



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

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|---|---|
| Catalog Number | 04-1315 |
| Product Name | Fmoc-Met-OH Fmoc-L-methionine |
| Lot Number | 12240 |
| CAS Registry Number | 71989-28-1 |
| Molecular Formula | C ₂₀ H ₂₁ NO ₄ S |
| Molecular Weight | 371.46 |
| Appearance | White Powder |
| Melting Point | 140 °C |
| Loss on Drying | <0.1% |
| Free Amino Acids | <0.2% |
| Other Enantiomer | <0.2% |
| Optical Rotation (NaD, 20°C) | -29.8° (c=1 in DMF) |
| Purity (HPLC) | >99 % |
| HPLC Column | RP-HD-Sil-C18 |
| HPLC System | Linear gradient flow 1 mL/min- detection at 210 nm |
| HPLC Buffer | A:TEAP-buffer pH=2.25, B:CH ₃ CN /A 70/30 |
| HPLC Gradient | 50% B to 100% B in 25 min |
| TLC System | CHCl ₃ :MeOH:AcOH 90:8:2 TLC Concentration 25 mg/mL traces of impurities |
| Storage | Store at -0°C |