

Analytical Data Sheet

Lot number **1056637**
not for drug use

Catalog number **F-1135.0005**
Product number **4010013.0005**
Product **H- β -Ala- OtBu · HCl**
Molecular formula **C₇H₁₅NO₂ · HCl**
Relative molecular mass **181.66**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	158 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H- β -Ala-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	100.2% (Cth 46.28%, Cfd 46.38%)
Water content (KF volumetric)	0.1%
Chloride content (titration)	19.6%

Latest update: January 20, 2015

Analytical Data Sheet
Lot number **1056637**