

L-ARGININE HYDROCHLORIDE

USP, EP, JP, GMP

CAS #: 1119-34-2

 Formula: C₆H₁₄N₄O₂ · 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) Iron (Fe) (EP) Lead (Pb)	< = 2 ppm < = 10 ppm < = 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; (25)-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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