

# Specification

## Technical Data Sheet

<b>Product Name</b>	L-Methionine
<b>Product No</b>	11504183
<b>CAS Number</b>	63-68-3
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	149.21

### Specification

<b>Appearance</b>	White crystals or crystalline powder
<b>Identification</b>	Meets the requirement
<b>Loss on Drying</b>	≤ 0.3%
<b>pH</b>	5.6 - 6.1
<b>Assay</b>	98.0 - 101.5%
<b>Chloride</b>	≤ 0.05%
<b>Iron</b>	≤ 0.003%

## Specification

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**Residue on Ignition**

≤ 0.4%

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**Specific rotation [ α ]<sub>D</sub> 25**

+22.4° to +24.7°

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**Sulfate (SO<sub>4</sub>)**

≤ 0.03%

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**Chromatographic Purity**

Not more than 2.0% of total impurities is found

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**Heavy Metal**

≤ 0.0015%

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