

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

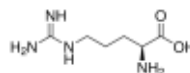
Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
L-Arginine - 99%, FCC, FG

**Product Number:** W381918  
**CAS Number:** 74-79-3  
**MDL:** MFCD00002635  
**Formula:** C6H14N4O2  
**Formula Weight:** 174.20 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals
Infrared spectrum	Conforms to Structure
Purity (Titration by HClO4)	98.5 - 101.5 %
Dried Basis	
Optical Rotation	26.0 - 27.9 deg
On Dried	
c = 8% 6N HCl at 20 Deg C	
Foreign Insoluble Matter	≤ 0.005 %
Loss on Drying	≤ 1.0 %
3 Hours; 105 Deg C	
Residue on ignition (Ash)	≤ 0.2 %
15 Minutes; 800 Deg C	
Arsenic (As)	≤ 3 ppm
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Cadmium (Cd)	≤ 1 ppm
Mercury (Hg)	≤ 1 ppm
Lead (Pb)	≤ 5 ppm
Expiration Date Period	-----
5 Years	

Specification: PRD.4.ZQ5.10000014195

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](http://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.