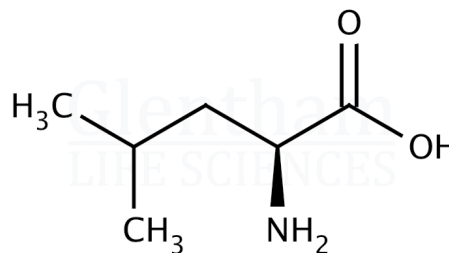


Product Specification

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	$C_6H_{13}NO_2$
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 ₄)	≤ 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 or contact us using the details above for the current version of this document.

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