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## **Product Specification**

Product Name L-Lysine monohydrochloride, GlenCell™,

suitable for cell culture

 Glentham Code
 GM9011

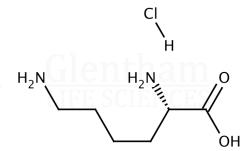
 CAS Number
 657-27-2

 EINECS
 211-519-9

 MDL Number
 MFCD00064564

 $\begin{array}{ll} \mbox{Molecular Weight} & \mbox{182.65} \\ \mbox{Molecular Formula} & \mbox{C}_6\mbox{H}_{14}\mbox{N}_2\mbox{O}_2 \cdot \mbox{HCl} \end{array}$ 

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 HCI) Chloride (CI) 19.12 - 19.51 % ≤ 0.02% Ammonium (NH4) Sulphate (SO4) ≤ 0.02% Iron (Fe) ≤ 10ppm Heavy Metals (as Pb) ≤ 10ppm Arsenic (As2O3) ≤ 1ppm Related Substances To pass test ≤ 0.4% Loss on Drying Sulphated Ash ≤ 0.1% 5.0 - 6.0 (10% in water) **Endotoxins** ≤ 6.0EU/g Assay 98.5 - 101.0 % Non-animal origin 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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