

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	019397
Lot Number	U15L726
Description	2-Propanol, Semiconductor Grade, 99.5% min
CAS Number	67-63-0
Quality Test/Release Date	23/Sep/2025
Suggested retest date	23/Sep/2030
Country of Origin	United States
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
Color (APHA)	APHA	10,max	5
Assay (GC)	%	≥99.5%- correct for water content	99.99
Free acid (titration)	meq/g	0.0002meq/g, max	0.0001
Free base (titration)	meq/g	0.0001meq/g, max	<0.0001
Form		Clear liquid	Clear liquid
Impurity content	ppm	Cl 0.2ppm, max	<0.2
Impurity content	ppm	PO ₄ 0.5ppm, max	<0.5
Impurity content	ppm	0.01ppm, max: B	0.008
Water Content (Karl Fischer Titration)	%	0.05%, max	0.005
Residue on Evaporation	ppm	5ppm, max	0.3
Solution Test		in H ₂ O P.T.	Passes test
Trace Metal	ppm	0.01ppm, max for each: Sb, As	<0.001
Trace Metal	ppm	0.1ppm, max for each: Al, Ca, Cr, Cu, Au, Fe, Pb, Mg, Mn, Ni, K, Na, Sn, Ti, Zn	<0.001 each Al,Cu,Au,Fe,Pb,Mg,Mn,Ni,Sn,Ti,Zn
Trace Metal	ppm	Ca:0.1ppm max	<0.001
Trace Metal	ppm	Cr:0.1ppm max	<0.001
Trace Metal	ppm	K:0.1ppm max	<0.001
Trace Metal	ppm	Na:0.1ppm max	<0.001



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.