

# L-ARGININE HYDROCHLORIDE

**BIOTECH, USP, EP, JP, GMP**
**CAS #: 1119-34-2**
**Formula: C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub> 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° to +23.5°
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)		≤ 0.20%
Microbial Content		TAMC ≤ 100 CFU/g TYMC ≤ 10 CFU/g
Ninhydrin-Positive Substances (USP/EP)	Each individual	≤ 0.2%
	Impurity Total Impurities	≤ 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)		≤ 0.1%
Sulfate (USP/EP/JP)		≤ 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 hydro-chlorinated 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](http://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