

Material No: 9441.2500  
Batch No: 2325005861  
Manufactured Date: 2023/09/07  
Expiration Date: 2025/09/07

## Certificate of Analysis

| Test  | Specification   | Result    |
|---|-----------------|-----------|
| Assay (by GC)                                   | $\geq 99.8 \%$  | 99.9      |
| Peroxide (as H <sub>2</sub> O <sub>2</sub> )*   | $\leq 0.010 \%$ | $< 0.010$ |
| Residue after Evaporation                       | $\leq 5$ ppm    | $< 5$     |
| Water (H <sub>2</sub> O)                        | $\leq 0.02 \%$  | 0.01      |
| Ultraviolet Absorbance (1.00-cm path vs water): |                 |           |
| at 230 nm                                       | $\leq 1.0$      | 0.5       |
| at 260 nm                                       | $\leq 0.15$     | 0.05      |
| at 270 nm                                       | $\leq 0.08$     | 0.03      |
| at 310 nm                                       | $\leq 0.02$     | 0.01      |

For Laboratory, Research or Manufacturing use.  
For use in High Performance Liquid Chromatography.  
Filtered through a 0.2 micron filter. Packaged under Nitrogen.

Country of Origin: GERMANY  
Packaging Site: Gliwice Mfg & DC



Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis, please contact Customer Service at [avantor.emea@avantorinc.com](mailto:avantor.emea@avantorinc.com)  
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Avantor Performance Materials Poland S.A. Sowińskiego 11 Gliwice 44-101 Poland Tel: +48 322392000