

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	P/7500
Lot Number	2560530
Description	Propan-2-ol AR For analysis
CAS Number	67-63-0
Quality Test/Release Date	18/Nov/2025
Expiry Phrase	Use within 5 yrs of opening
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
Acidity/alkalinity (meq/g)	meq/g	<= 0.0001	0.00003
Assay (GC)	%	>= 99.8	99.99
C4 alcohols	%	<= 0.005	0.00012
C5 alcohols	%	<= 0.005	None Detected
Calcium (Ca)	ppm	<= 0.2	<0.02
Chemical form		Mobile liquid	Mobile liquid
Colour	APHA	<= 5	<5
Copper (Cu)	ppm	<= 0.02	<0.01
Ethanol	%	<= 0.005	None Detected
Iron (Fe)	ppm	<= 0.1	<0.02
Lead (Pb)	ppm	<= 0.02	<0.005
Magnesium (Mg)	ppm	<= 0.1	<0.01
Methanol	%	<= 0.005	None Detected
Potassium (K)	ppm	<= 0.2	<0.02
Propan-1-ol	%	<= 0.05	0.005
Residue after evaporation (ppm)	ppm	<= 10	None Detected
Sodium (Na)	ppm	<= 1	<0.05
Substances darkened by H2SO4 (APHA)	APHA	<= 10	<10
Substances reducing KMnO4	%	<= 0.0005	<0.0005
Total phosphorus (P)	ppm	<= 0.1	<0.02
Total silicon (Si)	ppm	<= 0.05	<0.02
Total sulfur (S)	ppm	<= 0.5	<0.05
Visual colour		Clear colourless	Clear colourless
Water	%	<= 0.1	0.012
Zinc (Zn)	ppm	<= 0.1	<0.01

A. Ganatra

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 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 use or further manufacturing. 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

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its intended use.

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