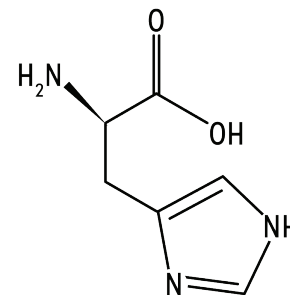


Product Specification

Product Name	L-Histidine
Compendia	USP/EP/JP
CAS #	71-00-1
Formula	C ₆ H ₉ N ₃ O ₂
Molecular Weight	155.15
Description	White crystals or crystalline powder; slightly bitter taste
Solubility	Freely soluble in formic acid and soluble in water, practically insoluble in ethanol (99.5).
Identification	Dissolves in 6 mol/L hydrochloric acid. Compare the infrared absorption spectrum of the sample with that of the standard by potassium bromide disc method.



Test	Specification
Specific Rotation @ 20°C	+12.0 to +12.8°
State of Solution	Clear and Colorless; Not less than 98.0%
Chloride (Cl)	Not more than 0.020%
Ammonium (NH₄)	Not more than 0.02%
Sulfate (SO₄)	Not more than 0.020%
Iron (Fe)	Not more than 10ppm
Heavy Metals (Pb)	Not more than 10ppm
Arsenic (As₂O₃)	Not more than 1ppm
Related Substances	1) Conforms 2) Any unspecified impurity: Not more than 0.20%; Total impurities: Not more than 0.50%
Loss on Drying	Not more than 0.20%
Residue on Ignition (Sulfated)	Not more than 0.10%
Assay	99.0 to 101.0%
pH	7.0 to 8.5
Endotoxin	Less than 6.0 EU/g