

L-ARGININE HYDROCHLORIDE

BIOTECH, USP, EP, JP, GMP

CAS #: 1119-34-2

Formula: $C_6H_{14}N_4O_2 \text{ HCl}$

F.W.: 210.66 g/mol

LARH-6350

BIO QUALIFIED GRADE

ANALYSIS		SPECIFICATIONS
Appearance		White or almost white crystalline powder or colorless crystals
Ammonium (EP/JP)		≤ 200 ppm
Appearance of Solution (EP)		Clear, Colorless Solution
Arsenic (JP)		≤ 2 ppm
Assay, Dried Basis (USP/EP/JP)		98.5 – 101.0%
Chloride Content (USP)		16.5 – 17.1%
Clarity and Color of Solution (JP)		Passes Test
Endotoxin		≤ 5 IU/g
Heavy Metals (JP)		≤ 20 ppm
Identification, IR (USP-A/EP-B/JP-1)		Conforms to Reference Standard
Identification, Specific Optical Rotation (EP-A/USP/JP)		$+21.5^\circ$ to $+23.5^\circ$
Identification C, TLC (EP)		Passes Test
Identification D, Color (EP)		Passes Test
Identification, Chlorides (EP-E/JP-2)		Passes Test
Iron (EP)		≤ 10 ppm
Loss on Drying (USP/EP/JP)		$\leq 0.20\%$
Microbial Content		TAMC ≤ 100 CFU/g TYMC ≤ 10 CFU/g
Ninhydrin-Positive Substances (USP/EP)	Each Individual Impurity	$\leq 0.2\%$
	Total Impurities	$\leq 0.5\%$
pH (1 in 10) (JP)		4.7 – 6.2
Related Substances (USP/JP)		Passes Test
Residue on Ignition, Sulfated Ash (USP/EP/JP)		$\leq 0.1\%$
Sulfate (USP/EP/JP)		$\leq 0.028\%$

Country of Origin: India

Blended, Tested, Packaged in Bangor, PA, USA under full GMP conditions.

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

L-Arginine Hydrochloride is the mono hydrochlorinated version of the base amino acid, L-Arginine. This product is synthesized under full GMP conditions.

General Product Description

- Appears as a white or near white crystalline powder
- Manufactured under a Quality Managed cGMP System
- Manufactured in an enzyme free, hormone free and animal free environment
- No known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts/derivatives.
- Is not subject to genetic modification
- Synonyms: L-Arginine monohydrochloride, (S)-(+)-Arginine hydrochloride, L Arg. HCl
- Visit the product page on our website (www.biospectra.us) for additional information, supporting regulatory documents, and CofAs.

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf Life Policy

Each Certificate of Analysis (CofA) will contain a 2-year retest/recertification date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Package Sizes

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

Standard Lead Time

1-2 weeks