

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	02663
<b>Lot Number</b>	000424-170331-36814
<b>Product</b>	<b>Fmoc-N-methyl-D-leucine</b>

Fmoc-N-Me-D-Leu-OH

<b>CAS Number</b>	103478-63-3
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>25</sub> NO <sub>4</sub>

<b>Molecular Weight</b>	367.4
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 gram in 2 ml DMF)
<b>Melting Point</b>	110.6-111.1 °C
<b>Water Content (Karl Fisher)</b>	0.219%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +19.9° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.98% (55 °C, 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>L-Enantiomer</b>	Not detectable
<b>Purity by HPLC</b>	99.45%
<b>Storage</b>	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**