

Methanol  
HPLC  
Gradient Grade: For use in Liquid Chromatography  
(HPLC & UHPLC) & Spectrophotometry  
(methyl alcohol)



Material No.: 9093-68  
Batch No.: 0000191931  
Manufactured Date: 2017-12-29  
Expiration Date: 2022-12-28  
Revision No.: 0

## Certificate of Analysis

Test	Specification	Result
Assay (CH <sub>3</sub> OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Ultraviolet Absorbance (1.00-cm cell vs. water) – 400–254 nm	≤ 0.01	0.01
Ultraviolet Absorbance (1.00-cm cell vs. water) – 225 nm	≤ 0.15	0.15
Ultraviolet Absorbance (1.00-cm cell vs. water) – UV Cut-off, nm	≤ 205	204
Gradient Elution Test (a.u.) – 254 nm	≤ 0.002	0.001
Fluorescence Trace Impurities, measured as Quinine Base – at 450 nm Emission	≤ 0.3 ppb	< 0.1 ppb
Fluorescence Trace Impurities, measured as Quinine Base – at Emission Maximum for Impurities	≤ 1.0 ppb	0.4 ppb
Acetone	≤ 0.001 %	< 0.001 %
Residue after Evaporation	≤ 1.0 ppm	< 1.0 ppm
Titration Acid (µeq/g)	≤ 0.3	0.2
Titration Base (µeq/g)	≤ 0.10	< 0.01
Water (by KF, coulometric)	≤ 0.05 %	0.03 %

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

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

Michelle Bales  
Sr. Manager, Quality Assurance

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