

Analytical Data Sheet

Lot number **1057334**
not for drug use

Catalog number **E-1980.0005**
Product number **4002258.0005**
Product **H- Gly- OtBu · HCl**
Molecular formula **C₆H₁₃NO₂ · HCl**
Relative molecular mass **167.64**

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 = 42.3% C = 42.0%</p> <p>H = 8.3% H = 8.2%</p> <p>N = 8.2% N = 8.2%</p> <p>calc. x 1.05 HCl (21.8%) + 0.05 H₂O (0.5%)</p>
Identification (TLC)	complies with authentic material
Melting point	139 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Gly-OH
TLC conditions	<p>n-butanol/acetic acid/H₂O 4/2/2</p> <p>chloroform/methanol/acetic acid 32% 5/3/1</p> <p>plate: silicagel 60 F₂₅₄</p> <p>detected by: UV, ninhydrin, TMB</p>
Assay (elemental analysis)	97.8% (C _{th} 42.99%, C _{fd} 42.04%)
Water content (KF volumetric)	0.2%
Chloride content (titration)	21.8% (AgNO ₃)