

Analytical Data Sheet

Lot number

1047255

not for drug use

Catalog Number	A-2730.0005
Product number	4003145.0005
Product	Boc- Phe- Pro- OH
Molecular formula	C ₁₉ H ₂₆ N ₂ O ₅
Relative molecular mass	362.43

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution with small threads (50 mg/ml in methanol)
Identification (TLC)	Complies with authentic material
Melting point	136 °C
Specific optical rotation	$[\alpha]_D^{24} = -35.9^\circ$ (1 % EtOH)
Purity (TLC)	> 99%
TLC conditions	Chloroform/methanol/toluene/H ₂ O 8/8/8/1 Toluene/dioxane/acetic acid 95/25/4 Chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.6% (Cth 62.97 %, Cfd 62.70 %)
Latest update: March 13, 2013	Analytical Data Sheet Lot number 1047255