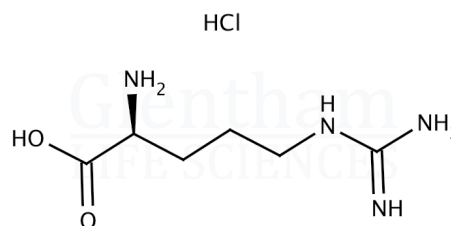


## Product Specification

|               |  |
|---------------|--|
| Product Name  | L-Arginine hydrochloride, 99%, non-animal origin |
| Glentham Code | GM1323   |
| CAS Number    | 1119-34-2  |
| EINECS        | 214-275-1  |

|                   |                             |
|-------------------|-----------------------------|
| Molecular Weight  | 210.67                      |
| Molecular Formula | $C_6H_{14}N_4O_2 \cdot HCl$ |
| Storage Temp.     | +20°C                       |



| Property  | Specification   |
|---|---|
| Physical Description                            | White or almost white crystalline powder or colourless crystals |
| Solubility (5% in water)                        | Clear, colourless solution                                      |
| pH (5% in water)                                | 4.7 - 6.2   |
| Specific Optical Rotation ( $[\alpha]_{20/D}$ ) | +21.0 - +23.5 °   |
| Residue on Ignition                             | ≤ 0.1%  |
| Sulphate (SO <sub>4</sub> )                     | ≤ 0.02%   |
| Ammonium (NH <sub>4</sub> )                     | ≤ 0.02%   |
| Loss on Drying                                  | ≤ 0.5%  |
| Assay   | ≥ 99.0%   |

|                       |              |
|-----------------------|--------------|
| Specification Version | - v1.0       |
| Date Created          | - 2020-01-28 |

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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