

Analytical Data Sheet

Lot number	1000044763 not for drug use
Product	H-Pro-Gly-OH
Product number	4001061.0005
Molecular formula	C ₇ H ₁₂ N ₂ O ₃
Relative molecular mass	172.18

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)
Identification (elemental analysis)	Theory Found C = 45.21% C = 45.27% H = 7.33% H = 7.21% N = 15.06% N = 15.12% calc. as 0.765 H ₂ O (7.41%)
Identification (TLC)	conforms with authentic material
Specific optical rotation	[α] _D ²⁴ = - 20.8° (1 % in H ₂ O)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 n-butanol/acetic acid/H ₂ O/pyridine 30/6/24/20 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine isopropanol/ammonia conc. 1/1 plate: HPTLC detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	93.1% (N _{Th} 16.27 %, N _{Fd} 15.14 %)
Water content (KF volumetric)	7.4 %