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Certificate of Analysis

Catalogue Number	02182
Product	Z-Gly-Pro-OH
Lot Number	000127-1065643
	Z-L-glycyl-L-proline
CAS Number	1160-54-9
Molecular Formula	C ₁₅ H ₁₈ N ₂ O ₅
Molecular Weight	306.32

Appearance	White powder
Solubility	Clear colorless solution (50 mg/mL in methanol)
Melting Point	158 °C
Water Content (Karl Fisher)	0.1%
TLC System	n-butanol/Acetic acid/Water : 4/2/2 Chloroform/Methanol/Acetic acid/Water : 45/13/1/2 Ethylacetate/Pyridine/Acetic acid/Water : 60/20/6/11 Plate : Silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, TMB
Optical Rotation	[α] _D ²⁰ = -66.6 ° (C=2% in absolute ethaol)
Related Substances	Related impurities (TLC) : < 0.2% (Z-Gly-OH)
Assay by titration	99.1% (TBAH)
Other Enantiomer	0.2%
Purity by TLC	> 99%
Chiral Purity	99.8% (ee)
Storage	Store at 0 - 8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager