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Certificate of Analysis

Product Name L-Arginine hydrochloride, 99%, non-animal origin Glentham Code GM1323 **HCI** CAS Number 1119-34-2 NH_2 **EINECS** 214-275-1 **Batch Number** 459VNC Molecular Weight 210.67 Molecular Formula $\mathrm{C_6H_{14}N_4O_2\cdot HCI}$ +20°C Storage Temp.

Property	Specification	Batch 459VNC
Physical Description	White or almost white crystalline powder or colourless crystals	White crystalline powder
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
pH (5% in water)	4.7 - 6.2	5.6
Specific Optical Rotation ([α]20/D)	+21.0 - +23.5 °	+22.6°
Residue on Ignition	≤ 0.1%	0.0%
Sulphate (SO4)	≤ 0.02%	Conforms
Ammonium (NH4)	≤ 0.02%	Conforms
Loss on Drying	≤ 0.5%	0.04%
Assay	≥ 99.0%	100.0%

Specification Version v1.0

Manufacture Date 2022-06-03

Re-Test Date 2030-06-09

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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