



**Specification for L-Histidine, USP, JP, bioCERTIFIED(TM)
(H9400)**

Item Number	H9400
Item	L-Histidine, USP, JP, bioCERTIFIED(TM)
CAS Number	71-00-1
Molecular Formula	C6H9N3O2
Molecular Weight	155.15
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
ASSAY (DRIED BASIS)	99.0	101.0 %
pH	7.0	8.5
SPECIFIC ROTATION, (DRIED BASIS, JP), [α]D20	+11.8° to +12.8°	
SPECIFIC ROTATION, USP, [α]D25	+12.6° to +14.0°	
APPEARANCE OF SOLUTION	CLEAR & COLORLES	
LOSS ON DRYING		0.2 %
RESIDUE ON IGNITION (SULFATED ASH)		0.1 %
RELATED SUBSTANCES (JP-TLC METHOD)	CONFORMS	
RELATED COMPOUNDS (USP-TLC METHOD):		
INDIVIDUAL IMPURITIES		0.5 %
TOTAL IMPURITIES		2.0 %
AMMONIUM		0.2 %
CHLORIDE (Cl)		0.021 %
SULFATE (SO4).		0.028 %
IRON (Fe)		10 ppm
HEAVY METALS (Pb)		10 ppm
ELEMENTAL IMPURITIES	AS REPORTED	
MICROBIAL LIMITS:		
TOTAL MICROORGANISM		100 CFU/g
MOLD		10 CFU/g
BACTERIAL ENDOTOXINS		6.0 EU/g
IDENTIFICATION	TO PASS TEST	
EXPIRATION DATE		
DATE OF MANUFACTURE		

Test	Specification	
	Min	Max
APPEARANCE		
RESIDUAL SOLVENTS	TO PASS TEST	

Spectrum Chemical Mfg Corp

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