

Analytical Data Sheet

Lot number **1073908**
not for drug use

Catalog number **E-1015.0005**
Product number **4000351.0005**
Product **Ac- Ala- NHMe**
Molecular formula $C_6H_{12}N_2O_2$
Relative molecular mass 144.17

| Tests | Results |
|--|---|
| Appearance | white powder |
| Appearance of solution | clear, colorless solution (50 mg/mL in methanol) |
| Identification (ESI-MS) | m = 144.2u (average mass) |
| Identification (TLC) | complies with authentic material |
| Purity (TLC) | > 99% |
| TLC conditions | chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine |
| Enantiomer content (chiral chromatography) | < 0.1% D-enantiomer |
| Assay (elemental analysis) | 99.7% (Nth 19.43%, Nfd 19.36%) |
| Water content (KF volumetric) | 0.2% |

Latest update: October 31, 2017

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