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

Material No.: 9093-68
Batch No.: P24M101589
Manufactured Date: 2024-11-29
Retest Date: 2029-11-28
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay(CH_3OH)(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	0.14
Ultraviolet Absorbance(1.00-cm cell vs.water) - UV Cut-off, nm	≤ 205	205
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, measuredas Quinine Base - at Emission Maximum for Impurities	≤ 1.0 ppb	0.7 ppb
Acetone	≤ 0.001 %	< 0.001 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.30	0.21
Titrable Base (µeq/g)	≤ 0.10	< 0.01
Water (by KF, coulometric)	≤ 0.05 %	0.02 %
BIS - Description	Passes test	Passes test
BIS - Miscibility with water	Passes test	Passes test
BIS - Purity	≥ 99.85 %	100.00 %
BIS - Relative Density at 27 °C	≤ 0.789	0.788
BIS - Distillation range at 760 mmPressure	Passes test	Passes test
BIS - Residue on evaporation	≤ 0.01 %	< 0.01 %
BIS - Alkalinity (as NH3)	≤ 0.03 %	< 0.01 %
BIS - Acidity (as CH3COOH)	≤ 0.004 %	< 0.001 %
BIS - Aldehyde and ketones, as Acetone	≤ 0.03 %	0.01 %
BIS - Sulphur and compounds of Sulphuras(s)	≤ 0.001 %	< 0.001 %
BIS - Chlorine and Chlorine compounds	Passes test	Passes test
BIS - Water Content	≤ 0.10 %	0.02 %

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

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Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Filtered through a 0.2 micron filter.
BIS Description: The material shall be clear and colorless liquid, free from matter in suspension

Country of Origin: India

Girish Prajapati
Site Quality Manager

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