

Analytical Data Sheet

Lot number **1076136**
not for drug use

Catalog number **B-4360.0005**
Product number **4084334.0005**
Product **Fmoc- α - Me- Phe- OH**
Molecular formula $C_{25}H_{23}NO_4$
Relative molecular mass 401.46

Tests	Results
Appearance	white powder
Appearance of solution	clear solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 401.2u (monoisotopic mass)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.56% (TFA)
Related impurities (HPLC)	0.11% Fmoc- β -Ala-OH \leq 0.13% each single unspecified
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.20%
Enantiomer content (chiral chromatography)	< 0.1% D-Enantiomer
Assay (titration)	99.3% (TBAH)
Water content (KF volumetric)	0.7%
Acetic acid content (IC)	22mg/kg

Latest update: March 21, 2018

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