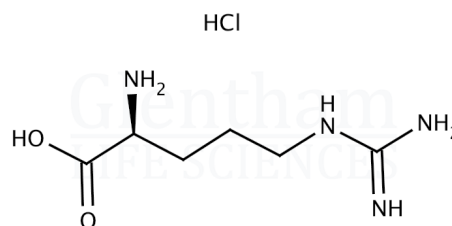


## Product Specification

Product Name	L-Arginine hydrochloride, GlenCell™, suitable for cell culture
Glentham Code	GM1372
CAS Number	1119-34-2
EINECS	214-275-1
MDL-Nummer	MFCD00064550
Molecular Weight	210.67
Molecular Formula	$C_6H_{14}N_4O_2 \cdot HCl$
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder
Identification	IR
Solubility	Freely soluble in water, very slightly soluble in alcohol
Solubility (10% in water)	Clear, colourless solution
Transmittance	≥ 98.0%
Specific Optical Rotation	+21.5 - +23.5 °
Chloride (Cl)	16.6 - 17.0 %
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
Related Substances	≤ 0.4%
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.2%
pH	4.7 - 6.2
Endotoxins	≤ 6.0EU/g
Assay	99.0 - 101.0 %
Origin	Non-animal origin
Pharmacopoeia Specification(s)	EP, USP

Specification Version	-	v1.0
Date Created	-	2016-08-25

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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