

Analytical Data Sheet

Lot number

1021494

not for drug use

Catalog Number	C-2205.0005
Product number	4010002.0005
Product	Z- D- Lys- OH
Molecular formula	C ₁₄ H ₂₀ N ₂ O ₄
Relative molecular mass	280.32

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)
Identification (TLC)	complies with authentic material
Chloride precipitation test	negative
Specific optical rotation	$[\alpha]_D^{24} = + 13.5^\circ$ (2 % 0.2 N HCl)
Purity (TLC)	> 99%
TLC conditions	n-Butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.8% (Nth 9.99 %, Nfd 9.97 %)
Latest update: January 08, 2009	

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