

Analytical Data Sheet

Lot number **1000022630**
not for drug use

Catalog number **C-3680.0005**
Product number **4018563.0005**
Product **Z- Aib- OH**
Molecular formula $C_{12}H_{15}NO_4$
Relative molecular mass 237.26

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (TLC)	complies with authentic material
Melting point	79°
Purity (HPLC)	99.0% (TEAP)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Aib-OH
TLC conditions	acetonitrile/H ₂ O 7/3 toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	99.4% (TBAH)
Water content (KF volumetric)	0.1%

Latest update: September 30, 2019

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