

HISTIDINE (L) MONOHYDROCHLORIDE MONOHYDRATE BIOTECH, MEETS EP, JP, LBLE, GMP BIO QUALIFIED GRADE / LHMM-6250

$C_6H_9N_3O_2 \cdot HCl \cdot H_2O$ \wedge F.W. 209.64 g/mol \wedge 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)		$\leq 0.02\%$
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)		$+9.2^\circ$ to $+10.6^\circ$
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	$\leq 0.2\%$
	Total Impurities	$\leq 0.5\%$
Optical Rotation (JP)		$+9.2^\circ$ to $+10.6^\circ$
pH (JP)		3.5 – 4.5
Related Substances (JP)		Passes Test
Residue on Ignition / Sulfated Ash (EP/JP)		$\leq 0.1\%$
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