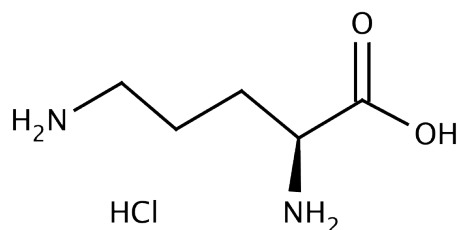


Product Specification

| | |
|-------------------|--|
| Product Name | L-Ornithine monohydrochloride |
| Glentham Code | GM2431 |
| CAS Number | 3184-13-2 |
| EINECS | 221-678-6 |
| MDL Number | MFCD00064562 |
| PubChem SID | 310278380 |
| Molecular Weight | 168.62 |
| Molecular Formula | C ₅ H ₁₂ N ₂ O ₂ · HCl |
| Storage Temp. | +20°C |



| Property | Specification |
|-----------------------------|--------------------------|
| Physical Description | White crystalline powder |
| Assay | 99.0 - 101.0 % |
| pH | 5.0 - 6.0 |
| Loss on Drying | ≤ 0.2% |
| Residue on Ignition | ≤ 0.1% |
| Heavy Metals (as Pb) | ≤ 10ppm |
| Arsenic (As) | ≤ 1ppm |
| Lead (Pb) | ≤ 3ppm |
| Cadmium (Cd) | ≤ 1ppm |
| Mercury (Hg) | ≤ 0.1ppm |
| Sulphate (SO ₄) | ≤ 200ppm |
| Ammonia (NH ₄) | ≤ 200ppm |
| Iron (Fe) | ≤ 10ppm |
| Specific Optical Rotation | +23.0 - +25.0 ° |

| | | |
|-----------------------|---|------------|
| Specification Version | - | v1.0 |
| Date Created | - | 2014-11-03 |

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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