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## Typical Product Specifications & Properties

# L-Methionine

CAS Number: : 63-68-3

Specifications	Limits
Density	1.340
Sensoric	Colorless or white crystalline powder
Odor	Slight characteristic
Solubility	Soulble in water
pH	5.6-6.1
Loss on Drying	NMT 0.3%
Residue on Ignition	NMT 0.1%
Chloride	NMT 0.05%
Sulfate	NMT 0.03%
Heavy Metals	NMT 15 ppm
Iron	NMT 0.003%
Specific Rotation	+22.4 to +22.7



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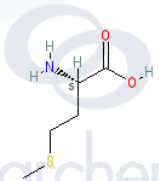
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Specifications	Limits
Assay	98.5% - 101.5%
Total Aerobic Plate Count	NMT 3,000 CFU/g
Yeast & Molds	NMT 100 CFU/g
Coliform	Negative P 25/g
E.Coli	Negative P 25/g
Salmonella	Negative P 25/g
Insolubility	in abs. alcohol, alcohol, benzene, acetone, ether
Melting Point	281 c (dec.)
Molecular weight	149.21
Flash Point	(cc) 284 c
Chemical Structure	 <p>The chemical structure shows a central chiral carbon atom bonded to a hydrogen atom (H), an amino group (NH<sub>2</sub>), a carboxylic acid group (COOH), and a propyl chain (CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-S-). The sulfur atom is part of a thioether group. The structure is overlaid on the Parchem logo.</p>



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