

Analytical Data Sheet

Lot number	1000044224 not for drug use
Product	H-Ala-Gln-OH
Product number	4003766.0005
Molecular formula	C ₈ H ₁₅ N ₃ O ₄
Relative molecular mass	217.23

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	R _f value in agreement with authentic material
Specific optical rotation	[α] _D ²⁴ = + 11.2° (1% in water)
Purity (TLC)	>99%
TLC conditions	isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	98.6% (TBAH)
Water content (KF volumetric)	0.6%