

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

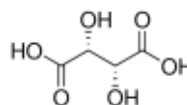
Product Name:  
L-(+)-Tartaric acid – anhydrous, free-flowing, Redi-Dri™, ACS reagent, ≥99.5%

Product Number: 798665

CAS Number: 87-69-4

Formula: HO<sub>2</sub>CCH(OH)CH(OH)CO<sub>2</sub>H

Formula Weight: 150.09 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Enantiomeric Excess	≥ 98.5 %
GC (area %)	≥ 99.45 %
Purity (Titration by NaOH)	99.45 - 100.55 %
Oxalate	Pass
CA. 0.1% (as Oxalate) by Gravimetric Assay	
Optical Rotation	10.4 - 14.4 deg
c = 20%, H <sub>2</sub> O	
Residue on ignition (Ash)	≤ 0.02 %
Insoluble matter	≤ 0.005 %
Chloride Content	≤ 0.001 %
Iron (Fe)	≤ 5 ppm
as Lead (by heavy metal)	≤ 5 ppm
Phosphate (PO <sub>4</sub> )	≤ 0.001 %
Sulfur compounds	≤ 0.002 %
Meets ACS Requirements	Current ACS Specification
Meets ACS 10th Edition	

Specification: PRD.0.ZQ5.10000074394

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.