

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
L-GLUTAMIC ACID, >=99%, NATURAL SOURCED&

Product Number: **W328512**

CAS Number: 56-86-0

Formula: C₅H₉NO₄

Formula Weight: 147.13 g/mol

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Solid or Crystals
Infrared Spectrum	Conforms to Structure
Titration with HClO ₄ Dried Basis	99.0 - 101.0 %
Loss on Drying 2 gm sample 105°C Atm. for 3 hrs.	≤ 0.1 %
Residue on ignition (Ash)	≤ 0.2 %
Foreign Insoluble Matter (In Amino Acids)	≤ 0.005 %
pH	3.0 - 3.5
Chloride	≤ 0.2 %
Optical Rotation 10%, 2N HCl On Dried Sample	31.5 - 32.2 deg
Amino Acid Analysis (HPLC)	≥ 99.0
Purity (HPLC) Pyrrolidone carboxylic acid. See 292915 fir STD.	≤ 0.2 %
Arsenic (As)	≤ 3 ppm
Cadmium (Cd)	≤ 1 ppm
Mercury (Hg)	≤ 1 ppm
Lead (Pb)	≤ 2 ppm
Expiration Date Period 5 Years	-----

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.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
L-GLUTAMIC ACID, >=99%, NATURAL SOURCED&

Product Number: W328512

CAS Number: 56-86-0

Formula: C₅H₉NO₄

Formula Weight: 147.13 g/mol

TEST

Specification

Specification: PRD.3.ZQ5.10000078433

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.