

Analytical Data Sheet

Lot number **1064400**
not for drug use

Catalog number **F-1155.0025**
Product number **4002283.0025**
Product **H- β -Ala-OMe · HCl**
Molecular formula **C₄H₉NO₂ · HCl**
Relative molecular mass **139.58**

Tests	Results
Appearance	white crystalline product
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	<p>Theory Found</p> <p>C = 34.4% C = 34.5%</p> <p>H = 7.2% H = 6.8%</p> <p>N = 10.0% N = 10.0%</p> <p>calc. x 1 HCl</p>
Identification (TLC)	complies with authentic material
Melting point	106 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H- β -Ala-OH
TLC conditions	<p>n-butanol/acetic acid/H₂O 4/2/2</p> <p>chloroform/methanol/acetic acid 32% 5/3/1</p> <p>ethylacetate/pyridine/acetic acid/H₂O 6/5/1/3</p> <p>plate: silicagel 60 F₂₅₄</p> <p>detected by: UV, ninhydrin, TMB</p>
Assay (elemental analysis)	99.2% (Nth 10.03%, Nfd 9.95%)
Water content (KF volumetric)	0.3%
Chloride content (titration)	25.2% (AgNO ₃)

Latest update: February 24, 2016

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