

## Analytical Data Sheet

Lot number **1000022137**  
not for drug use

Catalog number **F-1135.0025**  
Product number **4010013.0025**  
Product **H-  $\beta$ - Ala- OtBu · HCl**  
Molecular formula **C<sub>7</sub>H<sub>15</sub>NO<sub>2</sub> · 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- $\beta$ -Ala-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 plate: silicagel 60 F <sub>254</sub> 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: September 25, 2019

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