

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

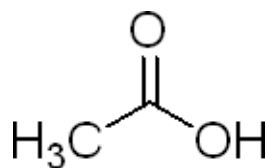
Product Name:
Acetic acid - ACS reagent, ≥99.7%

Product Number: **695092**

CAS Number: 64-19-7

Formula: C₂H₄O₂

Formula Weight: 60.05 g/mol



| TEST | Specification |
|--|---------------------------|
| Appearance (Color) | Colorless |
| Appearance (Form) | Liquid |
| Infrared spectrum | Conforms to Structure |
| Purity (GC) | ≥ 99.70 % |
| Color Test | ≤ 10 APHA |
| Chloride (Cl) | ≤ 1 ppm |
| Heavy Metals (as Pb) | ≤ 0.5 ppm |
| Sulfate | ≤ 1 ppm |
| Substances reducing MnO ₄ | Pass |
| Residue on Evaporation | ≤ 0.001 % |
| Iron (Fe) | ≤ 0.2 ppm |
| Dilution Test | Pass |
| Acetic Anhydride Via Gas Chromatography | ≤ 0.01 % |
| Titrateable Base (meq/g) | ≤ 0.0004 |
| Substances reducing Dichromate | Pass |
| Meets ACS Requirements 10th Edition | Current ACS Specification |
| Recommended Retest Period 2 Years | ----- |

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.