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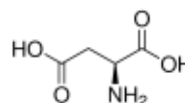
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
L-Aspartic acid - ≥98%, FG

Product Number: W365601
CAS Number: 56-84-8
MDL: MFCD00002616
Formula: C4H7NO4
Formula Weight: 133.10 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystal to Powder
Infrared spectrum	Conforms to Structure
Carbon	35.3 - 36.8 %
Nitrogen	10.3 - 10.7 %
Purity (HPLC)	≥ 98.0 %
Enantiomeric Excess	≥ 97.5 %
Optical Rotation c = 8% 6N HCl	24.0 - 26.0 deg
Loss on Drying 105 Degrees Celsius, 3 Hours	≤ 0.3 %
Residue on ignition (Ash)	≤ 0.1 %
Arsenic (As)	≤ 3 ppm
Cadmium (Cd)	≤ 1 ppm
Mercury (Hg)	≤ 1 ppm
Lead (Pb)	≤ 10 ppm
Expiration Date Period 5 Years	-----

Specification: PRD.0.ZQ5.10000053936

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.