

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by INTERTEK SAI Global  
Certificate Number. QMS42099

Catalogue Number	E/0555
Lot Number	2538994
Description	Ethanol, 96% v/v AR For analysis
CAS Number	64-17-5
Quality Test/Release Date	29/May/2025
Expiry Phrase	Use within 5 yrs of opening
Country of Origin	Germany

Result Name	Units	Specifications	Test Value
Acetone	%	<= 0.002	None Detected
Acidity/alkalinity (meq/g)	meq/g	<= 0.0005	0.00003
Aldehyde	%	<= 0.001	<0.001
Amyl alcohol and non volatile carbonisable substances		Must be 'Pass'	Pass
Assay (v/v %)	% v/v	>= 96	96.15
Benzene	%	<= 0.0002	None Detected
Calcium (Ca)	ppm	<= 1	<0.02
Chemical form		Mobile liquid	Mobile liquid
Colour	APHA	<= 10	<5
Copper (Cu)	ppm	<= 0.05	<0.01
Furfuraldehyde	%	<= 0.001	None Detected
Iron (Fe)	ppm	<= 0.2	<0.02
Lead (Pb)	ppm	<= 0.05	<0.005
Magnesium (Mg)	ppm	<= 0.2	<0.01
Methanol	%	<= 0.02	None Detected
Other impurities	%	<= 0.02	0.00048
Potassium (K)	ppm	<= 0.1	<0.02
Propan-2-ol	%	<= 0.02	0.00012
Residue after evaporation (ppm)	ppm	<= 10	None Detected
Sodium (Na)	ppm	<= 2	<0.2
Substances darkened by H2SO4 (APHA)	APHA	<= 10	<5
Substances reducing KMnO4	%	<= 0.0005	<0.0005
Total phosphorus (P)	ppm	<= 0.2	<0.02
Total silicon (Si)	ppm	<= 0.05	<0.02
Total sulfur (S)	ppm	<= 2	<0.05
Visual colour		Clear colourless	Clear colourless
Water insoluble substances (Pass/Fail)		Must be 'Pass'	Pass
Zinc (Zn)	ppm	<= 0.2	<0.01

**Additional Information** Meets the current analytical specification of BP and Ph. Eur.



Ashok Ganatra  
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

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.

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