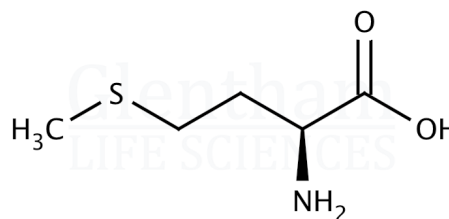


Product Specification

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
Molecular Weight	149.21
Molecular Formula	C ₅ H ₁₁ NO ₂ S
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder
Identification	To pass tests
Solubility (2.5% in water)	Clear, colourless solution
pH (2.5% in water)	5.6 - 6.1
Specific Optical Rotation	+23.0 - +24.0 ° (20°C, 2% in 6 M HCl)
Specific Optical Rotation	+22.4 - +24.7 ° (25°C, 2% in 6 M HCl)
Ammonium (NH ₄)	≤ 0.02%
Chloride (Cl)	≤ 0.02%
Sulphate (SO ₄)	≤ 0.03%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 5ppm
Arsenic (As ₂ O ₃)	≤ 1ppm
Ninhydrin-positive substances	≤ 0.5%
Loss on Drying	≤ 0.20%
Sulphated Ash	≤ 0.1%
Endotoxins	≤ 6.0EU/g
Assay (Titration)	99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	EP, USP
Origin	Non-animal

Specification Version	-	v1.1
Date Created	-	2021-03-02

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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