

Chem-Impex International, Inc.

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Certificate of Analysis

| | |
|--------------------------|---|
| Catalogue Number | 02436 |
| Lot Number | 000424-201108-356011 |
| Product | Fmoc-L-methionine Fmoc-L-Met-OH |
| CAS Number | 71989-28-1 |
| Molecular Formula | C ₂₀ H ₂₁ NO ₄ S |
| Molecular Weight | 371.5 |

| | |
|------------------------------------|---|
| Appearance | White powder |
| Solubility | Clear solution (0.3 g in 2 mL DMF) |
| Melting Point | 120.5 - 121.4 °C |
| Elemental Analysis (Found) | < 5% (C, H, N) |
| Water Content (Karl Fisher) | 0.09% |
| Kaiser Test | < 0.05% |
| Optical Rotation | [α] _D ²⁰ = -29.8 ° (C=1 in DMF) |
| Infrared Spectrum | Conforms to structure |
| Analysis by Mass Spectra | Conforms to standard |
| Loss on Drying | 0.11% (60 °C, 2h) |
| ¹H NMR | Conforms to structure |
| Chiral HPLC | 99.96% (ee) |
| D-Enantiomer | 0.0351% |
| Purity by HPLC | 99.51% |
| Purity by TLC | > 98% |
| 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