

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 03107  
**Product** **Benzoyl-L-methionine**

**Lot Number** 000127-1056885  
Bz-L-Met-OH

**CAS Number** 10290-61-6  
**Molecular Formula** C<sub>12</sub>H<sub>15</sub>NO<sub>3</sub>S

**Molecular Weight** 253.3

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**Appearance** White powder

**Solubility** Clear, colorless solution (50 mg/mL in MeOH)

**Melting Point** 102 °C

**Elemental Analysis (Theory)** C = 56.9%, H = 6.0%, N = 5.5%

**Elemental Analysis (Found)** C = 56.8%, H = 5.9%, N = 5.5%

**TLC System** Chloroform/Methanol/Benzene/H<sub>2</sub>O (8:8:8:1)  
Chloroform/Methanol/Acetic acid (90:8:2)  
Chloroform/Methanol/Acetic acid/H<sub>2</sub>O (70:42:0.5:10)  
Plate: Silica gel 60 F<sub>254</sub>  
Detected by: UV, ninhydrin, chlorine-tolidine

**Optical Rotation** [α]<sub>D</sub><sup>24</sup> = +24.9° (c=1% in MeOH)

**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**