

Analytical Data Sheet

Lot number	1000048861 not for drug use
Product	H-Gly-Lys-OH · HCl
Product number	4000112.0001
Molecular formula	C ₈ H ₁₇ N ₃ O ₃ · HCl
Relative molecular mass	239.70

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in AcOH 80%)
Identification (TLC)	conforms with the reference
Specific optical rotation	[α] _D ²⁴ = -9.8° (2% in 0.5 N HCl)
Purity (TLC)	> 99%
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	96.2% (Nth 17.53%, Nfd 16.87%)
Water content (KF volumetric)	2.1%

Latest update: April 12, 2021

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