

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.
 Certificate Number. 951001163

Catalogue Number	047192
Lot Number	S19M700
Description	Methanol, LC-MS Grade, 99.8+%
CAS Number	67-56-1
Quality Test/Release Date	20/Apr/2026
Suggested retest date	20/Apr/2031
Country of Origin	Venezuela
Declaration of Origin	Synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Color (APHA)	APHA	≤5	<5
Assay (unspecified)	mAU	LC gradient elution suitability at 254 nm: ≤ 2 mAU	<0.3
Assay (GC)	%	≥99.8% (GC-FID)	>99.99
Appearance (Color)		Clear	Clear
Form		Liquid	Liquid
Impurity content	ppt	≤ 5ppt- as Heptachlorepoxyde by GC-ECD Responsive residue (single peak)	<1
Impurity content	ppb	≤1ppb as Quinine sulfate by Fluorescence at emissinon maximum for impurities	<1
Impurity content	ppb	≤5ppb as 2-Octanol by GC-FID Responsive residue (single peak)	<1
Water Content (Karl Fischer Titration)	%	≤0.02%	0.01
LCMS	ppb	Negative mode (as Nitrophenol): ≤50 ppb	<50
LCMS	ppb	Positive mode (as Reserpine): ≤50 ppb	<50
Optical Absorbance at 205nm:	AU	≤1.000 AU	0.446
Optical Absorbance at 220nm:	AU	≤0.25 AU	0.06
Optical Absorbance at 230nm:	AU	≤0.12 AU	0.02
Optical Absorbance at 240 nm:	AU	≤0.05 AU	0.01
Optical Absorbance at 254nm:	AU	≤0.01AU	<0.001
Optical Absorbance at 400 to 280 nm:	AU	≤0.005 AU	<0.001 at 400nm,<0.001 at 280nm
Residue on Evaporation	ppm	≤1 ppm	0.1

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.



Derek Roy
Quality Manager, LCD

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

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