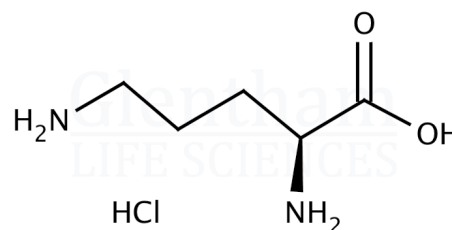


Certificate of Analysis

Product Name L-Ornithine monohydrochloride
Glentham Code GM2431
CAS Number 3184-13-2
EINECS 221-678-6
MDL Number MFCD00064562
PubChem SID 310278380
Batch Number 416TUL

Molecular Weight 168.62
Molecular Formula $C_5H_{12}N_2O_2 \cdot HCl$
Storage Temp. +20°C



Property	Specification	Batch 416TUL
Physical Description	White crystalline powder	White crystalline powder
Assay	99.0 - 101.0 %	99.4%
pH	5.0 - 6.0	5.2
Loss on Drying	≤ 0.2%	0.09%
Residue on Ignition	≤ 0.1%	0.02%
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Lead (Pb)	≤ 3ppm	Conforms
Cadmium (Cd)	≤ 1ppm	Conforms
Mercury (Hg)	≤ 0.1ppm	Conforms
Sulphate (SO ₄)	≤ 200ppm	Conforms
Ammonia (NH ₄)	≤ 200ppm	Conforms
Iron (Fe)	≤ 10ppm	Conforms
Specific Optical Rotation	+23.0 - +25.0 °	+23.8°

Specification Version v1.0
Manufacture Date 2021-07-17
Re-Test Date 2029-10-26

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, 2024