

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	14831
<b>Lot Number</b>	000424-140614-36516
<b>Product</b>	<b>Fmoc-L-aspartic acid <math>\beta</math>-methyl ester</b>

Fmoc-L-Asp(OMe)-OH

<b>CAS Number</b>	145038-53-5
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<b>Molecular Formula</b>	C <sub>20</sub> H <sub>19</sub> NO <sub>6</sub>
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<b>Molecular Weight</b>	369.37
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	127.0-128.1 °C
<b>Water Content (Karl Fisher)</b>	0.109%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -32.4° (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>	0.40% (70 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.75%
<b>Purity by TLC</b>	> 98%
<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**