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Certificate of Analysis

Product Name

L-Methionine, 99%, GlenCell™, suitable for cell culture, Ph. Eur., USP grade

 Glentham Code
 GM9348

 CAS Number
 63-68-3

 EINECS
 200-562-9

 MDL Number
 MFCD00063097

 Batch Number
 447PDY

Property	Specification	Batch 447PDY
Physical Description	White crystalline powder	White crystalline powder
Identification	To pass tests	Conforms
Solubility (2.5% in water)	Clear, colourless solution	Clear, colourless solution
pH (2.5% in water)	5.6 - 6.1	5.9
Specific Optical Rotation	+23.0 - +24.0 ° (20°C, 2% in 6 M HCl)	+23.5°
Specific Optical Rotation	+22.4 - +24.7 ° (25°C, 2% in 6 M HCl)	+23.6°
Ammonium (NH4)	≤ 0.02%	≤ 0.005%
Chloride (CI)	≤ 0.02%	≤ 0.017%
Sulphate (SO4)	≤ 0.03%	≤ 0.02%
Iron (Fe)	≤ 10ppm	Conforms
Heavy Metals (as Pb)	≤ 5ppm	Conforms
Arsenic (As2O3)	≤ 1ppm	Conforms
Ninhydrin-positive substances	≤ 0.5%	≤ 0.3%
Loss on Drying	≤ 0.20%	0.0%
Sulphated Ash	≤ 0.1%	0.0%
Endotoxins	≤ 6.0EU/g	≤ 3EU/g
Assay (Titration)	99.0 - 101.0 % (dried basis)	100.0%
Pharmacopoeia Specification(s)	EP, USP	Conforms
Origin	Non-animal	Conforms

Specification Version v1.1

Manufacture Date 2020-12-15

Re-Test Date 2025-08-01

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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