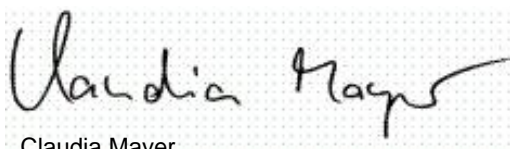


Certificate of Analysis

Product Name: Acetic acid
glacial, ACS reagent, >= 99.7 %
Product Number: 695092
Batch Number: STBK4720
CAS Number: 64-19-7
Formula: CH₃CO₂H
Formula Weight: 60.05
Quality Release Date: 15 OCT 2021
Recommended Retest Date: SEP 2023

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
COLOR (IN APHA)	≤ 10 APHA	< 10 APHA
TITRATABLE BASE	≤ 0.0004 MEQ/G	< 0.0004 MEQ/G
PURITY (GC AREA %)	≥ 99.70 %	> 99.99 %
REMARKS ON GC	≤ 0.01% ACETIC ANHYDRIDE	< 0.01 %
DILUTION TEST	PASS	PASS
RESIDUE (EVAPORATION)	≤ 0.001 %	< 0.0005 %
REDUCING SUBSTANCES	PASS (DICHROMATE AND PERMANGANATE)	PASS
HEAVY METALS	≤ 0.5 PPM (BY ICP)	< 0.5 PPM
ACS SPECIFICATIONS	MEETS CURRENT ACS REQUIREMENTS	CONFORMS
CHLORIDE (CL)	≤ 1 PPM	< 1 PPM
SULFATE (SO ₄)	≤ 1 PPM	< 1 PPM
IRON	≤ 0.2 PPM	< 0.2 PPM



Claudia Mayer
Manager Quality Control
Steinheim, Germany

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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