

Analytical Data Sheet

Lot number **1055017**
not for drug use

Catalog number **A-2100.0001**
Product number **4001829.0001**
Product **Boc- N- Me- Val- OH**
Molecular formula $C_{11}H_{21}NO_4$
Relative molecular mass 231.29

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (TLC)	conforms with authentic material
Melting point	55 °C
Specific optical rotation	$[\alpha]_D^{24} = -93.2^\circ$ (1 % in EtOH abs.)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% Boc-Val-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	0.2% D-Enantiomer
Assay (titration)	100% (TBAH)

Latest update: August 28, 2014

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