

## Analytical Data Sheet

Lot number **1000025792**  
not for drug use

Catalog number **F-1315.0005**  
Product number **4005692.0005**  
Product **H-  $\beta$ - tBu- Ala- OH**  
Molecular formula **C<sub>7</sub>H<sub>15</sub>NO<sub>2</sub>**  
Relative molecular mass **145.20**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (20 mg/mL in 80% acetic acid)
Identification (TLC)	conforms with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -11.3^\circ$ (1 % in H <sub>2</sub> O)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 6/5/1/3 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-enantiomer
Assay (elemental analysis)	98.5% (Nth 9.65%, Nfd 9.51%)
Water content (KF volumetric)	0.2%

Latest update: December 12, 2019

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