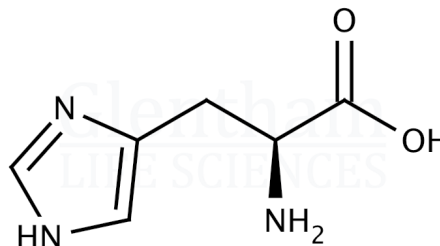


## Product Specification

Product Name	L-Histidine, Ph. Eur., USP grade
Glentham Code	GM1595
CAS Number	71-00-1
EINECS	200-745-3
MDL Number	MFCD00064315
PubChem SID	310274638
Molecular Weight	155.16
Molecular Formula	$C_6H_9N_3O_2$
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder
Identification	IR
Solubility (5% in water)	Clear, colourless solution
pH (2% in water)	7.0 - 8.5
Specific Optical Rotation	+11.4 - +12.4 °
Ammonium (NH <sub>4</sub> )	≤ 0.02%
Chloride (Cl)	≤ 0.02%
Sulphate (SO <sub>4</sub> )	≤ 0.02%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 5ppm
Lead (Pb)	≤ 3ppm
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Cadmium (Cd)	≤ 1ppm
Any Individual Impurity	≤ 0.2%
Total Impurities	≤ 0.5%
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.2%
Assay	99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	EP, USP, FCC

Specification Version	-	v1.1
Date Created	-	2015-12-14

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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