



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 253325

Description ACETIC ACID, GLACIAL, CERTIFIED ACS

CAS Number 64-19-7
Quality Test/Release Date 10/Sep/2025
Suggested retest date 09/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





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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.

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.