

Analytical Data Sheet

Lot number **1075247**
not for drug use

Catalog number **B-1330.0100**
Product number **4003078.0100**
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 solution (0.5 mmol/mL in DMF)
Identification (ESI-MS)	m = 297.1u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.90% (TFA)
Related impurities (HPLC)	0.02% Fmoc- β -Ala-OH 0.03% Fmoc- β -Ala-Gly-OH 0.01% Fmoc-Gly-Gly-OH $\leq 0.02\%$ 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
Assay (titration)	99.5% (TBAH)
Water content (KF volumetric)	0.2%
Acetic acid content (IC)	< 20mg/kg

Latest update: January 16, 2018

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