

# Analytical Data Sheet

Lot number

## 1044522

not for drug use

<b>Catalog Number</b>	A-4630.0005
<b>Product number</b>	4036034.0005
<b>Product</b>	Boc- N- Me- D- Ala- OH
<b>Molecular formula</b>	C <sub>9</sub> H <sub>17</sub> NO <sub>4</sub>
<b>Relative molecular mass</b>	203.24

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in methanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 53.2%</td> <td>C = 53.3%</td> </tr> <tr> <td>H = 8.4%</td> <td>H = 8.3%</td> </tr> <tr> <td>N = 6.9%</td> <td>N = 6.8%</td> </tr> </table>	Theory	Found	C = 53.2%	C = 53.3%	H = 8.4%	H = 8.3%	N = 6.9%	N = 6.8%
Theory	Found								
C = 53.2%	C = 53.3%								
H = 8.4%	H = 8.3%								
N = 6.9%	N = 6.8%								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	93 °C reference lot: 92 °C 1027478								
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = +31.0 ° (1% in EtOH abs.)								
<b>Purity (TLC)</b>	> 99 %								
<b>Related impurities (TLC)</b>	< 0.2% Boc-D-Ala-OH < 0.2% N-Me-Ala-OH								
<b>TLC conditions</b>	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Enantiomer content (GC)</b>	< 0.1% L-enantiomer (36034/3a) < 0.1% L-enantiomer (36034/3b) (3a + 3b = 3c)								
Latest update: September 12, 2012									