

Analytical Data Sheet

Lot number **1074824**
not for drug use

Catalog number **C-1865.0025**
Product number **4000159.0025**
Product **Z- Gly- Phe- OH**
Molecular formula **C₁₉H₂₀N₂O₅**
Relative molecular mass **356.38**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (ESI-MS)	m = 356.4u (average mass)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 64.04 %</td> <td>C = 63.86 %</td> </tr> <tr> <td>H = 5.66 %</td> <td>H = 5.69 %</td> </tr> <tr> <td>N = 7.86 %</td> <td>N = 7.82 %</td> </tr> </tbody> </table>	Theory	Found	C = 64.04 %	C = 63.86 %	H = 5.66 %	H = 5.69 %	N = 7.86 %	N = 7.82 %
Theory	Found								
C = 64.04 %	C = 63.86 %								
H = 5.66 %	H = 5.69 %								
N = 7.86 %	N = 7.82 %								
Identification (TLC)	conforms with authentic material								
Melting point	132 °C								
Purity (TLC)	> 98%								
Related impurities (TLC)	< 0.3% Z-Gly-OH								
TLC conditions	chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (titration)	100.8% (TBAH)								

Latest update: December 13, 2017

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