

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)

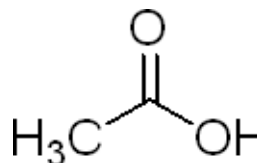
Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

**Product Specification**

Product Name:  
Acetic acid glacial, ≥99.85%

**Product Number:** 537020  
**CAS Number:** 64-19-7  
**MDL:** MFCD00036152  
**Formula:** C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>  
**Formula Weight:** 60.05 g/mol



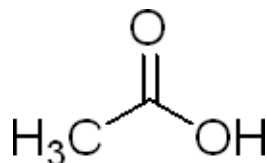
| TEST                                      | Specification                     |
|---|-----------------------------------|
| Appearance (Clarity)                      | Clear                             |
| Appearance (Color)                        | Colorless                         |
| Appearance (Form)                         | Liquid                            |
| Infrared spectrum<br>Formic Acid          | Conforms to Structure<br>≤0.050 % |
| Acetaldehyde                              | ≤5 ppm                            |
| Purity (GC)                               | ≥99.85 %                          |
| Freezing point                            | ≥16.35 °C                         |
| Water (by Karl Fischer)                   | ≤0.150 %                          |
| Nonvolatile Matter                        | ≤0.0050 %                         |
| Color Test                                | ≤5 APHA                           |
| Specific Gravity<br>at 20 Degrees Celsius | 1.0480- 1.0530                    |
| Chloride Content                          | ≤1 ppm                            |
| Iron (Fe)                                 | ≤0.50 ppm                         |
| Heavy Metals                              | ≤0.5 ppm                          |

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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Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)**Product Specification**Product Name:  
Acetic acid glacial, ≥99.85%

|                        |  |
|------------------------|--|
| <b>Product Number:</b> | <b>537020</b>                                |
| CAS Number:            | 64-19-7                                      |
| MDL:                   | MFCD00036152                                 |
| Formula:               | C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> |
| Formula Weight:        | 60.05 g/mol                                  |

**TEST****Specification**Readily Oxidizable Substances  
SulfatesPass  
≤1 ppm**Remarks:**

Specification Date : 08/04/2010

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