

Analytical Data Sheet

Lot number **1070194**
not for drug use

Catalog number **H-5420.0250**
Product number **4011362.0250**
Product **H- Ala- Phe- Ala- OH**
Molecular formula $C_{15}H_{21}N_3O_4$
Relative molecular mass 307.35

Tests	Results
Appearance	off-white crystals
Appearance of solution	clear, slightly yellowish solution (25 mg/mL in 80% acetic acid)
Identification (ESI-MS)	m = 143.2u (average mass)
Identification (elemental analysis)	Theory Found C = 58.7% C = 58.4% H = 9.2% H = 9.1% N = 9.8% N = 9.7%
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.5% (Cth 58.72%, Cfd 58.41%)
Water content (KF volumetric)	0.3%

Latest update: February 15, 2017

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