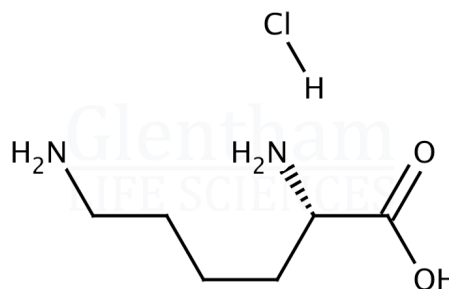


Product Specification

Product Name	L-Lysine monohydrochloride, GlenCell™, suitable for cell culture
Glentham Code	GM9011
CAS Number	657-27-2
EINECS	211-519-9
MDL Number	MFCD00064564
Molecular Weight	182.65
Molecular Formula	$C_6H_{14}N_2O_2 \cdot HCl$
Storage Temp.	+20°C



Property	Specification
Physical Description	White powder
Identification	IR
Solubility	Freely soluble in formic acid, sparingly soluble in water, practically insoluble in ethanol
Solubility (10% in water)	Clear, colourless solution
Transmittance	≥ 98.0% (10% in water, 430nm, 10mm cell)
Specific Optical Rotation	+20.8 - +21.5 ° (C=8, 6M HCl)
Chloride (Cl)	19.12 - 19.51 %
Ammonium (NH4)	≤ 0.02%
Sulphate (SO4)	≤ 0.02%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 10ppm
Arsenic (As2O3)	≤ 1ppm
Related Substances	To pass test
Loss on Drying	≤ 0.4%
Sulphated Ash	≤ 0.1%
pH	5.0 - 6.0 (10% in water)
Endotoxins	≤ 6.0EU/g
Assay	98.5 - 101.0 %
Origin	Non-animal origin

Specification Version	- v1.0
Date Created	- 2016-04-22

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 or contact us using the details above for the current version of this document.

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