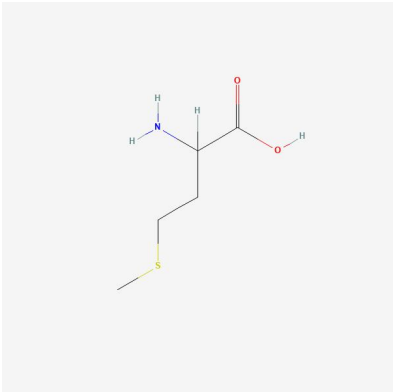




Technical Data Sheet

Tianjin Jincheng Biotechnology Co., Ltd.

Product Name: DL-Methionine
Chemical Structure:



Molecular Formula: C₅H₁₁NO₂S
Molecular Weight: 149.21
CAS No.: 59-51-8

Specifications

Item	Limit	Analysis method
Appearance	White crystals or crystalline powder	Visual
Identification	Positive	Ninhydrin test
Assay (on dried basis)	99.0% - 101.0%	Titration (perchloric acid)
pH	5.4 - 6.1	pH meter
Loss on drying	Not more than 0.50%	Gravimetric method
Residue on ignition	Not more than 0.10%	Gravimetric method
Chloride (Cl)	Not more than 0.02%	USP <221>
Sulfate (SO ₄)	Not more than 0.02%	USP <221>
Heavy metals (as Pb)	Not more than 0.002% (20 ppm)	USP <231>

Recommended shelf life: 2 years
External packing: Fibre drum, 25 kg net
Inner packing: Double-layer PE bag
Storage: Preserve in tight containers, protected from light, in a cool and dry place.

Note: Analytical methods refer to current USP general chapters and the manufacturer's in-house standard; this document is for reference only and the quality of each batch is subject to the COA supplied with the goods.
Preparation Date: Sep. 20, 2026 | Version: 1.0 | Prepared by:
Product code: JC-MET-001 | Product name: DL-Methionine