

Analytical Data Sheet

Lot number **1076410**
not for drug use

Catalog number **A-1730.1000**
Product number **4001229.1000**
Product **Boc- Gly- OH**
Molecular formula $C_7H_{13}NO_4$
Relative molecular mass 175.19

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol) essentially clear solution (0.5 mmol/mL in dichlormethane)
Identification (elemental analysis)	Theory Found C = 48.0 % C = 47.7 % H = 7.5 % H = 7.5 % N = 8.0 % N = 8.0 %
Identification (TLC)	complies with authentic material
Melting point	89.9 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05% H-Gly-OH < 0.1% Boc-Gly-Gly-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.3%
Assay (titration)	100.2% (TBAH)

Latest update: April 23, 2018

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