

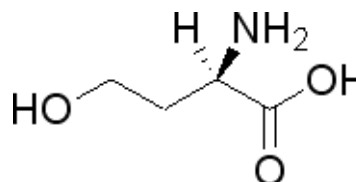
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## Product Specification

Product Name:  
D-Homoserine

Product Number: **H4021**  
CAS Number: 6027-21-0  
MDL: MFCD00077786  
Formula: C<sub>4</sub>H<sub>9</sub>NO<sub>3</sub>  
Formula Weight: 119.12 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
50 mg/mL in H <sub>2</sub> O	
Infrared spectrum	Conforms to Structure
Carbon	39.3 - 41.3 %
Nitrogen	11.4 - 12.1 %
Specific Rotation	7.8 - 8.8 °
C = 5, in water at 25 deg C	
Purity (TLC)	≥ 98 %

Specification Date : 04/01/2011

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.