

## 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 031721  
Lot Number R09L035  
Description Methanol, ACS, absolute, low acetone, 99.8+%  
CAS Number 67-56-1  
Quality Test/Release Date 09/May/2025  
Suggested retest date 09/May/2030  
Country of Origin Trinidad and Tobago

Result Name	Units	Specifications	Test Value
Color (APHA)		≤10	1
Assay (GC)	%	≥99.8% ( corrected for water)	99.99
Appearance (Color)		Colorless	Colorless
Free acid (titration)	meq/g	≤0.0003meq/g	0.0002
Free base (titration)	meq/g	≤0.0002meq/g	0.0001
Impurity content	%	Carbonyl compounds: ≤0.001% each of acetone, formaldehyde, and acetaldehyde	<0.001 each
Impurity content		Substances darkened by sulfuric acid P.T.	Passes Test
Impurity content		Substances reducing permanganate P.T.	Passes Test
Water Content (Karl Fischer Titration)	%	≤0.1%	0.01
Residue on Evaporation	%	≤0.001%	0.000
Solution Test		in water P.T.	Passes Test

*John Astarita*

John Astarita  
Director, Quality

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.

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.