

Analytical Data Sheet

Lot number **1053886**
not for drug use

Catalog number **C-2015.0025**
Product number **4002305.0025**
Product **Z- Hyp- OH**
Molecular formula **C₁₃H₁₅NO₅**
Relative molecular mass **265.27**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.5% (TFA)
Related impurities (HPLC)	not det. Z-Hyp-Hyp-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Hyp-OH
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 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, Amm, TMB
Enantiomer content (chiral chromatography)	< 0.1% D-trans-Hyp < 0.1% L-cis-Hyp < 0.1% D-cis-Hyp
Assay (titration)	98.8% (TBAH)
Water content (KF volumetric)	0.1%