

## Analytical Data Sheet

Lot number **1000006970**  
not for drug use

Catalog number **E-2165.0005**  
Product number **4000572.0005**  
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)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 67.0 %</td> <td>C = 67.3 %</td> </tr> <tr> <td>H = 7.3 %</td> <td>H = 7.2 %</td> </tr> <tr> <td>N = 7.8 %</td> <td>N = 7.8 %</td> </tr> </tbody> </table>	Theory	Found	C = 67.0 %	C = 67.3 %	H = 7.3 %	H = 7.2 %	N = 7.8 %	N = 7.8 %
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 <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 6/5/1/3 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.4% (Nth 7.82 %, Nfd 7.77 %)								

Latest update: October 02, 2018

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