

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	39698
Lot Number	A0473629
Description	Isopropanol,99+%,specified according to the requirements of Ph.Eur.
CAS Number	67-63-0
Quality Test/Release Date	25/Jun/2025
Suggested retest date	25/Jun/2030
Country of Origin	NETHERLANDS
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
Appearance (Color)		Clear colorless	Clear colorless
Appearance (Form)		Liquid	Liquid
Infrared spectrum		Conforms	Conforms
Relative density		(20/20°C) 0.785 to 0.789	(20/20°C) 0.7865
Specific gravity		(25°C) 0.783 to 0.787	(25°C) 0.7833
Refractive index		1.376 to 1.379 (20°C, 589 nm)	1.3771 (20°C, 589 nm)
Identification D		Passes test	Passes test
Appearance		Passes test	Passes test
Acidity/alkalinity		Passes test	Passes test
GC	%	>=99.0	99.9
Benzene	ppm	=<2	=<2 None detected
Related substances	%	=<0.3	=<0.3 None detected
Peroxides		Passes test	Passes test
Non-volatile matter	ppm	=<20	4
Water	%	=<0.5	0.04
UV		at 230 nm A: =<0.30	at 230 nm A:0.10
UV		at 250 nm A: =<0.10	at 250 nm A:0.04
UV		at 270 nm A: =<0.03	at 270 nm A:0.02
UV		at 290 nm A: =<0.02	at 290 nm A:0.009
UV		at 310 nm A: =<0.01	at 310 nm A:0.005



Geert Torfs  
Supervisor, QC

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.