

Analytical Data Sheet

Lot number **1075731**
not for drug use

Catalog number **G-1620.1000**
Product number **4001477.1000**
Product **H- Asp- Phe- OH**
Molecular formula $C_{13}H_{16}N_2O_5$
Relative molecular mass 280.28

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material reference lot: 1043548
Specific optical rotation	$[\alpha]_D^{24} = +11.3^\circ$ (1% in 0.5M HCl)
Purity (TLC)	$\geq 98\%$
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	94.1% (Nth 9.99%, Nfd 9.40%) 96.0% (Cth 55.71%, Cfd 53.46%)
Water content (KF volumetric)	1.6%

Latest update: March 31, 2020

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