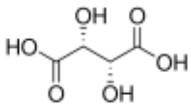
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Product Specification

Product Name:
L-(+)-Tartaric acid - ACS reagent, ≥99.5%

Product Number: **251380**
CAS Number: 87-69-4

Formula: C4H6O6
Formula Weight: 150,09 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals
Titration with NaOH	99.45 - 100.55 %
Purity (GC)	≥ 99.45 %
Enantiomeric Excess	≥ 98.5 % EE
Specific Rotation (20/D) c = 20 %, Water	10.4 - 14.4 deg
Insoluble Matter	≤ 0.005 %
Residue on Ignition	≤ 0.02 %
Infrared Spectrum	Conforms to Structure
Oxalate Passes Test	Pass
Meets ACS Requirements Current ACS Specification	Corresponds to Requirements
Metal Trace Analysis (ICP)	Corresponds to Requirements
Iron (Fe)	≤ 5 ppm
Total Sulfur as SO4 (ICP) Sulfur Compounds	≤ 0.002 %
Heavy Metal (by ICP-OES)	≤ 5 ppm
Chloride (Cl)	≤ 0.001 %
Phosphate (PO4)	≤ 0.001 %

Specification: PRE.2.ZQ5.10000021610

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.