

Analytical Data Sheet

Lot number **1073310**
not for drug use

Catalog number **E-2165.0001**
Product number **4000572.0001**
Product **N- Me- Phe- OH**
Molecular formula $C_{10}H_{13}NO_2$
Relative molecular mass 179.22

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/ml in 80% AcOH)
Identification (elemental analysis)	Theory Found C = 67.0 % C = 67.3 % H = 7.3 % H = 7.2 % N = 7.8 % N = 7.8 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +26.9^\circ$ (1 % 6N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.4% (Nth 7.82 %, Nfd 7.77 %)

Latest update: September 08, 2017

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