

Analytical Data Sheet

Lot number

1049200

not for drug use

Catalog Number	E-1480.0005
Product number	4001751.0005
Product	Bz- Lys- OH
Molecular formula	C₁₃H₁₈N₂O₃
Relative molecular mass	250.30

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (25 mg/mL in water)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 62.4%</td> <td>C = 62.3%</td> </tr> <tr> <td>H = 7.3%</td> <td>H = 7.2%</td> </tr> <tr> <td>N = 11.2%</td> <td>N = 11.2%</td> </tr> </table>	Theory	Found	C = 62.4%	C = 62.3%	H = 7.3%	H = 7.2%	N = 11.2%	N = 11.2%
Theory	Found								
C = 62.4%	C = 62.3%								
H = 7.3%	H = 7.2%								
N = 11.2%	N = 11.2%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = + 17.8^\circ$ (2% in water + leq. 1N sodium chloride)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.8% (Nth 11.19%, Nfd 11.17%)								
Water content (KF volumetric)	0.4%								
Latest update: July 22, 2013									