

Analytical Data Sheet

Lot number **1075336**
not for drug use

Catalog number **B-1895.0001**
Product number **4012679.0001**
Product **Fmoc- Ala- Gly- OH**
Molecular formula $C_{20}H_{20}N_2O_5$
Relative molecular mass 368.39

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 368.4u (average mass)
Identification (TLC)	complies with authentic material reference lot 1049204
Purity (HPLC)	99.3% (TFA)
Related impurities (HPLC)	0.1% Fmoc- β -Ala-OH 0.1% Fmoc- β -Ala-Ala-Gly-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Ala-Gly-OH
TLC conditions	chloroform/methanol/acetic acid 85/10/5 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (titration)	99.5% (TBAH)
Water content (KF volumetric)	0.6%
Acetic acid content (IC)	0.002%