Chem-Impex International, Inc.

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Certificate of Analysis

02395 **Catalogue Number**

Product Fmoc-L-aspartic acid-α-tert-butylester

000424-190125-36510 **Lot Number**

Fmoc-L-Asp-OtBu

CAS Number 129460-09-9 $C_{23}H_{25}NO_6$ **Molecular Formula**

411.5 **Molecular Weight**

White powder **Appearance**

Solubility Clear solution (0.3 g in 2 mL DMF)

106.1 - 106.9 °C **Melting Point** < 5% (C, N, H)

Elemental Analysis

(Found)

Water Content (Karl 0.032%

Fisher)

 $[a]_{D}^{20} = -23.1$ ° (C=1 in DMF) **Optical Rotation**

Conforms to structure **Infrared Spectrum** Conforms to standard **Analysis by Mass Spectra** 0.160% (50 °C, 2h) **Loss on Drying** ¹H NMR Conforms to structure

Chiral HPLC 99.72% (ee) **D-Enantiomer** 0.2743% **Purity by HPLC** 99.55% **Purity by TLC** > 98%

Store at 0 - 8 °C Storage

Certificate of Analysis

Catalog Number: 02395 Lot Number: 000424-190125-36510

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