

Analytical Data Sheet

Lot number **1000035757**
not for drug use

Product H-Leu-Val-OH
Product number **4000177.0001**
Molecular formula $C_{11}H_{22}N_2O_3$
Relative molecular mass 230.31

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	$[\alpha]_D^{24} = +15.2^\circ$ (2% H ₂ O)
Purity (TLC)	≥ 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/ H ₂ O 6/5/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	93.5% (Nth 12.16%, Nfd 11.37%)
Water content (KF volumetric)	2.9%

Latest update: August 05, 2020

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