

Analytical Data Sheet

Lot number **1000004500**
not for drug use

Catalog number **B-1330.0500**
Product number **4003078.0500**
Product **Fmoc- Gly- OH**
Molecular formula $C_{17}H_{15}NO_4$
Relative molecular mass 297.31

Tests	Results
Appearance	white powder
Appearance of solution	clear colorless solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 297.1u (monoisotopic mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.89% (TFA)
Related impurities (HPLC)	0.02% Fmoc- β -Ala-OH not det.% Fmoc- β -Ala-Gly-OH not det.% Fmoc-Gly-Gly-OH $\leq 0.06\%$ each single unspecified
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05% H-Gly-OH
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.20%
Assay (titration)	99.9% (TBAH)
Water content (KF volumetric)	< 0.1%
Acetic acid content (IC)	< 20mg/kg (LOQ)

Latest update: August 13, 2018

Analytical Data Sheet
Lot number **1000004500**