

Analytical Data Sheet

Lot number **1073247**
not for drug use

Catalog number **B-1485.0005**
Product number **4006412.0005**
Product **Fmoc- Gly- Gly- OH**
Molecular formula $C_{19}H_{18}N_2O_5$
Relative molecular mass 354.36

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 = 354.36u (average mass)
Identification (TLC)	complies with authentic material
Chloride precipitation test	negative
Purity (HPLC)	99.8% (TFA)
Related impurities (HPLC)	< 0.1% Fmoc-β-Ala-OH < 0.1% Fmoc-Gly-OH < 0.1% Fmoc-Gly-Gly-Gly-OH 0.1% Fmoc-β-Ala-Gly-Gly-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Gly-Gly-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	99.9% (TBAH)
Water content (KF volumetric)	0.8%
Acetic acid content (IC)	0.005%