

Analytical Data Sheet

Lot number

1021730

not for drug use

Catalog Number	G-3550.0005
Product number	4001046.0005
Product	H- Val- Lys- OH · HCl
Molecular formula	C ₁₁ H ₂₃ N ₃ O ₃ · HCl
Relative molecular mass	281.78

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in H ₂ O)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 46.74 %</td> <td>C = 46.84 %</td> </tr> <tr> <td>H = 8.59 %</td> <td>H = 8.41 %</td> </tr> <tr> <td>N = 14.86 %</td> <td>N = 14.51 %</td> </tr> </table> <p>calc. as 1 HCl (Cl⁻ 12.5 %) x 0.05 H₂O (0.3 %)</p>	Theory	Found	C = 46.74 %	C = 46.84 %	H = 8.59 %	H = 8.41 %	N = 14.86 %	N = 14.51 %
Theory	Found								
C = 46.74 %	C = 46.84 %								
H = 8.59 %	H = 8.41 %								
N = 14.86 %	N = 14.51 %								
Identification (TLC)	conforms with authentic material								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Water content (KF coulometric)	0.4%								
Chloride content (titration)	12.4%								
Latest update: January 23, 2009									