

## 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	033361
Lot Number	W19L001
Description	Ethanol, Alcohol Reagent, anhydrous, denatured, ACS, 94-96%
CAS Number	64-17-5
Quality Test/Release Date	19/Sep/2025
Suggested retest date	19/Sep/2030
Country of Origin	United States
Declaration of Origin	Other
BSE/TSE	Synthetic, Vegetable

Result Name	Units	Specifications	Test Value
Color (APHA)		≤10	<10
Assay (GC)	%	Isopropyl alcohol (2-propanol)(v/v) 4.0-6.0%	5.02
Assay (GC)	%	Within 94.0-96.0% (V/V) methanol and ethyl alcohol	94.97
Appearance (Color)		Clear colorless	Clear colorless
Form		Liquid	Liquid
Water Content (Karl Fischer Titration)	%	≤0.5%	0.03
Residue on Evaporation	%	≤0.001%	<0.001
Refractive Index		1.3580-1.3610 @ 20°C	1.3585
Specific Gravity		0.7902-0.7912 @ 20°C	0.7904



Luis Perez  
 Interim Director Quality, 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.