

Analytical Data Sheet

Lot number **1000012258**
not for drug use

Catalog number **F-1435.0005**
Product number **4002338.0005**
Product **H- β - Chloro- D- Ala- OH · HCl**
Molecular formula **C₃H₆ClNO₂ · HCl**
Relative molecular mass **160.00**

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	$[\alpha]_D^{24} = -3.5^\circ$ (2% in 1N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	98.4% (Cth 22.52% Cfd 22.16%)
Water content (KF volumetric)	0.3%
Chloride content (titration)	22.9%

Latest update: February 18, 2019

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