



Specification for L-Histidine Hydrochloride, Monohydrate, JP,  
bioCERTIFIED (TM) (HI945)

Item Number	HI945
Item	L-Histidine Hydrochloride, Monohydrate, JP, bioCERTIFIED (TM)
CAS Number	5934-29-2
Molecular Formula	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> •HCl•H <sub>2</sub> O
Molecular Weight	209.63
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE	TO PASS TEST	
ASSAY (ANHYDROUS BASIS)	99.0	101.0 %
pH	3.5	4.5
SPECIFIC ROTATION [α] <sub>D20</sub>	+9.2° to +10.6°	
CLARITY AND COLOR OF SOLUTION	Clear, colorless	
WATER	7.2	10.0 %
RESIDUE ON IGNITION		0.1 %
RELATED SUBSTANCES (JP-TLC METHOD)		Conforms
AMMONIUM		0.02 %
SULFATE (SO <sub>4</sub> )		0.028 %
IRON (Fe)		10 ppm
HEAVY METALS (Pb)		10 ppm
BACTERIAL ENDOTOXINS		6.0 EU/g
TOTAL MICROORGANISM		100 CFU/g
MOLD		10 CFU/g
ESCHERICHIA COLI		Negative
IDENTIFICATION		TO PASS TEST
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS		AS REPORTED

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