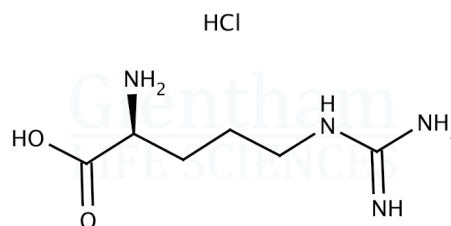


Certificate of Analysis

Product Name	L-Arginine hydrochloride
Glentham Code	GM7506
CAS Number	1119-34-2
EINECS	214-275-1
MDL Number	MFCD00064550
PubChem SID	310267015
Batch Number	513PMX
Molecular Weight	210.67
Molecular Formula	$C_6H_{14}N_4O_2 \cdot HCl$
Storage Temp.	+20°C



Property	Specification	Batch 513PMX
Physical Description	White to almost white powder	Conforms
Identification (IR)	To conform to structure	Conforms
Solubility (5% in water)	Clear, colourless solution	Conforms
Specific Optical Rotation ($[\alpha]_{20/D}$)	+21.6 - +23.6 ° (c=8, 6M HCl)	+22.1°
Residue on Ignition	≤ 0.1%	Conforms
Sulphate (SO ₄)	≤ 0.03%	Conforms
Heavy Metals (as Pb)	≤ 20ppm	≤ 10ppm
Chloride (Cl)	16.5 - 17.1 %	16.8%
Loss on Drying	≤ 1.0% (105°C, 1h)	0.1%
Assay	98.5 - 101.5 %	99.5%

Specification Version	v1.2
Manufacture Date	2022-08-06
Re-Test Date	2030-12-02

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 or contact us using the details above for the current version of this document.

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