

Methanol
BAKER ANALYZED® LC-MS Reagent
For Use in Liquid Chromatography and Mass
Spectrometry



Material No.: 9830-88
Batch No.: P24L101538
Manufactured Date: 2024-11-15
Expiration Date: 2026-11-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH)	≥ 99.90 %	99.98 %
Appearance	Passes test	Passes test
Gradient Elution Test	.	.
254 nm	≤ 0.01	< 0.01
Fluorescence Trace Impurities, in ppb measured as Quinine Base:	.	.
at 450 nm Emission	≤ 0.30	0.24
at Emission Max for Impurities	≤ 1.00	0.59
Color	≤ 10 APHA	≤ 10 APHA
Residue After Evaporation	≤ 1.00 ppm	0.37 ppm
Water (H ₂ O)	≤ 500 ppm	160 ppm
LC/MS Suitability	.	.
Largest Response on ESI – Positive Mode (as Reserpine)	≤ 50 ppb	≤ 50 ppb
Trace Impurities	.	.
Aluminium(Al)	≤ 50 ppb	< 1 ppb
Calcium (Ca)	≤ 50 ppb	12 ppb
Iron (Fe)	≤ 50 ppb	< 1 ppb
Lithium (Li)	≤ 30 ppb	< 1 ppb
Magnesium (Mg)	≤ 50 ppb	< 1 ppb
Nickel (Ni)	≤ 30 ppb	< 1 ppb
Potassium (K)	≤ 50 ppb	< 1 ppb
Sodium (Na)	≤ 50 ppb	42 ppb
BIS – Description	Passes test	Passes test
BIS – Miscibility with water	Passes test	Passes test
BIS – Purity	≥ 99.85 %	99.99 %
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 %

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Test	Specification	Result
BIS – Acidity (as CH ₃ COOH)	≤ 0.004 %	≤ 0.004 %
BIS – Aldehyde and ketones, as Acetone	≤ 0.03 %	0.01 %
BIS – Sulphur and compounds of Sulphuras(s)	≤ 0.00 %	< 0.01 %
BIS – Chlorine and Chlorine compounds	Passes test	Passes test
BIS – Water Content	≤ 0.10 %	0.08 %

For Laboratory, Research, or Manufacturing Use

* May change over time due to extraction from glass container.

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

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

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