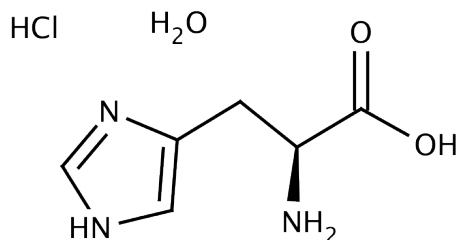


## Product Specification

Product Name	L-Histidine monohydrochloride monohydrate, EP grade
Glentham Code	GM1189
CAS Number	5934-29-2
EINECS	211-438-9
MDL Number	MFCD00151027
Additional CAS	645-35-2 (anhydrous)
Additional CAS	1007-42-7
PubChem SID	310274642
Molecular Weight	209.63
Molecular Formula	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> · HCl · H <sub>2</sub> O
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder, or colourless crystals
Identification	According to EP
Solubility (5% in water)	Clear, colourless to faint yellow solution
pH (5% in water)	3.0 - 5.0
Specific Optical Rotation	+9.2 - +10.6 °
Sulphates	≤ 300ppm
Ammonium	≤ 200ppm
Heavy Metals	≤ 10ppm
Iron (Fe)	≤ 10ppm
Lead (Pb)	≤ 3ppm
Cadmium (Cd)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Sulphated Ash	≤ 0.1%
Loss on Drying	7.0 - 10.0 %
Assay (Titration)	98.5 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	EP

Specification Version	-	v1.1
Date Created	-	2015-10-20

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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