

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

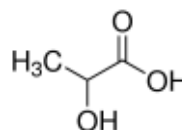
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Lactic acid - meets USP testing specifications

Product Number: L6661
CAS Number: 50-21-5
MDL: MFCD00004520
Formula: C₃H₆O₃
Formula Weight: 90.08 g/mol



TEST	Specification
Identity by USP ζ : Lactate	Pass
Specific Rotation	-0.05 - 0.05 °
Readily Carbonizable Sub	Pass
Residual Solvents USP 7	Meets Requirements
Expected Solvent	Residual Solvent
Expected Solvent	Residual Solvent
Expected Solvent	Residual Solvent
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Residue on ignition (Ash)	≤ 0.05 %
Sugars	Pass
Chloride Test	Pass
Sulfate	Pass
Heavy Metal	≤ 0.001 %
USP Limit Test	Pass
Citric, Oxalic, Phosphoric or Tartaric Acids	
Assay	88.0 - 92.0 %
Meets USP Testing Specificatio	Current USP Specifications

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.

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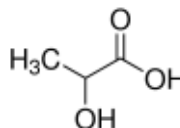
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**TEST****Specification**

Specification: PRD.0.ZQ5.10000051950

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