

Analytical Data Sheet

Lot number

1050298

not for drug use

Catalog Number	F-1375.0005
Product number	4017082.0005
Product	Carbamoyl- β- Ala- OH
Molecular formula	C ₄ H ₈ N ₂ O ₃
Relative molecular mass	132.12

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH 50%)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 36.36 %</td> <td>C = 36.21 %</td> </tr> <tr> <td>H = 6.10 %</td> <td>H = 6.31 %</td> </tr> <tr> <td>N = 21.20 %</td> <td>N = 21.25 %</td> </tr> </table>	Theory	Found	C = 36.36 %	C = 36.21 %	H = 6.10 %	H = 6.31 %	N = 21.20 %	N = 21.25 %
Theory	Found								
C = 36.36 %	C = 36.21 %								
H = 6.10 %	H = 6.31 %								
N = 21.20 %	N = 21.25 %								
Identification (TLC)	complies with authentic material								
Melting point	168 ° C								
Purity (TLC)	> 98%								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.2% (Nth 21.20 %, Nfd 21.25%)								
Latest update: October 08, 2013									