

Analytical Data Sheet

Lot number

1050392

not for drug use

Catalog Number	G-3445.0005
Product number	4000819.0005
Product	H- Tyr- Lys- OH
Molecular formula	C ₁₅ H ₂₃ N ₃ O ₄
Relative molecular mass	309.37

Tests	Results
Appearance	white crystalline product
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (TLC)	complies with authentic material
Purity (TLC)	≥ 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	80.7% (Nth 13.58%, Nfd 10.96%)
Assay (titration)	81.6% (HClO ₄)
Water content (KF volumetric)	5.7%
General comment	hygroscopic product product supplied as acetate salt
Latest update: October 15, 2013	