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Certificate of Analysis

Product Name: Fmoc-Phe-OH Lot No: 221210-35701
CAS No: 35661-40-6 Store at: ≤25°C
Molecular Formula: C₂₄H₂₁NO₄ Molecular Weight: 387.43
Manufacturing Date: 10/12/22

Tests	Specifications	Result
Appearance	White powder	Complies
Purity (HPLC)	≥99%	99.76%
Purity (TLC)	≥98%	>98%
Optical Purity	≤0.3% D-enantiomer	0.01%
Melting Point	180-195°C	186.3-189.9°C
Specific Rotation [α] ²⁰ _D	-38°±2.5°(C=1 in DMF)	-40.5°(C=1 in DMF)
Clarity of solution	0.3 gram in 2mL DMF clear solution	Complies
Water Content(K.F.)	≤2.0%	0.12%
Loss on drying	≤1.0%(80°C, 2h)	0.15%
IR Spectrum	In accordance with the structure	Complies
Mass Spectrum	In accordance with the structure	Complies
NMR Spectrum	In accordance with the structure	Complies

Signed:

Date: 04 April 2023

(Quality Assurance)

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<http://altabioscience.com/terms-and-conditions>