

## Analytical Data Sheet

Lot number **1073434**  
not for drug use

Catalog number **A-2100.0025**  
Product number **4001829.0025**  
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 <sub>2</sub> O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.2% D-Enantiomer
Assay (titration)	99.5% (TBAH)

Latest update: September 18, 2017

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