

CERTIFICATE OF ANALYSIS

Product Information

Product Name:	Fmoc-D-Ala-OH
Cat. No.:	C01525
Lot No.:	C51011701
CAS No:	79990-15-1
MW:	311.30
Size:	25g
Molecular Formula:	C ₁₈ H ₁₇ NO ₄
Storage Condition:	Cool dry place

Quality Control

Test Items	Specifications	Results
Appearance	White Powder	Complies
Purity(HPLC)	≥99.00%	99.52%
TLC	≥98.00%	>98.00%
Element analysis(C、N、H)	≤5.0%	<5.0%
Optical Purity	≤0.5% L-enantiomer	Not detectable
Melting Point	147-157°C	152.6-153.4°C
Specific Rotation[α] ²⁰ _D	+18° ± 2.5°(C=1 in DMF)	+18.2°(C=1 in DMF)
Clarity of solution	0.3gram in 2ml DMF clear solution	Complies
Kaiser Test	<0.05%	<0.05%
Water Content(K.F.)	≤6.0%	2.879%
Loss on drying	≤2.0%(60°C, 2h)	0.38%
IR Spectrum	In accordance with the standard	Complies
Mass Spectrum	In accordance with the standard	Complies
NMR Spectrum	In accordance with the standard	Complies

Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by:  Date: 01/10/2017
Product Department

860 Centennial Ave., Piscataway, NJ 08854, USA