

Analytical Data Sheet

Lot number **1075994**
not for drug use

Catalog number **C-2430.0005**
Product number **4002620.0005**
Product **Z- Phe- Pro- OH**
Molecular formula $C_{22}H_{24}N_2O_5$
Relative molecular mass 396.44

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	Complies with authentic material
Melting point	107 °C
Specific optical rotation	$[\alpha]_D^{24} = -62.7^\circ$ (1 % pyridine)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 chloroform/ethylacetate/acetic acid 50/50/2 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	96.5% (Nth 7.07 %, Nfd 6.82 %)
Water content (KF volumetric)	0.8%
Residual organic solvents (GC)	0.1% IPE 3.3% EtOAc

Latest update: March 07, 2018

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