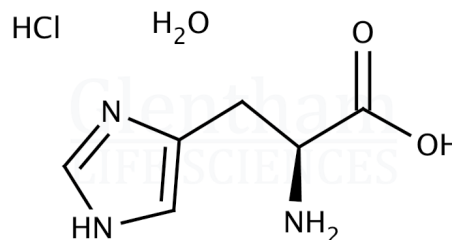


Product Specification

Product Name	L-Histidine monohydrochloride monohydrate, GlenCell™, suitable for cell culture
Glentham Code	GM2021
CAS Number	5934-29-2
EINECS	211-438-9
MDL Number	MFCD00151027
Additional CAS	645-35-2 (anhydrous)
Additional CAS	1007-42-7

Molecular Weight	209.63
Molecular Formula	$C_6H_9N_3O_2 \cdot HCl \cdot H_2O$
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystals or crystalline powder
Identification	IR
Solubility	Freely soluble in water and in formic acid, practically insoluble in ethanol
Solubility (10% in water)	Clear, colourless solution
Transmittance	≥ 98.0% (10% in water, 430nm, 10mm cell)
Specific Optical Rotation	+9.2 - +10.6 ° (C=11, 6M HCl)
Chloride (Cl)	16.6 - 17.1 %
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	To pass test
Water (KF)	7.2 - 10.0 %
Sulphated Ash	≤ 0.1%
pH	3.5 - 4.5 (10% in water)
Endotoxins	≤ 6.0EU/g
Assay	99.0 - 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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