

## Analytical Data Sheet

Lot number **1054009**  
not for drug use

Catalog number **A-2085.0001**  
Product number **4002217.0001**  
Product **Boc- N- Me- Ser- OH**  
Molecular formula  $C_9H_{17}NO_5$   
Relative molecular mass 219.24

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 49.3 %</td> <td>C = 49.2 %</td> </tr> <tr> <td>H = 7.8 %</td> <td>H = 7.7 %</td> </tr> <tr> <td>N = 6.4 %</td> <td>N = 6.3 %</td> </tr> </tbody> </table>	Theory	Found	C = 49.3 %	C = 49.2 %	H = 7.8 %	H = 7.7 %	N = 6.4 %	N = 6.3 %
Theory	Found								
C = 49.3 %	C = 49.2 %								
H = 7.8 %	H = 7.7 %								
N = 6.4 %	N = 6.3 %								
Identification (TLC)	complies with authentic material								
Melting point	86 °C								
Specific optical rotation	$[\alpha]_D^{24} = -33.0^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.8% (Cth 49.31 %, Cfd 49.22 %)								