Glentham LIFE SCIENCES

Glentham Life Sciences Ltd Unit 5 Leafield Way Corsham SN13 9SW United Kingdom

- t: +44 (0) 1225 667 798
- f: +44 (0) 2033 978 909
- e: info@glentham.com

w: www.glentham.com

Certificate of Analysis

| Product Name | L-Arginine hydrochloride, 99%, non-animal origin | |
|-------------------|--|-----------------|
| Glentham Code | GM1323 | HCI |
| CAS Number | 1119-34-2 | |
| EINECS | 214-275-1 | NH ₂ |
| Batch Number | 421QJU | |
| Molecular Weight | 210.67 | |
| Molecular Formula | $C_6H_{14}N_4O_2 \cdot HCI$ | |
| Storage Temp. | +20°C | 0 |

| Property | Specification | Batch 421QJU |
|-------------------------------------|---|--------------------------|
| Physical Description | White or almost white crystalline powder or colourless crystals | White crystalline powder |
| Solubility (5% in water) | Clear, colourless solution | Conforms |
| 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% | 0.04% |
| Sulphate (SO4) | ≤ 0.02% | Conforms |
| Ammonium (NH4) | ≤ 0.02% | Conforms |
| Loss on Drying | ≤ 0.5% | 0.1% |
| Assay | ≥ 99.0% | 100.1% |

| Specification Version | v1.0 |
|-----------------------|------------|
| Manufacture Date | 2023-07-11 |
| Re-Test Date | 2032-08-23 |

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025