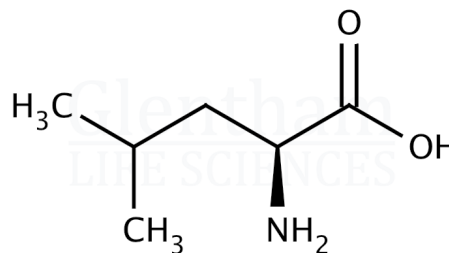


## Product Specification

Product Name	L-Leucine
Glentham Code	GM6205
CAS Number	61-90-5
EINECS	200-522-0
MDL Number	MFCD00002617
PubChem SID	310275745
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 to almost white crystals or crystalline powder
Identification (IR)	To conform to standard
pH (1% in water)	5.5 - 7.0
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+14.9 - +17.3 ° (c=4, 6N HCl)
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.2% (105°C, 3h)
Any Individual Impurity (TLC)	≤ 0.5%
Total Impurities (TLC)	≤ 2.0%
Chloride (Cl)	≤ 0.05%
Sulphate (SO <sub>4</sub> )	≤ 0.03%
Iron (Fe)	≤ 30ppm
Heavy Metals	≤ 15ppm
Lead (Pb)	≤ 3ppm
Arsenic (As)	≤ 1ppm
Cadmium (Cd)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Assay (Titration)	98.5 - 101.5 % (dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.2
Date Created	-	2022-10-03

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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