

Analytical Data Sheet

Lot number

1043364

not for drug use

Catalog Number	C-1660.0025
Product number	4001679.0025
Product	Z- Gly- NH ₂
Molecular formula	C ₁₀ H ₁₂ N ₂ O ₃
Relative molecular mass	208.22

Tests	Results								
Appearance	white crystalline 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 = 57.7 %</td> <td>C = 57.4 %</td> </tr> <tr> <td>H = 5.8 %</td> <td>H = 5.8 %</td> </tr> <tr> <td>N = 13.5 %</td> <td>N = 13.5 %</td> </tr> </table>	Theory	Found	C = 57.7 %	C = 57.4 %	H = 5.8 %	H = 5.8 %	N = 13.5 %	N = 13.5 %
Theory	Found								
C = 57.7 %	C = 57.4 %								
H = 5.8 %	H = 5.8 %								
N = 13.5 %	N = 13.5 %								
Identification (TLC)	complies with authentic material								
Melting point	139 ° C								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 85/10/5 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.4% (Nth 13.45 %, Nfd 13.50%)								
Latest update: June 27, 2012									