

Analytical Data Sheet

Lot number **1053922**
not for drug use

Catalog number **E-1295.0005**
Product number **4000040.0005**
Product **H- Ala- NH₂ · HCl**
Molecular formula **C₃H₈N₂O · HCl**
Relative molecular mass **124.57**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	<p>Theory Found</p> <p>C = 28.8% C = 28.9%</p> <p>H = 7.3% H = 6.9%</p> <p>N = 22.4% N = 22.6%</p> <p>calc. x 1 HCl (29.2%) x 0.02 H₂O (0.3%)</p>
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +11.5^\circ$ (1 % in methanol)
Enantiomer content (GC)	0.1% D-enantiomer
Other amino acids (GC)	none detected (< 0.3 %)
Assay (elemental analysis)	100.4% (Nth 22.49%, Nfd 22.59%)
Water content (KF volumetric)	0.3%
Chloride content (titration)	102% of theoretical (Cl ⁻ th =28.46%)