

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 036646
Lot Number P19M024
Description Glycerol, ACS, 99.5+%
CAS Number 56-81-5
Quality Test/Release Date 20/Mar/2026
Suggested retest date 20/Mar/2029
Country of Origin United States

Result Name	Units	Specifications	Test Value
Color (APHA)		10	7
Assay	%	≥99.5%	99.9
Assay (special)		Neutrality: Passes Test	Passes test
Heavy Metals	ppm	(as Pb): ≤2ppm	<2
Residual water	%	≤0.5%	0.0
Residue on ignition	%	≤0.005%	0.0008
Impurity content		Acrolein and glucose: Passes Test	Passes test
Impurity content	%	Chlorinated compounds (as Cl): ≤0.003%	<0.003
Impurity content	%	Fatty acid esters (as butyric acid): ≤0.05%	<0.05
Impurity content		Substances darkened by sulfuric acid: Passes Test	Passes test
Impurity content	%	Sulfate: ≤0.001%	<0.001



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.

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.