

HISTIDINE (L) MONOCHLORIDE MONOHYDRATE, SYNTHETIC BIOTECH, MEETS EP, JP, LBLE, GMP BIO QUALIFIED GRADE / LHMM-6350

$C_6H_9N_3O_2 \cdot HCl \cdot H_2O$ * F.W. 209.64 g/mol * CAS# 5934-29-2

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

L-Histidine Monohydrochloride, Monohydrate Biotech has been synthesized and purified under full GMP Conditions and meets multicompendial applications.

SPECIFICATIONS

ANALYSIS	SPECIFICATIONS	
Ammonium (EP/JP)	≤ 0.02%	
Appearance of Solution (EP)	Passes Test	
Appearance and Color	White crystalline powder or crystals	
Assay, Dried Substance (EP)	98.5 – 101.0%	
Assay, Anhydrous Basis (JP)	99.0 – 101.0%	
Bioburden	< 100 CFU/g	
Endotoxin	< 100 CFU/g	
Identification, Specific Optical Rotation (EP-A)	+9.2° to +10.6°	
Identification B, pH (EP)	3.0 – 5.0	
Identification, IR (EP-C/JP-1)	Conforms to Reference Standard	
Identification D (EP)	Passes Test	
Identification E (EP)	Passes Test	
Identification F (EP)	Passes Test	
Identification 2, Chloride (JP)	Passes Test	
Iron (EP/JP)	≤ 10 ppm	
Heavy Metals (JP)	≤ 10 ppm	
Loss on Drying (EP)	7.0 – 10.0%	
Ninhydrin-positive substances (EP)	Any Individual Impurity	≤ 0.2%
	Total Impurities	≤ 0.5%
Optical Rotation (JP)	+9.2° to +10.6°	
pH (JP)	3.5 – 4.5	
Related Substances (JP)	Passes Test	
Residue on Ignition / Sulfated Ash (EP/JP)	≤ 0.1 %	
Sulfates (EP)	≤ 300 ppm	
Sulfates (JP)	≤ 280 ppm	
Clarity and Color of Solution (JP)	Clear and Colorless	
Water, KF (JP)	7.2 – 10.0%	

General Product Description:

Molecular Formula: $C_6H_9N_3O_2 \cdot HCl \cdot H_2O$

Molecular Weight: 209.64 g/mol

CAS Number: 5934-29-2

L-Histidine Monohydrochloride, Monohydrate Biotech:

- Appears as a white crystalline product.
- Is manufactured under an ISO Quality Managed cGMP System
- Manufactured in an enzyme free, hormone free and animal free environment
- Has no known major food allergens (as defined by FDA and WHO)
- The final product nor its raw materials are not derived from nor come into contact with animals, animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: L- α -Amino- β -(4-imidazolyl) propionic acid monochloride

Shelf Life Policy:

Three-year expiry from the date of manufacture.

Storage and Shipping Conditions:

Please refer to the SDS for storage and shipping conditions.

Package Size:

100g, 500g, 1kg, 5kg, 10kg, 25kg, 50kg