

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



Material No.: 9093-68
Batch No.: P25E100542
Manufactured Date: 2025-05-22
Retest Date: 2030-05-21
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay(CH ₃ OH)(by GC,corrected for water)Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.90 %	99.96 %
Ultraviolet Absorbance (1.00-cm cell vs.Ultraviolet Absorbance (1.00-cm cell vs. water) – 400-254 nm	≤ 0.010	< 0.001
Ultraviolet Absorbance(1.00-cm cell vs.Ultraviolet Absorbance (1.00-cm cell vs. water) – 225 nm	≤ 0.150	0.135
Ultraviolet Absorbance(1.00-cm cell vs.Ultraviolet Absorbance (1.00-cm cell vs. water) – UV Cut-off, nm	≤ 205	205
Gradient Elution Test (a.u.) – 254 nm	≤ 0.0020	< 0.0010
Fluorescence Trace Impurities, measured as Quinine Base – at 450 nm Emission	≤ 0.30 ppb	0.06 ppb
Fluorescence Trace Impurities, measured as Quinine Base – at Emission Maximum for Impurities	≤ 1.00 ppb	0.76 ppb
Acetone	≤ 0.0010 %	0.0010 %
Residue after Evaporation	≤ 1.00 ppm	0.42 ppm
Titration Acid (µeq/g)	≤ 0.300	0.200
Titration Base (µeq/g)	≤ 0.100	< 0.010
Water (by KF, coulometric)	≤ 0.050 %	0.015 %
BIS – Description	Passes test	Passes test
BIS – Miscibility with water	Passes test	Passes test
BIS – Purity	≥ 99.85 %	99.91 %
BIS – Relative Density at 27 °C	≤ 0.789	0.788
BIS – Distillation range at 760 mm	Passes test	Passes test
BIS – Residue on evaporation	≤ 0.01 %	< 0.01 %
BIS – Alkalinity (as NH ₃)	≤ 0.03 %	< 0.01 %
BIS – Acidity (as CH ₃ COOH)	≤ 0.004 %	< 0.001 %
BIS – Aldehyde and ketones, as Acetone	≤ 0.03 %	< 0.01 %
BIS – Sulphur and compounds of Sulphur	≤ 0.001 %	< 0.001 %
BIS – Chlorine and Chlorine compounds	Passes test	Passes test
BIS – Water Content	≤ 0.10 %	0.03 %

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
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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

A handwritten signature in black ink, appearing to read 'Meenu'.

Meenu Deshmukh
Sr. Quality Manager

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