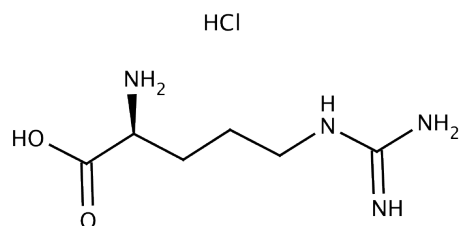


## Product Specification

Product Name	L-Arginine hydrochloride
Glentham Code	GM7506
CAS Number	1119-34-2
EINECS	214-275-1
MDL Number	MFCD00064550
PubChem SID	310267015
Molecular Weight	210.67
Molecular Formula	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> · HCl
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder or colourless crystals
Identification (IR)	To conform to standard
Identification (TLC)	To pass test
pH	4.7 - 6.2
Colour of Solution	To pass EP, AJI tests
Specific Optical Rotation	EP: 21.0 - 23.5 °, AJI: 21.4 - 23.6 °, USP: 22.1 - 22.9 °
Sulphate (SO <sub>4</sub> )	≤ 0.03%
Ammonium (NH <sub>4</sub> )	≤ 0.02%
Iron (Fe)	≤ 10ppm
Heavy Metals	≤ 10ppm
Lead (Pb)	≤ 3ppm
Cadmium (Cd)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Arsenic (As)	≤ 1ppm
Loss on Drying	≤ 0.2%
Residue on Ignition	≤ 0.1%
Chloride (Cl)	16.58 - 17.00 %
Assay	99.0 - 101.0 %
Pharmacopoeia Specification(s)	EP, USP, AJI

Specification Version	-	v1.1
Date Created	-	2021-01-28

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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