

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	A38
Lot Number	253331
Description	ACETIC ACID, GLACIAL, CERTIFIED ACS
CAS Number	64-19-7
Quality Test/Release Date	11/Sep/2025
Suggested retest date	10/Sep/2030
Country of Origin	United States
Declaration of Origin	Synthetic
BSE/TSE	This material is manufactured through a petrochemical synthesis process and is free from ingredients of animal sources.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ACETIC ANHYDRIDE	%	<= 0.01	<0.01
ALUMINUM	ppm	<= 0.3	<0.3
ARSENIC AND ANTIMONY	ppm	<= 0.005	<0.005
ASSAY	w/w %	>= 99.7	99.9
BORON (B)	ppm	<= 0.2	<0.2
CALCIUM (Ca)	ppm	<= 0.3	<0.3
CHLORIDE	ppm	<= 0.4	<0.4
CHROMIUM (Cr)	ppm	<= 0.2	<0.2
COLOR	APHA	<= 10	<10
COPPER (Cu)	ppm	<= 0.1	<0.1
DILUTION TEST	PASS/FAIL	= PASS TEST	PASS TEST
EVAPORATION RESIDUE	ppm	<= 8	<8
GOLD (Au)	ppm	<= 0.3	<0.3
HEAVY METALS (as Pb)	ppm	<= 0.5	<0.5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 0.2	<0.2
LEAD (Pb)	ppm	<= 0.3	<0.3
MAGNESIUM (Mg)	ppm	<= 0.3	<0.3
MANGANESE (Mn)	ppm	<= 0.3	<0.3
NICKEL (Ni)	ppm	<= 0.1	<0.1
PHOSPHATE (PO4)	ppm	<= 1	<1
POTASSIUM (K)	ppm	<= 0.3	<0.3
SODIUM (Na)	ppm	<= 0.3	<0.3
SUBSTANCES REDUCING DICHROMATE	PASS/FAIL	= PASS TEST	PASS TEST
SUBSTANCES REDUCING KMNO4	PASS/FAIL	= PASS TEST	PASS TEST
SULFATE (SO4)	ppm	<= 0.4	<0.4
TIN (Sn)	ppm	<= 0.3	<0.3
TITANIUM (Ti)	ppm	<= 0.3	<0.3
TITRATABLE BASE	MEQ/G	<= 0.0004	<0.0004
ZINC (Zn)	ppm	<= 0.3	<0.3



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.

Harout Sahagian
Manager, QC • Laboratory Products Group

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 its intended use.

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