Analytical Data Sheet

Lot number

1020144

not for drug use

Catalog Number	**C–3200.0001**
Product number	**4011502.0001**
Product	**Z– cis– Hyp– OH**
Molecular formula	$C_{13}H_{15}NO_5$
Relative molecular mass	265.27

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (elemental analysis)	Theory / Found C = 58.86 % / C = 58.67 % H = 5.70 % / H = 5.89 % N = 5.28 % / N = 5.31 %
Identification (TLC)	Complies with authentic material
Melting point	113 °C
Specific optical rotation	$[\alpha]_D^{24}$ = – 39.3 ° (1.84 % in methanol)
Purity (TLC)	> 99%
TLC conditions	Chloroform/methanol/toluene/H_2O 8/8/8/1 Chloroform/methanol/acetic acid 77.5/15/7.5 Chloroform/methanol/acetic acid(98–100%)/H_2O 45/13/1/2 Plate: silicagel 60 F_{254} Detected: UV, ammoniummolybdate
Enantiomer content (GC)	< 0.1 % D–trans Hydroxyproline < 0.1 % L–trans Hydroxyproline < 0.1 % D–cis Hydroxyproline 99.9 % L–cis Hydroxyproline