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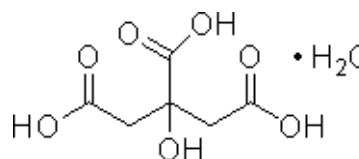
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## Product Specification

Product Name:  
Citric acid monohydrate - ACS reagent, ≥99.0%

**Product Number:** C1909  
**CAS Number:** 5949-29-1  
**MDL:** MFCD00149972  
**Formula:** C<sub>6</sub>H<sub>8</sub>O<sub>7</sub> · H<sub>2</sub>O  
**Formula Weight:** 210.14 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Note	-----
ACS tests	
Insoluble matter	≤ 0.005 %
Residue on ignition (Ash)	≤ 0.02 %
Chloride (Cl)	≤ 0.001 %
Oxalate (C <sub>2</sub> O <sub>4</sub> )	Pass
Phosphate (PO <sub>4</sub> )	≤ 0.001 %
Sulfate (SO <sub>4</sub> )	≤ 0.002 %
Iron (Fe)	Conforms
< or = 3 ppm	
Lead (Pb)	< or = 2 ppm
Subs Carbonizable by Hot H <sub>2</sub> SO <sub>4</sub>	Pass
Assay	99.0 - 102.0 %
Recommended Retest Period	-----
3 Years	

Specification: PRD.1.ZQ5.10000023697

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](http://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.