

Acetonitrile  
HPLC  
For use in Liquid Chromatography and Spectrophotometry



Material No.: 9012-03  
Batch No.: 0000267405  
Manufactured Date: 2020/08/25  
Retest Date: 2025/08/24  
Revision No: 1

## Certificate of Analysis

| Test  | Specification | Result    |
|---|---------------|-----------|
| Appearance  | Passes Test   | PT        |
| Assay (GC)  | $\geq 99.9\%$ | 100.0     |
| Color (APHA)                                      | $\leq 10$     | $< 10$    |
| Water (H <sub>2</sub> O)                          | $\leq 0.02\%$ | $< 0.01$  |
| Gradient Elution Test (a.u.) – 254 nm             | $\leq 0.005$  | $< 0.003$ |
| Residue after Evaporation                         | $\leq 3$ ppm  | $< 2$     |
| Titration Acid ( $\mu\text{eq/g}$ )               | $\leq 8.0$    | $< 8.0$   |
| Titration Base ( $\mu\text{eq/g}$ )               | $\leq 0.6$    | $< 0.6$   |
| Ultraviolet Absorbance (1.00 cm) – 200 nm         | $\leq 0.1$    | $< 0.1$   |
| Ultraviolet Absorbance (1.00 cm) – 210 nm         | $\leq 0.05$   | $< 0.01$  |
| Ultraviolet Absorbance (1.00 cm) – 220 nm         | $\leq 0.03$   | $< 0.01$  |
| Ultraviolet Absorbance (1.00 cm) – 254 nm         | $\leq 0.01$   | $< 0.01$  |
| Ultraviolet Absorbance (1.00 cm) – 280 nm         | $\leq 0.01$   | $< 0.01$  |
| Ultraviolet Absorbance (1.00 cm) – 350 nm         | $\leq 0.01$   | $< 0.01$  |
| Ultraviolet Absorbance (1.00 cm) – 400 nm         | $\leq 0.01$   | $< 0.01$  |
| Ultraviolet Absorbance (1.00 cm) – UV Cut-off, nm | $\leq 190$    | 190       |

For Laboratory, Research or Manufacturing Use  
Filtered through a 0.2 micron filter.

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

  
Jamie Ethier  
Vice President Global Quality

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