

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

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## *Certificate of Analysis*

**Catalogue Number** 04378  
**Product** **Acetyl-L-methionine sulfoxide**

**Lot Number** 000127-1039458  
Ac-L-Met(O)-OH

**CAS Number** 108646-71-5  
**Molecular Formula** C<sub>7</sub>H<sub>13</sub>NO<sub>4</sub>S

**Molecular Weight** 207.25

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**Appearance** White powder

**Melting Point** 130 °C

**Elemental Analysis (Theory)** C = 40.4%, H = 6.3%, N = 6.7%  
Calcd. as x 0.05% Water (0.4%)

**Elemental Analysis (Found)** C = 40.4%, H = 6.6%, N = 6.7%  
Calcd. as x 0.05% Water (0.4%)

**Water Content (Karl Fisher)** 0.5%

**TLC System** Chloroform/Methanol/Acetic acid 32% (5:3:1)  
Ethylacetate/Pyridine/Acetic acid/Water (6:5:1:3)  
Chloroform/Methanol/Acetic acid/Water (60:45:14:6)  
Plate: Silicagel 60 F<sub>254</sub>  
Detected by: UV, ninhydrin, Chlorine-Tolidine

**Assay** 98.7% (Elemental analysis based on Nitrogen content)  
Nth. 6.76%, Nfd. 6.67%

**Purity by TLC** > 99%

**Storage** Store at 0-8 °C

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**