

Analytical Data Sheet

Lot number

1007347

not for drug use

Catalog Number	K-1030.0001
Product number	4001196.0001
Product	H- DL- Ala- βNA · HCl
Molecular formula	C ₁₃ H ₁₄ N ₂ O · HCl
Relative molecular mass	250.73

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 62.28 %</td> <td>C = 62.21 %</td> </tr> <tr> <td>H = 6.03 %</td> <td>H = 6.08 %</td> </tr> <tr> <td>N = 11.17 %</td> <td>N = 11.10 %</td> </tr> </table> <p>calc. as x 1 HCl</p>	Theory	Found	C = 62.28 %	C = 62.21 %	H = 6.03 %	H = 6.08 %	N = 11.17 %	N = 11.10 %
Theory	Found								
C = 62.28 %	C = 62.21 %								
H = 6.03 %	H = 6.08 %								
N = 11.17 %	N = 11.10 %								
Identification (TLC)	conforms with authentic material								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% βNA								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.4% (Nth 11.17 %, Nfd 11.10 %)								
Water content (KF volumetric)	0.4%								
Chloride content (titration)	14.1 % (AgNO ₃)								
Latest update: March 11, 2010									