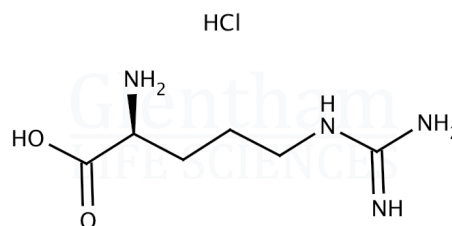


Product Specification

Product Name	L-Arginine hydrochloride, GlenCell™, suitable for cell culture
Glenthams Code	GM1372
CAS Number	1119-34-2
EINECS	214-275-1
MDL Number	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 ₄)	≤ 0.02%
Sulphate (SO ₄)	≤ 0.02%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 10ppm
Arsenic (As ₂ O ₃)	≤ 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

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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