

Certificate of Analysis

Product: Methanol
Item Number: MALCMS
Grade: LCMS
Lot Number: 220826
Manufacture Date: 08/26/2022
Expiration Date: 08/25/2024
Country of Origin: United States

Tested Property	Specification	Analysis
Assay CH ₃ OH(GC)	≥99.99%	100.0%
Density (20°C)	0.791 - 0.793 g/mL	0.792 g/mL
Solubility with H ₂ O	To pass test	Passes test
Residue on evaporation	≤0.0001 %	0.0001%
Water	≤0.01%	0.008%
Acidity (as H ⁺)	≤0.0002 mmol/g	0.0002 mmol/g
Alkalinity (as OH ⁻)	≤0.0001 mmol/g	Not Detected
Absorbance at 205 nm	≤1.0 Abs Units	0.764 Abs Units
Absorbance at 210 nm	≤0.45 Abs Units	0.365 Abs Units
Absorbance at 220 nm	≤0.20 Abs Units	0.154 Abs Units
Absorbance at 230 nm	≤0.10 Abs Units	0.070 Abs Units
Absorbance at 260 nm	≤0.01 Abs Units	0.005 Abs Units
Gradient Elution Test at 254 nm	≤2 mAU	1.18 mAU
Gradient Elution Test at 235 nm	≤2 mAU	0.48 mAU
Fluorescence Impurity at 254 nm	≤1.0 ppb	Passes Test
Fluorescence Impurity at 365 nm	≤0.5 ppb	Passes Test
LC-MS(ESI+) as reserpine	≤50 ppb	Passes Test
LC-MS(ESI-) as 4-nitrophenol	≤50 ppb	Passes Test
K, Ag, Ba, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sn,	≤5	Passes Test
Al, Ca, Mg, Fe,	≤10	Passes Test

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Na

≤100

Passes Test

Methanol

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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