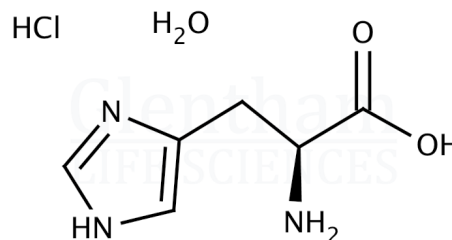


## Certificate of Analysis

Product Name	L-Histidine monohydrochloride monohydrate, 99%, non-animal origin
Glentham Code	GM0900
CAS Number	5934-29-2
EINECS	211-438-9
MDL Number	MFCD00151027
Additional CAS	645-35-2 (anhydrous)
Additional CAS	1007-42-7
Batch Number	158DFK
Molecular Weight	209.63
Molecular Formula	$C_6H_9N_3O_2 \cdot HCl \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 158DFK
Physical Description	White or almost white crystalline powder	White crystalline powder
Solubility (5% in water)	Clear, colourless to very faint yellow solution	Clear, colourless solution
pH (10% in water)	3.0 - 5.0	4.05
Lead (Pb)	≤ 3ppm	Conforms
Cadmium (Cd)	≤ 1ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Mercury (Hg)	≤ 0.1ppm	Conforms
Sulphated Ash	≤ 0.1%	0.04%
Loss on Drying	7.0 - 10.0 % (105°C)	9.29%
Assay	98.5 - 100.5 % (dried substance)	99.49%
Origin	Vegetal fermentation	Conforms

Specification Version	v1.0
Manufacture Date	2019-03-22
Re-Test Date	2028-06-09

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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