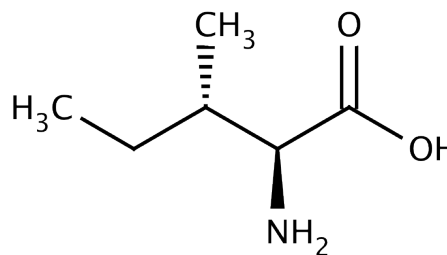


## Product Specification

Product Name : L-Isoleucine  
Glentham Code : GM6591  
CAS Number : 73-32-5  
EINECS : 200-798-2  
MDL Number : MFCD00064222  
PubChem SID : 310275405

Molecular Weight : 131.18  
Molecular Formula : C<sub>6</sub>H<sub>13</sub>NO<sub>2</sub>  
Storage Temp. : +20°C



Property	Specification
Physical Description	White crystals or crystalline powder
Identification	IR
pH (1% in water)	5.5 - 7.0
Specific Optical Rotation	+38.9 - +41.8 °
Residue on Ignition	≤ 0.3%
Loss on Drying	≤ 0.3%
Chloride (Cl)	≤ 500ppm
Iron (Fe)	≤ 30ppm
Sulphate (SO <sub>4</sub> )	≤ 300ppm
Ammonium (NH <sub>4</sub> )	≤ 200ppm
Heavy Metals	≤ 10ppm
Lead (Pb)	≤ 3ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤ 1ppm
Cadmium (Cd)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Assay	98.5 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version : v1.0  
Date Created : 2014-05-16

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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