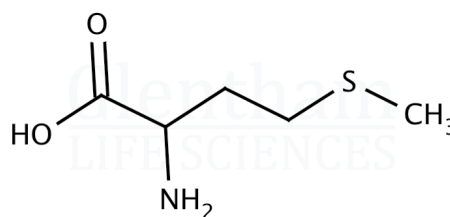


Certificate of Analysis

Product Name	DL-Methionine
Glentham Code	GM2607
CAS Number	59-51-8
EINECS	200-432-1
MDL Number	MFCD00063096
PubChem SID	310272332
Batch Number	268WZE
Molecular Weight	149.21
Molecular Formula	$C_5H_{11}NO_2S$
Storage Temp.	+20°C



Property	Specification	Batch 268WZE
Physical Description	Almost white, crystalline powder or small flakes	Almost white, crystalline powder
Assay	99.0 - 101.0 % (dried basis)	99.6%
Residue on Ignition	≤ 0.1%	0.05%
Loss on Drying	≤ 0.5%	0.18%
Arsenic (As)	≤ 1ppm	≤ 1ppm
Heavy Metals (as Pb)	≤ 10ppm	≤ 10ppm
Lead (Pb)	≤ 3ppm	≤ 3ppm
Cadmium (Cd)	≤ 1ppm	≤ 1ppm
Chloride (Cl)	≤ 0.02%	≤ 0.02%
Solubility	1g in 50ml water: Clear, colourless solution	Clear, colourless solution
pH	5.4 - 6.1 (2% solution)	5.7
Related Substances	≤ 0.2%	≤ 0.2%
Ammonium (NH4)	≤ 0.1%	≤ 0.1%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version	v1.0
Manufacture Date	2022-06-07
Re-Test Date	2029-07-25

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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