

Analytical Data Sheet

Lot number

1045324

not for drug use

Catalog Number	M-1530.0005
Product number	4000645.0005
Product	H- Leu- Gly- Gly- OH
Molecular formula	$C_{10}H_{19}N_3O_4$
Relative molecular mass	245.28

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in 80% AcOH)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 58.5^\circ$ (1 % H ₂ O)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Leu-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.6% (Nth 17.13 %, Nfd 17.07 %)
Residual organic solvents (GC)	0.4% acetone 0.3% dimethylformamide
Latest update: November 06, 2012	Analytical Data Sheet Lot number 1045324