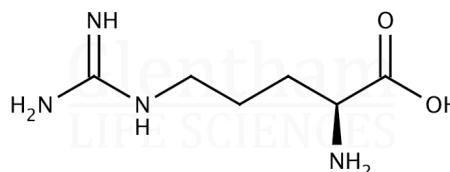


## Product Specification

Product Name	L-Arginine, GlenCell™, suitable for cell culture
Glentham Code	GM1092
CAS Number	74-79-3
EINECS	200-811-1
MDL Number	MFCD00002635
Molecular Weight	174.20
Molecular Formula	$C_6H_{14}N_4O_2$
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder
Identification	IR
Solubility	Freely soluble in water and in formic acid, practically insoluble in ethanol
Solubility (10% in water)	Clear, colourless solution
Transmittance	≥ 98.0% (10% in water, 430nm, 10mm cell)
Specific Optical Rotation	+26.9 - +27.9 °
Chloride (Cl)	≤ 0.02%
Ammonium (NH4)	≤ 0.02%
Sulphate (SO4)	≤ 0.02%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 10ppm
Arsenic (As2O3)	≤ 1ppm
Any Unspecified Impurity	≤ 0.2%
Total Impurities	≤ 2.0%
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.3%
pH (10% in water)	10.5 - 12.0
Endotoxins	≤ 6.0EU/g
Assay	98.5 - 101.0 % (dried basis)
Origin	Non-animal origin

Specification Version	-	v1.0
Date Created	-	2016-06-22

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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