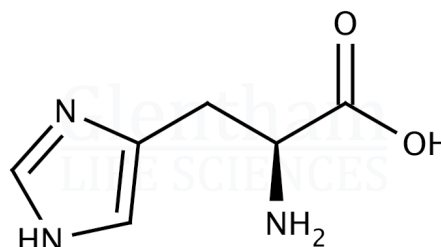


Certificate of Analysis

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
Batch Number	192WEJ
Molecular Weight	155.16
Molecular Formula	C ₆ H ₉ N ₃ O ₂
Storage Temp.	+20°C



Property	Specification	Batch 192WEJ
Physical Description	White crystalline powder	White crystalline powder
Identification	IR	Conforms
Solubility (5% in water)	Clear, colourless solution	Conforms
pH (2% in water)	7.0 - 8.5	7.7
Specific Optical Rotation	+11.4 - +12.4 °	11.8°
Ammonium (NH ₄)	≤ 0.02%	Conforms
Chloride (Cl)	≤ 0.02%	Conforms
Sulphate (SO ₄)	≤ 0.02%	Conforms
Iron (Fe)	≤ 10ppm	Conforms
Heavy Metals (as Pb)	≤ 5ppm	Conforms
Arsenic (As ₂ O ₃)	≤ 1ppm	Conforms
Any Individual Impurity	≤ 0.2%	0.0%
Total Impurities	≤ 0.5%	0.0%
Residue on Ignition	≤ 0.1%	Conforms
Loss on Drying	≤ 0.2%	≤ 0.1%
Assay	99.0 - 101.0 % (dried basis)	100.3%
Pharmacopoeia Specification(s)	EP, USP	Conforms

Specification Version	v1.2
Manufacture Date	2024-04-06
Re-Test Date	2031-01-13

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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