

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-17 09:50:41
 Date of Next Testing: 2027-07-16 09:50:41
 Product Name: **Fmoc-Cys(Acm)-OH**
 CAS Number: 86060-81-3
 Specifications & Purity: 98%
 Lot #: G2310086
 SKU #: **F116775**
Analysis: **241426**
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|---|--|--|
| Free Enantiomer | 0-0.1 (%) | 0.03 % |
| Specific Rotation [α] ₂₀ /D(c=1 in MeOH) | -33.5--30.5 (°) | -33.22° |
| Loss on drying | 0-0.2 (%) | 0.10 % |
| Free Amino Acid | 0-0.1 (%) | 0.02 % |
| 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