

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 05671  
**Product** **Fmoc-Ala-Ala-OH**

**Lot Number** 000424-190826-10867  
Fmoc-L-alanyl-L-alanine

**CAS Number** 87512-31-0  
**Molecular Formula** C<sub>21</sub>H<sub>22</sub>N<sub>2</sub>O<sub>5</sub>

**Molecular Weight** 382.42

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**Appearance** White powder  
**Solubility** Clear solution (0.3 g in 2 mL DMF)  
**Melting Point** 190.0 - 191.3 °C  
**Water Content (Karl Fisher)** 0.53%  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = -9 ° (C=1 in DMF)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**Loss on Drying** 0.72% (80 °C, 2h)  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 99.50%  
**Storage** 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**