

Analytical Data Sheet

Lot number **1073142**
not for drug use

Catalog number **G-1515.1000**
Product number **4002139.1000**
Product **H- Arg- Phe- OH acetate salt**
Molecular formula $C_{15}H_{23}N_5O_3$
Relative molecular mass 321.38

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +26.2^\circ$ (1% in water)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	76.9% (Nth 21.79%, Nfd 16.76%)
Assay (titration)	73.9% (HClO ₄)
Water content (KF volumetric)	1.3%

Latest update: August 25, 2017

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