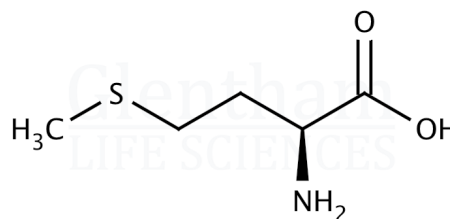


Product Specification

Product Name	L-Methionine
Glentham Code	GM0532
CAS Number	63-68-3
EINECS	200-562-9
MDL Number	MFCD00063097
PubChem SID	310276219
Molecular Weight	149.21
Molecular Formula	$C_5H_{11}NO_2S$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or off-white powder
Identification	IR
Solubility (5% in 1M HCl)	Clear, colourless solution
pH (1% in water)	5.6 - 6.1
Specific Optical Rotation	+22.4 - +24.7 °
Chloride (Cl)	≤ 0.05%
Sulphate (SO4)	≤ 0.03%
Heavy Metals (as Pb)	≤ 15ppm
Lead (Pb)	≤ 3ppm
Mercury (Hg)	≤ 0.1ppm
Arsenic (As)	≤ 1ppm
Cadmium (Cd)	≤ 1ppm
Iron (Fe)	≤ 30ppm
Any Individual Impurity	≤ 0.5% (TLC)
Total Impurities	≤ 2.0% (TLC)
Loss on Drying	≤ 0.3% (105°C)
Residue on Ignition	≤ 0.4%
Assay	98.5 - 101.5 %
Pharmacopoeia Specification(s)	USP

Specification Version	- v1.0
Date Created	- 2014-05-16

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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