

Analytical Data Sheet

Lot number **1065643**
not for drug use

Catalog number **C-1880.0025**
Product number **4000301.0025**
Product **Z- Gly- Pro- OH**
Molecular formula **C₁₅H₁₈N₂O₅**
Relative molecular mass **306.32**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	158 °C
Specific optical rotation	$[\alpha]_D^{24} = -66.6^\circ$ (2% in ethanol abs.)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% Z-Gly-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.2% Z-Gly-D-Pro-OH
Assay (titration)	99.1% (TBAH)
Water content (KF volumetric)	0.1%

Latest update: May 26, 2016

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