

Product Datasheet

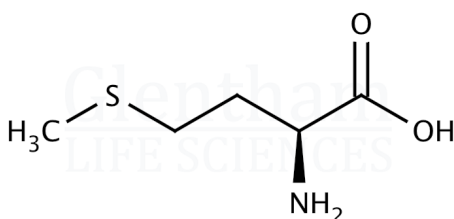
GM0532 - L-Methionine

Product Details

Product Name	L-Methionine
Glentham Code	GM0532
CAS Number	63-68-3
EINECS	200-562-9
MDL Number	MFCD00063097
PubChem SID	310276219
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture

Structure

Molecular Weight	: 149.21
Molecular Formula	: C ₅ H ₁₁ NO ₂ S



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 (SO ₄)	: ≤ 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
Version	: v1.0

About L-Methionine

No further details on record.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glentham Product Specification

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