

Analytical Data Sheet

Lot number **1069235**
not for drug use

Catalog number **E-1860.0250**
Product number **4030627.0250**
Product **H- Glu- OH**
Molecular formula **C₅H₉NO₄**
Relative molecular mass **147.13**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 1N HCl)
Identification (elemental analysis)	Theory Found C = 40.8% C = 40.7% H = 6.2% H = 6.0% N = 9.5% N = 9.5%
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +31.9^\circ$ (5% in 1N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-Enantiomer
Other amino acids (GC)	< 0.2%
Assay (elemental analysis)	99.9% (Nth 9.52%, Nfd 9.51%)

Latest update: January 02, 2017

Analytical Data Sheet
Lot number **1069235**