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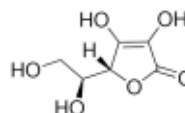
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
L-Ascorbic acid - ACS reagent, ≥99%

Product Number: 255564
CAS Number: 50-81-7
MDL: MFCD00064328
Formula: C₆H₈O₆
Formula Weight: 176.12 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Conforms to Requirements
Powder, Crystals, Crystalline Powder, Granules and/or Chunks	
Infrared Spectrum	Conforms to Structure
Optical Rotation	20.5 - 21.5 deg
(+); c = 10%; Water	
Titration by Iodine	≥ 99.0 %
Residue on Ignition	≤ 0.10 %
Iron (Fe)	≤ 0.001 %
Heavy Metals	≤ 0.002 %
by ICP-OES	
Recommended Retest Period	-----
3 Years	
Meets ACS Requirements	Current ACS Specification

Specification: PRD.2.ZQ5.1000009461

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.