

Analytical Data Sheet

Lot number **1000006001**
not for drug use

Catalog number **E-1285.0100**
Product number **4030174.0100**
Product **H- Ala- OH**
Molecular formula **C₃H₇NO₂**
Relative molecular mass **89.09**

Tests	Results
Appearance	white crystalline powder
Appearance of solution	clear, colorless solution (50 mg/ml in 1 N HCl)
Identification (IR)	complies with authentic material
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 14.3^\circ$ (5 % in 1 N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-enantiomer
Other amino acids (GC)	< 0.3%
Assay (elemental analysis)	99.8% (Nth 15.72%, Nfd 15.69%)

Latest update: September 13, 2018

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