

Analytical Data Sheet

Lot number **1064595**
not for drug use

Catalog number **A-4240.0005**
Product number **4028230.0005**
Product **Boc- D- Glu- OH**
Molecular formula $C_{10}H_{17}NO_6$
Relative molecular mass 247.25

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 48.6% C = 48.7% H = 6.9% H = 7.0% N = 5.7% N = 5.6%
Identification (TLC)	complies with authentic material
Melting point	116 °C
Specific optical rotation	$[\alpha]_D^{24} = +14.6^\circ$ (1% in methanol)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	< 0.1% L-Enantiomer
Assay (titration)	100.3% (TBAH)
Water content (KF volumetric)	< 0.1%

Latest update: March 02, 2016

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