

## Analytical Data Sheet

Lot number **1072062**  
not for drug use

Catalog number **B-1905.0005**  
Product number **4013865.0005**  
Product **Fmoc- Met(O<sub>2</sub>) - OH**  
Molecular formula **C<sub>20</sub>H<sub>21</sub>NO<sub>6</sub>S**  
Relative molecular mass **403.46**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, slightly yellow solution in DMF (0.5 mmol/mL)
Identification (TLC)	complies with authentic material
Melting point	159 °C
Purity (HPLC)	99.13% (TFA)
Related impurities (HPLC)	0.01% Fmoc-β-Ala-OH 0.03% Fmoc-Met-OH
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	94.4% (TBAH)
Water content (KF volumetric)	0.3%
Acetic acid content (IC)	0.011%

Latest update: June 07, 2017

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