

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

**Catalogue Number** 05681  
**Lot Number** 000424-140723-36504  
**Product** **Fmoc-L-aspartic acid**

Fmoc-L-Asp-OH

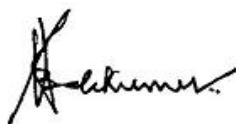
**CAS Number** 119062-05-4  
**Molecular Formula** C<sub>19</sub>H<sub>17</sub>NO<sub>6</sub>

**Molecular Weight** 355.35

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**Appearance** White powder  
**Solubility** Clear solution (0.3 g in 2 mL DMF)  
**Melting Point** 188.2-188.8 °C  
**Water Content (Karl Fisher)** 0.77%  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = -28.5° (C = 1 in DMF)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**Loss on Drying** 0.26% (90 °C, 2h)  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 99.46%  
**Storage** Store at 0-8 °C  
**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