

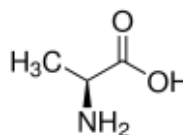
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Product Specification

Product Name:
L-Alanine - ≥98% (TLC)

Product Number: A7627
CAS Number: 56-41-7
MDL: MFCD00064410
Formula: C₃H₇NO₂
Formula Weight: 89.09 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
50 mg/ml, H ₂ O	
Infrared spectrum	Conforms to Structure
Carbon	40.0 - 41.0 %
Nitrogen	15.2 - 16.2 %
Heavy Metals (as Lead)	≤ 20 ppm
Specific Rotation	13.7 - 15.1 °
(c = 10 in 6 N HCl at 25 deg C)	
% Purity (TLC)	≥ 98
Recommended Retest Period	-----
6 years	

Specification: PRD.2.ZQ5.10000042166

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.