

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-17 09:51:59
 Date of Next Testing: 2027-07-16 09:51:59
 Product Name: **Fmoc-Cys(Acm)-OH**
 CAS Number: 86060-81-3
 Specifications & Purity: $\geq 98\%$
 Lot #: G2310089
 SKU #: **F116775**
 Version: **1**
 Analysis #: **241426**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Free Enantiomer	0-0.1 (%)	0.03000 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in MeOH})}$	-33.5--30.5 (°)	-33.21700 °
Loss on drying	0-0.2 (%)	0.10000 %
Free Amino Acid	0-0.1 (%)	0.02000 %
Purity(HPLC)	98-100 (%)	99.27200 %
Melting point	145-160 (°C)	151.38000 °C
Appearance (F116775)	White to Off-White to Light Yellow Powder to Crystal	White to off-white to Light yellow powder to crystal
TLC Analysis	One spot	One spot
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager