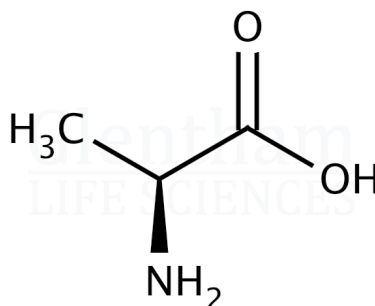


Product Specification

Product Name	L-Alanine, GlenCell™, suitable for cell culture
Glentham Code	GM0361
CAS Number	56-41-7
EINECS	200-273-8
MDL Number	MFCD00064410
Molecular Weight	89.09
Molecular Formula	C ₃ H ₇ NO ₂
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystals or crystalline powder
Identification	IR
Solubility (10% in water)	Clear, colourless solution
Transmittance	≥ 98.0%
Specific Optical Rotation	+14.3 - +15.2 °
Chloride (Cl)	≤ 0.02%
Ammonium (NH ₄)	≤ 0.02%
Sulphate (SO ₄)	≤ 0.02%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 10ppm
Arsenic (As ₂ O ₃)	≤ 1ppm
Any Unspecified Impurity	≤ 0.1%
Total Impurities	≤ 0.5%
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.2%
pH (10% in water)	5.7 - 6.7
Endotoxins	≤ 6.0EU/g
Assay	99.0 - 101.0 % (dried basis)
Origin	Non-animal origin

Specification Version	-	v1.0
Date Created	-	2016-08-18

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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