

## Analytical Data Sheet

Lot number **1075949**  
not for drug use

Catalog number **G-1175.0001**  
Product number **4005990.0001**  
Product **H- Ala- Arg- OH**  
Molecular formula  $C_9H_{19}N_5O_3$   
Relative molecular mass 245.28

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	$[\alpha]_D^{24} = + 10.4^\circ$ (1 % in acetic acid 80 %)
Purity (TLC)	> 99%
TLC conditions	isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	72.6% (Nth 28.55 %, Nfd 20.74 %)
Water content (KF volumetric)	6.5%
General comment	product supplied as an acetate salt

Latest update: March 07, 2018

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