

# Specification

**Formula Hill:** C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>S  
**Molar Mass:** 149,21 g/mol  
**CAS N°:** 59-51-8

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108401 DL-Methionine, NF, Ph. Eur., FCC

	Specifications
Assay (non-aq titration,dried substance)	99,0 - 101,0 %
Identity	conforms
Appearance	
- White or almost white	conforms
- Crystalline powder or small flakes	conforms
Appearance of solution	conforms
pH (2% solution)	5,4 - 6,1
Chloride (Cl)	≤ 0,0200 %
Sulfate (SO <sub>4</sub> )	≤ 0,0200 %
Ammonium (NH <sub>4</sub> )	≤ 0,0200 %
Iron (Fe)	≤ 0,0010 %
Lead (Pb)	≤ 5 ppm
Optical rotation (5% in 1M HCl)	-0,05 - 0,05 °
Transmittance (10% in 2N HCl, 430 nm)	≥ 0,98
Related substances	≤ 0,2 %
Loss on drying (105°C)	≤ 0,5 %
Sulfated ash	≤ 0,1 %

The product cannot be considered as an Active Pharmaceutical Ingredient (API)

Conforms to: NF, Ph. Eur., FCC specification