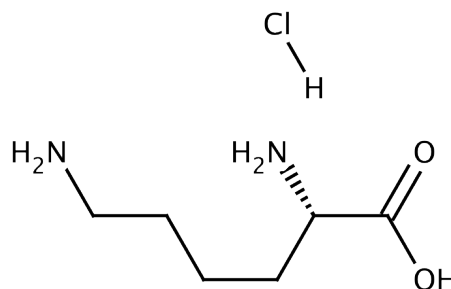


Product Specification

Product Name	L-Lysine monohydrochloride
Glentham Code	GM7532
CAS Number	657-27-2
EINECS	211-519-9
MDL Number	MFCD00064564
PubChem SID	310275930
Molecular Weight	182.65
Molecular Formula	C ₆ H ₁₄ N ₂ O ₂ · HCl
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder or colourless crystals
Identification	IR
Solubility (10% in water)	Clear, colourless solution
pH (10% in water)	5.0 - 6.0
Specific Optical Rotation	+20.4 - +21.4 °
Chloride (Cl)	19.0 - 19.6 %
Sulphate	≤ 0.03%
Iron (Fe)	≤ 30ppm
Heavy Metals	≤ 15ppm
Organic Impurities	Any Individual Impurity: ≤ 0.5%
	Total Impurities: ≤ 2.0%
Residue on Ignition	≤ 0.1%
Cadmium (Cd)	≤ 1ppm
Lead (Pb)	≤ 3ppm
Mercury (Hg)	≤ 0.1ppm
Arsenic (As)	≤ 1ppm
Loss on Drying	≤ 0.4%
Assay	99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.1
Date Created	-	2016-04-12

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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