

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



Material No.: 9093-68
Batch No.: P24L101548
Manufactured Date: 2024-11-19
Retest Date: 2029-11-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay(CH ₃ 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	0.12
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	0.2 ppb
Fluorescence Trace Impurities, measured as Quinine Base – at Emission Maximum for Impurities	≤ 1.0 ppb	0.7 ppb
Acetone	≤ 0.001 %	≤ 0.001 %
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Titration Acid (μeq/g)	≤ 0.30	0.16
Titration Base (μeq/g)	≤ 0.10	≤ 0.10
Water (by KF, coulometric)	≤ 0.05 %	0.01 %
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 NH ₃)	≤ 0.03 %	< 0.01 %
BIS – Acidity (as CH ₃ COOH)	≤ 0.004 %	0.001 %
BIS – Aldehyde and ketones, as Acetone	≤ 0.03 %	0.02 %
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 %	0.01 %

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 blue ink, appearing to read 'Girish Prajapati', is positioned above the printed name.

Girish Prajapati
Site Quality Manager

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