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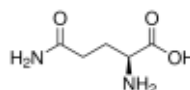
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## Product Specification

Product Name:  
L-Glutamine - ReagentPlus<sup>®</sup>, ≥99% (HPLC)

**Product Number:** G3126  
**CAS Number:** 56-85-9  
**MDL:** MFCD00008044  
**Formula:** C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>  
**Formula Weight:** 146.14 g/mol



### TEST

### Specification

Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear to Slightly Hazy
50 mg/mL, 1M HCl	
Infrared spectrum	Conforms to Structure
Carbon	40.3 - 41.9 %
Nitrogen	18.8 - 19.6 %
Specific Rotation	Confirmed
Consistent with optical isomer	
Ammonia (NH <sub>3</sub> )	≤ 0.2 %
Purity (HPLC)	≥ 99 %
Recommended Retest Period	-----
6 Years	

Specification: PRD.2.ZQ5.10000010719

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.