Chem-Impex International, Inc.

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Certificate of Analysis

33080 **Catalogue Number**

000424-190518-23706 **Lot Number**

Fmoc-Aph(Cbm)-OH **Product**

4-(Aminocarbonyl)amino-N-Fmoc-L-Phenylalanine

CAS Number 324017-23-4 $C_{25}H_{23}N_3O_5$ **Molecular Formula**

445.4 Molecular Weight

Off-white powder **Appearance**

Solubility Clear solution (0.3 g in 2 mL DMF)

200.4 - 201.3 °C **Melting Point**

 $[a]^{20}D = -6.7 \circ (C = 1 \text{ in DMF})$ **Optical Rotation**

Conforms to structure **Infrared Spectrum** Conforms to standard **Analysis by Mass Spectra** ¹H NMR Conforms to structure

Chiral HPLC 99.98% (ee) **D-Enantiomer** 0.0133% 98.65% **Purity by HPLC**

Store at 0 - 8 °C **Storage**

Tetrahydrofuran (By NMR): 7% **Additional Information**

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