.0 % | 31.6 %    |
| Color (APHA)                           | <= 10         | <5        |
| Free Acid (μeq/g)                      | <= 0.2        | <0.1      |
| Residue after Evaporation              | <= 15 ppm     | 2 ppm     |
| Ammonium (NH <sub>4</sub> )            | <= 3 ppm      | <3 ppm    |
| Chloride (Cl)                          | <= 2 ppm      | <0 ppm    |
| Nitrate (NO <sub>3</sub> )             | <= 2 ppm      | <2 ppm    |
| Phosphate (PO <sub>4</sub> )           | <= 2 ppm      | 1 ppm     |
| ACS - Sulfate (SO <sub>4</sub> )       | <= 5 ppm      | <3 ppm    |
| Trace Impurities - Aluminum (Al)       | <= 200.0 ppb  | <5.0 ppb  |
| Trace Impurities - Antimony (Sb)       | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities - Arsenic (As)        | <= 10.0 ppb   | <2.0 ppb  |
| Arsenic & Antimony (as As)             | <= 10.0 ppb   | <2.0 ppb  |
| Trace Impurities - Barium (Ba)         | <= 20.0 ppb   | <1.0 ppb  |
| Trace Impurities - Beryllium (Be)      | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities - Bismuth (Bi)        | <= 20.0 ppb   | <10.0 ppb |
| Trace Impurities - Boron (B)           | <= 10.0 ppb   | <5.0 ppb  |
| Trace Impurities - Cadmium (Cd)        | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities - Calcium (Ca)        | <= 50.0 ppb   | 2.4 ppb   |
| Trace Impurities - Chromium (Cr)       | <= 20.0 ppb   | 2.4 ppb   |
| Trace Impurities - Cobalt (Co)         | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities - Copper (Cu)         | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities - Gallium (Ga)        | <= 20.0 ppb   | <1.0 ppb  |
| Trace Impurities - Germanium (Ge)      | <= 10.0 ppb   | <10.0 ppb |
| Trace Impurities - Gold (Au)           | <= 10.0 ppb   | <5.0 ppb  |
| Heavy Metals (as Pb)                   | <= 500.0 ppb  | <10.0 ppb |
| Trace Impurities - Iron (Fe)           | <= 50.0 ppb   | 3.1 ppb   |
| Trace Impurities - Lead (Pb)           | <= 10.0 ppb   | <10.0 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

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| Test                               | Specification | Result    |
|------------------------------------|---------------|-----------|
| Trace Impurities – Lithium (Li)    | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities – Magnesium (Mg)  | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities – Manganese (Mn)  | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities – Molybdenum (Mo) | <= 10.0 ppb   | <5.0 ppb  |
| Trace Impurities – Nickel (Ni)     | <= 10.0 ppb   | <5.0 ppb  |
| Trace Impurities – Niobium (Nb)    | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities – Potassium (K)   | <= 600.0 ppb  | 233.8 ppb |
| Trace Impurities – Silicon (Si)    | <= 100.0 ppb  | <10.0 ppb |
| Trace Impurities – Silver (Ag)     | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities – Sodium (Na)     | <= 500.0 ppb  | <5.0 ppb  |
| Trace Impurities – Strontium (Sr)  | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities – Tantalum (Ta)   | <= 10.0 ppb   | <5.0 ppb  |
| Trace Impurities – Thallium (Tl)   | <= 50.0 ppb   | <5.0 ppb  |
| Trace Impurities – Tin (Sn)        | <= 1000.0 ppb | 342.9 ppb |
| Trace Impurities – Titanium (Ti)   | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities – Vanadium (V)    | <= 10.0 ppb   | <1.0 ppb  |
| Trace Impurities – Zinc (Zn)       | <= 50 ppb     | <1 ppb    |
| Trace Impurities – Zirconium (Zr)  | <= 10.0 ppb   | <1.0 ppb  |

For Microelectronic Use

Country of Origin: United States  
Packaging Site: Paris Mfg Ctr & DC

  
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Sr. Manager, Quality Assurance

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