

3050 Spruce Street, Saint Louis, MO 63103, USA

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

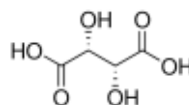
Email USA: [techserv@sial.com](mailto:techserv@sial.com)

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

## Product Specification

Product Name:  
L-(+)-Tartaric acid - ≥99.7%, FCC, FG

**Product Number:** W304409  
**CAS Number:** 87-69-4  
**MDL:** MFCD00064207  
**Formula:** C<sub>4</sub>H<sub>6</sub>O<sub>6</sub>  
**Formula Weight:** 150.09 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Melting Point (Approximate Melt 173°C)	
Infrared spectrum	Conforms to Structure
Specific Rotation C= 20% in H <sub>2</sub> O, 25 DEG C	12.0 - 13.0 °
Loss on Drying	≤ 0.5 %
Residue on ignition (Ash)	≤ 0.05 %
Miscellaneous Assay Oxylate	Pass
Miscellaneous Assay Sulfate	Pass
Trace Metal Analysis As (Pb)	≤ 2 ppm
Purity (Titr. by NaOH, dry basis)	99.70 - 100.50 %
Arsenic (As)	≤ 3 ppm
Cadmium (Cd)	≤ 1 ppm
Mercury (Hg)	≤ 1 ppm
Expiration Date Period 5 Years	-----

Specification: PRD.2.ZQ5.10000059486

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.