

## Analytical Data Sheet

Lot number **1070931**  
not for drug use

Catalog number **G-1200.0001**  
Product number **4002318.0001**  
Product **H- Ala- Glu- OH**  
Molecular formula **C<sub>8</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>**  
Relative molecular mass **218.21**

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)
Identification (ESI-MS)	m = 218.2u (average mass)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -7.6^\circ$ (2% in 0.5 M HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/60/12/36 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (titration)	92.8% (HClO <sub>4</sub> )
Water content (KF volumetric)	2.1%
General comment	hygroscopic product

Latest update: March 23, 2017

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