

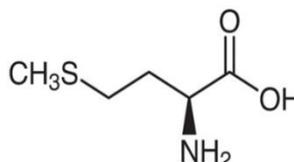
Product Specification

Product Name:

L-Methionine PH ExciPur

According to monographs: USP & BP/EP
Standard GMP Grade

Product No.: PSR50327
Brand: PureSynth
CAS No.: 63-68-3
Molecular Formula: C₅H₁₁NO₂S
Molecular Weight: 149.21 g/mol



| Test | Specification |
|-----------------------------------|--|
| Appearance | White or almost white, crystalline powder or colourless crystals |
| Assay (dried basis) (USP) | 98.5 – 101.5 % |
| Loss on drying at 105°C | NMT 0.30 % |
| Identification Test A (USP) | Conforms to structure |
| Specific rotation (USP) | +22.4 ° - +24.7 ° |
| pH (USP) | 5.6 – 6.1 |
| Residue on Ignition (USP) | NMT 0.4 % |
| Chloride (USP) | NMT 0.05 % |
| Sulfate (USP) | NMT 0.03 % |
| Iron (USP) | NMT 0.003% |
| Heavy Metals (USP) | NMT 0.0015% |
| Residual Solvents (USP) | Complies |
| Solubility (USP) | Soluble in water, in warm dilute alcohol, and in dilute mineral acids; insoluble in ether, in absolute alcohol, in benzene, and in acetone |
| Assay (dried basis) (BP/EP) | 99.0 – 101.0 % |
| Loss on drying at 105°C (BP/EP) | NMT 0.50 % |
| Identification Test A (BP/EP) | Complies |
| Identification Test B (BP/EP) | Conforms to structure |
| Appearance of solution (BP/EP) | Clear colourless solution |
| pH (BP/EP) | 5.5 – 6.5 |
| Specific optical rotation (BP/EP) | +22.5 ° to +24.0 ° |
| Chlorides (BP/EP) | NMT 200 ppm |

The information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.
For queries on this Specifications, please contact our technical team at technical@pure-synth.com

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Email: info@pure-synth.com

| | |
|---------------------------------|---|
| Sulfates (BP/EP) | NMT 300 ppm |
| Ammonium (BP/EP) | NMT 200 ppm |
| Iron (BP/EP) | NMT 10 ppm |
| Sulphated ash (BP/EP) | NMT 0.10 % |
| Related substances (BP/EP) | Conforms |
| Total impurity (BP/EP) | NMT 0.30 % |
| Solubility (BP/EP) | Soluble in water, very slightly soluble in ethanol (96%) |
| Bacterial endotoxins test (BET) | NMT 20 EU/g |

Specification: EP-1.0-QA/001

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