

Analytical Data Sheet

Lot number **1065428**
not for drug use

Catalog number **A-2100.0005**
Product number **4001829.0005**
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 methanol)
Identification (TLC)	complies with authentic material
Melting point	54 °C
Specific optical rotation	$[\alpha]_D^{24} = -94^\circ$ (1% in ethanol 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, TMB
Enantiomer content (GC)	0.15% D-enantiomer
Assay (titration)	100.1% (TBAH)

Latest update: April 18, 2016

Analytical Data Sheet
Lot number **1065428**