

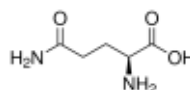
3050 Spruce Street, Saint Louis, MO 63103, USA

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

Product Specification

Product Name:
L-Glutamine

Product Number: **W368401**
CAS Number: 56-85-9
MDL: MFCD00008044
Formula: C₅H₁₀N₂O₃
Formula Weight: 146.14 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Optical Rotation c = 2% 1N HCl	29.0 - 33.0 deg
Carbon	40.1 - 42.1 %
Nitrogen	18.6 - 19.6 %
Titration by HClO ₄ On Dried	97.5 - 102.5 %
Purity (TLC)	≥ 98 %
Arsenic (As)	≤ 3 ppm
Cadmium (Cd)	≤ 1 ppm
Mercury (Hg)	≤ 1 ppm
Lead (Pb)	≤ 10 ppm
Expiration Date Period 5 Years	-----

Specification: PRD.0.ZQ5.10000076191

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.