

Excipient

GMP Manufactured Product

L-HISTIDINE Monochloride, Monohydrate, LBLE, EP, JP, GMP Excipient Grade

Low Bioburden, Low Endotoxin, GMP Manufactured

INTENDED FOR USE AS AN EXCIPIENT

L-Histidine Monochloride, Monohydrate has been manufactured for use as a critical process chemical for downstream biological drug manufacturing. L-Histidine Monochloride, Monohydrate has been manufactured and purified under strict ICH-Q7 guidelines for excipient materials and can be considered an excipient grade product.

Lead Time (If No Stock): 3-6 months Minimum Order Quantity: 25kg OH · H₂O

CAS #: 5934-29-2

Molecular Formula: $C_6H_9N_3O_2$ HCl • H_2O

F.W.: 209.64 g/mol

Solubility in Water (g/L): 149.55

pH @ 20°C: 4.38 - 4.48

BIO PHARMA GRADE | Product Code: LHMM-4250

C₆H₄N₃O₂•HCl • H₂O F.W. 209.64 g/mol. CAS# 5934-29-2

	ANALYSIS	SPECIFICATIONS	
	Ammonium	≤ 0.02%	
	Appearance of Solution	Passes Test	
	Assay (Dried Substance)	99.0 - 101.0%	
	Identification A, Specific Optical Rotation (dried substance)	+9.2° to +10.6°	
	Identification B, pH	3.0-5.0	
	Identification C, IR	Passes Test	
	Identification D	Passes Test	
	Identification E	Passes Test	
	Identification F	Passes Test	
	Iron	≤ 10 ppm	
	Loss on Drying	7.0 – 10.0%	
	Ninhydrin- positive substances Any Individual Impurity Total Impurities	≤0.2% ≤0.5%	
	Sulphated Ash	≤ 0.1%	
	Sulphates	≤300ppm	



EP Compendia

L-HISTIDINE Monochloride Monohydrate Bio Excipient

ANALYSIS	SPECIFICATIONS
Ammonium	≤ 0.02%
Assay (Anhydrous basis)	99.0-101.0%
Clarity and Color of Solution	Clear and colorless
Identification 1, IR	Passes Test
Identification 2, Chloride	Passes Test
Heavy Metals	≤ 10 ppm
Iron	≤ 10ppm
Optical Rotation	+9.2° to +10.6°
рН	3.5-4.5
Related Substances	Passes Test
Residue on Ignition	≤0.1%
Sulfate	≤0.028%
Water	7.2-10.0%

Additional

ANALYSIS	SPECIFICATIONS
Appearance and Color	White or colorless crystalline powder crystals
Bioburden	≤100CFU/g
Endotoxin	≤100EU/g

General Product Description:

- L-Histidine Monochloride Monohydrate is produced at our cGMP platform in India and then shipped to our Bangor, PA facility where it is tested and repackaged under cGMP conditions.
- L-Histidine, Monochloride, Monohydrate is a White Crystalline product.
- Molecular Formula: C₆H₉N₃O₂ •HCl H₂O
- Molecular Weight: 209.64 g/mol.
- CAS Number: 5934-29-2
- There are no known major food allergens (as defined by FDA and WHO) in the manufacture of this product.
- BioSpectra certifies that all L-Histidine, Monochloride, Monohydrate, LHMM-4250 manufactured at BioSpectra and its raw materials are not derived from or come in contact with animal parts, products, and/or byproducts.
- L-Histidine, Monochloride, Monohydrate manufactured at our cGMP platform in India and any raw materials used in the manufacture of LHistidine, Monochloride, Monohydrate at BioSpectra are not subject to genetic modification.
- Synonyms: L-α-Amino-β-(4-imidazolyl)propionic acidmonochloride;
 4-Hydroxy-2-methyl-1,1-dioxo-N-(pyridin-2-yl)-1, 2-dihydro-1lamb; da6,2-benzothiazine-3-carboxamide.

GMP Compliance:

Bio Pharma Grade L-Histidine
Monochloride Monohydrate, LHMM-4250,
is suitable for use as an excipient. It is
manufactured in accordance with the IPECPQG Joint Good Manufacturing Practice
Guide For Excipients. This grade of Bis- Tris
HCl is not suitable to be used as an Active
Pharmaceutical Ingredient, Drug, Drug
Product or Household Item.

Retest Date:

The recommended retest period for L-Histidine, Monochloride, Monohydrate is two years from the date of manufacture.

Storage and Shipping Conditions:

Ship and Store in ambient temperature.

Package Sizes:

10kg, 25 kg and 50 kg pails.

Country of Origin:

India

This product is then repacked and retested under cGMP at our Bangor USA cGMP FDA Regulated Facility.

