

Analytical Data Sheet

Lot number **1057389**
not for drug use

Catalog number **C-2460.0025**
Product number **4001343.0025**
Product **Z- Pro- OH**
Molecular formula **C₁₃H₁₅NO₄**
Relative molecular mass **249.27**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 249.3u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.1% (TFA)
Related impurities (HPLC)	< 0.1% Z-Pro-Pro-OH
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Pro-OH
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.1% D-enantiomer
Other amino acids (GC)	< 0.3%
Assay (titration)	99.6% (TBAH)
Water content (KF volumetric)	< 0.1%