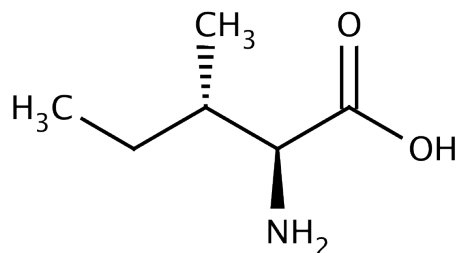


Product Specification

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 ₆ H ₁₃ NO ₂
Storage Temp.	+20°C



Property	Specification
Physical Description	White to off-white powder or crystals
Identification (IR)	To conform to standard
pH (1% in water)	5.5 - 7.0
Specific Optical Rotation ($[\alpha]_{20/D}$)	+38.9 - +41.8 ° (C=4, 6M HCl)
Residue on Ignition	≤ 0.3%
Loss on Drying	≤ 0.3%
Chloride (Cl)	≤ 500ppm
Iron (Fe)	≤ 30ppm
Sulphate (SO ₄)	≤ 300ppm
Ammonium (NH ₄)	≤ 200ppm
Heavy Metals	≤ 10ppm
Lead (Pb)	≤ 3ppm
Arsenic (As ₂ O ₃)	≤ 1ppm
Cadmium (Cd)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Assay	98.5 - 101.0 %
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.1
Date Created	-	2021-02-04

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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