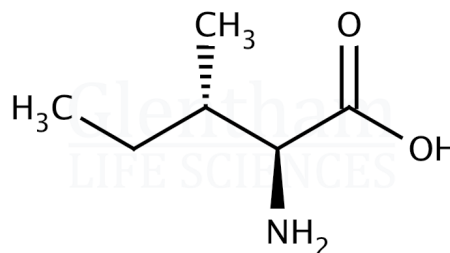


## Product Specification

Product Name	L-Isoleucine, GlenCell™, suitable for cell culture
Glentham Code	GM8967
CAS Number	73-32-5
EINECS	200-798-2
MDL Number	MFCD00064222
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
Solubility (5% in 1M HCl)	Clear, colourless solution
Transmittance	≥ 98.0%
Specific Optical Rotation	+39.5 - +41.5 °
Chloride (Cl)	≤ 0.02%
Ammonium (NH <sub>4</sub> )	≤ 0.02%
Sulphate (SO <sub>4</sub> )	≤ 0.02%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 10ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤ 1ppm
Valine	≤ 0.3%
Leucine	≤ 0.3%
Any Unspecified Impurity	≤ 0.2%
Total Impurities	≤ 1.0%
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.2%
pH (10% in water)	5.5 - 6.5
Endotoxins	≤ 6.0EU/g
Assay	99.0 - 101.0 %
Pharmacopoeia Specification(s)	EP, USP
Origin	Non-animal origin

Specification Version	- v1.1
Date Created	- 2023-02-07

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024