

## Analytical Data Sheet

Lot number **1062044**  
not for drug use

Catalog number **G-1350.0001**  
Product number **4002443.0001**  
Product **H- Ala- Pro- OH**  
Molecular formula **C<sub>8</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>**  
Relative molecular mass **186.21**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% methanol)
Identification (TLC)	complies with authentic material
Melting point	178 °C
Specific optical rotation	$[\alpha]_D^{24} = -118.1^\circ$ (1% in water) (corrected for assay)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	98.0% (Nth 15.04%, Nfd 14.74%)
Water content (KF volumetric)	0.9%

Latest update: October 12, 2015

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