Fisher Scientific L.L.C. US
755 US Highway
Bridgewater,
NJ 08807 202, United States of America

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	A507
Lot Number	24019189
Description	ACETIC ACID, TRACE METAL GRADE
CAS Number	64-19-7
Quality Test/Release Date	20/Jun/2025
Suggested retest date	19/Feb/2028
Country of Origin	United States
Declaration of Origin	Synthetic
BSE/TSE	This material is produced using a synthetic process and the prodcution equipment does not come into contact with anything of animal origin. Therefore, there is no potential for BSE or TSE to be present in the product.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ALUMINUM	ppb	<= 1	<1
ANTIMONY (Sb)	ppb	<= 0.5	<0.5
ARSENIC (As)	ppb	<= 0.5	<0.5
ASSAY	%	>= 99.0	100
BARIUM (Ba)	ppb	<= 0.5	<0.5
BERYLLIUM (Be)	ppb	<= 0.1	<0.1
BISMUTH (Bi)	ppb	<= 0.1	<0.1
CADMIUM (Cd)	ppb	<= 0.5	<0.5
CALCIUM (Ca)	ppb	<= 1	<1
CERIUM (Ce)	ppb	<= 0.1	<0.1
CESIUM (Cs)	ppb	<= 0.1	<0.1
CHLORIDE	ppm	<= 1	<1
CHROMIUM (Cr)	ppb	<= 1	<1
COBALT (Co)	ppb	<= 0.1	<0.1
COLOR	APHA	<= 10	<10
COPPER (Cu)	ppb	<= 0.5	<0.5
DYSPROSIUM (Dy)	ppb	<= 0.1	<0.1
ERBIUM (Er)	ppb	<= 0.1	<0.1
EUROPIUM (Eu)	ppb	<= 0.1	<0.1
GADOLINIUM (Gd)	ppb	<= 0.1	<0.1
GALLIUM (Ga)	ppb	<= 0.1	<0.1
GERMANIUM (Ge)	ppb	<= 0.5	<0.5
HAFNIUM (Hf)	ppb	<= 0.1	<0.1
HOLMIUM (Ho)	ppb	<= 0.1	<0.1
INDIUM (In)	ppb	<= 0.1	<0.1
IRON (Fe)	ppb	<= 1	<1
LANTHANUM (La)	ppb	<= 0.1	<0.1
LEAD (Pb)	ppb	<= 0.1	<0.1
LITHIUM (Li)	ppb	<= 0.1	<0.1
LUTETIUM (Lu)	ppb	<= 0.1	<0.1
MAGNESIUM (Mg)	ppb	<= 0.5	<0.5
MANGANESE (Mn)	ppb	<= 0.5	<0.5
MERCURY (Hg)	ppb	<= 1	<1
MOLYBDENUM (Mo)	ppb	<= 0.5	<0.5
NEODYMIUM (Nd)	ppb	<= 0.1	<0.1

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NICKEL (Ni)	ppb	<= 0.5	<0.5
PHOSPHATE (PO4)	ppm	<= 1	<1
PLATINUM (Pt)	ppb	<= 0.5	<0.5
POTASSIUM (K)	ppb	<= 1	<1
PRASEODYMIUM (Pr)	ppb	<= 0.1	<0.1
RHENIUM (Re)	ppb	<= 0.1	<0.1
RHODIUM (Rh)	ppb	<= 0.5	<0.5
RUBIDIUM (Rb)	ppb	<= 0.1	<0.1
RUTHENIUM (Ru)	ppb	<= 0.5	<0.5
SAMARIUM (Sm)	ppb	<= 0.1	<0.1
SCANDIUM (Sc)	ppb	<= 0.1	<0.1
SELENIUM (Se)	ppb	<= 1	<1
SILVER (Ag)	ppb	<= 1	<1
SODIUM (Na)	ppb	<= 1	<1
STRONTIUM (Sr)	ppb	<= 0.5	<0.5
SUBSTANCES REDUCING DICHROMATE	PASS/FAIL	= PASS TEST	PASS TEST
SUBSTANCES REDUCING KMNO4	PASS/FAIL	= PASS TEST	PASS TEST
SULFATE (SO4)	ppm	<= 0.5	<0.5
TELLURIUM (Te)	ppb	<= 0.5	<0.5
TERBIUM (Tb)	ppb	<= 0.1	<0.1
THALLIUM (Tl)	ppb	<= 0.1	<0.1
THORIUM (Th)	ppb	<= 0.1	<0.1
THULIUM (Tm)	ppb	<= 0.1	<0.1
TIN (Sn)	ppb	<= 0.5	<0.5
TITANIUM (Ti)	ppb	<= 0.5	<0.5
TUNGSTEN (W)	ppb	<= 0.5	<0.5
URANIUM (U)	ppb	<= 0.1	<0.1
VANADIUM (V)	ppb	<= 0.5	<0.5
YTTERBIUM (Yb)	ppb	<= 0.1	<0.1
YTTRIUM (Y)	ppb	<= 0.1	<0.1
ZINC (Zn)	ppb	<= 1	<1
ZIRCONIUM (Zr)	ppb	<= 0.1	<0.1

Matthew Micek
QC Supervisior

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