

L-ARGININE HYDROCHLORIDE

USP, EP, JP, GMP

CAS #: 1119-34-2

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

F.W.: 210.66 g/mol

LARH-6350

BIO QUALIFIED GRADE

ANALYSIS		SPECIFICATIONS
Appearance and Color		White or Almost White Crystalline Powder or Colorless Crystals
Ammonium (EP/JP)		< = 200 ppm
Appearance of Solution (EP)		Clear, Colorless Solution
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 EU/g
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 (EP)		Passes Test
Identification D (EP)		Passes Test
Identification, Chlorides (EP-E/JP-2)		Passes Test
Loss on Drying (USP/EP/JP)		< = 0.20%
Microbial Content	TAMC TYMC	< = 100 CFU/g < = 10 CFU/g
Ninhydrin-Positive Substances (USP/EP)	Each Individual Impurity	< = 0.2%
	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)		< = 280 ppm
Trace Metals	Arsenic (As)	< = 2 ppm
	Iron (Fe) (EP)	< = 10 ppm
	Lead (Pb)	< = 20 ppm

General Product Overview

L-Arginine Hydrochloride is the monohydrochloride version of the base amino acid, L-Arginine. This product is synthesized under cGMP conditions.

Industry Application

Suitable for use in biological and biotech chemical process applications from R&D through scale cGMP production.

Key Product Features

- Appears as a white to almost white crystalline powder or colorless crystals
- GMP manufactured in accordance with the QMS
- Manufactured in an enzyme free, hormone free and animal free environment
- Contains 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 or derivatives.
- Is not subject to genetic modification
- Synonyms: L-Arginine monohydrochloride; L Arg. HCl; (2S)-2-amino-5-(diaminomethylideneamino) pentanoic acid; hydrochloride

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf-Life Policy

Unless otherwise noted on the Shelf-Life Statement and CoA, this product has a 2-year retest date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Package Sizes

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

[Click here to view SDS, CoAs and other supporting regulatory documents on our website.](#)

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