

Analytical Data Sheet

Lot number **1000001082**
not for drug use

Catalog number **F-1975.0025**
Product number **4031149.0025**
Product **H- D- Phe- OH**
Molecular formula $C_9H_{11}NO_2$
Relative molecular mass 165.19

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 1N HCl)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +8.6^\circ$ (5% in 1N HCl)
Purity (TLC)	> 99.9%
Related impurities (TLC)	< 0.1% H-D-Tyr-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% L-Enantiomer
Other amino acids (GC)	< 0.3%
Assay (elemental analysis)	100.0% (Nth 8.48%, Nfd 8.48%)

Latest update: June 12, 2018

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