



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-1366
Lot Number	000565-40428601
Product	Fmoc-L-proline Fmoc-L-Pro-OH (S)-Fmoc-pyrrolidine-2-carboxylic acid
CAS Number	71989-31-6
Molecular Formula	C ₂₀ H ₁₉ NO ₄
Molecular Weight	337.4

Appearance	White or off-white crystalline powder
Melting Point	> 100 °C
Water Content (Karl Fisher)	5.00%
Optical Rotation	[α] _D ²⁰ = -33.5° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Residual Solvents	Dichloromethane: < 0.1% Petroleum Ether: < 0.1%
Free Amino Acids	Not detected
D-Enantiomer	Not detected
Purity by HPLC	99.95%
Purity by TLC	No other major spots visible by UV and ninhydrin
Storage	Store at 0-8 °C