

Analytical Data Sheet

Lot number **1000045262**
not for drug use

Product H-Phe-OBzl · HCl
Product number **4017515.0025**
Molecular formula C₁₆H₁₇NO₂ · HCl
Relative molecular mass 291.78

Tests	Results
Appearance	off white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Melting point	200°C
Specific optical rotation	[α] _D ²⁴ = + 13.8° (1% in DMF)
Purity (HPLC)	99.0% (TFA)
Purity (TLC)	>99%
Related impurities (TLC)	<0,1% H-Phe-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	100.3% (C _{Th} 65.86%, C _{Fd} 66.05%)
Water content (KF coulometric)	<0.1%
Chloride content (titration)	12.0%

Latest update: March 09, 2021

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