

Analytical Data Sheet

Lot number **1062437**
not for drug use

Catalog number **E-1480.0001**
Product number **4001751.0001**
Product **Bz- Lys- OH**
Molecular formula $C_{13}H_{18}N_2O_3$
Relative molecular mass 250.30

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (25 mg/ml in H ₂ O)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 61.94 %</td><td>C = 61.79 %</td></tr><tr><td>H = 7.28 %</td><td>H = 7.18 %</td></tr><tr><td>N = 11.11 %</td><td>N = 11.10 %</td></tr></tbody></table> <p>calc. as 0.1 H₂O (0.7 %)</p>	Theory	Found	C = 61.94 %	C = 61.79 %	H = 7.28 %	H = 7.18 %	N = 11.11 %	N = 11.10 %
Theory	Found								
C = 61.94 %	C = 61.79 %								
H = 7.28 %	H = 7.18 %								
N = 11.11 %	N = 11.10 %								
Specific optical rotation	$[\alpha]_D^{24} = +17.8^\circ$ (2 % H ₂ O + 1 equ. NaOH 1N)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.5%								

Latest update: November 02, 2015

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