

## Analytical Data Sheet

Lot number **1000016926**  
not for drug use

Retest date n/a  
 Catalog number **A-1110.1000**  
 Product number **4004424.1000**  
 Product **Boc- Ala- D- Glu(OBzl) - NH<sub>2</sub>**  
 Molecular formula  $C_{20}H_{29}N_3O_6$   
 Relative molecular mass 407.47

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 59.0%</td> <td>C = 59.1%</td> </tr> <tr> <td>H = 7.2%</td> <td>H = 7.0%</td> </tr> <tr> <td>N = 10.3%</td> <td>N = 10.3%</td> </tr> </table>	Theory	Found	C = 59.0%	C = 59.1%	H = 7.2%	H = 7.0%	N = 10.3%	N = 10.3%
Theory	Found								
C = 59.0%	C = 59.1%								
H = 7.2%	H = 7.0%								
N = 10.3%	N = 10.3%								
Identification (TLC)	complies with authentic material								
Melting point	140 °C								
Purity (HPLC)	98% (TEAP)								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% Boc-Ala-OH								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol 9/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	100.4% (Nth 10.31%, Nfd 10.35%)								
Water content (KF volumetric)	0.09%								

Latest update: June 17, 2019

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