

Analytical Data Sheet

Lot number

1021729

not for drug use

Catalog Number	G-3925.0005
Product number	4002392.0005
Product	H- Val- Gln- OH
Molecular formula	C ₁₀ H ₁₉ N ₃ O ₄
Relative molecular mass	245.28

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 49.0 %</td> <td>C = 48.8 %</td> </tr> <tr> <td>H = 7.8 %</td> <td>H = 7.7 %</td> </tr> <tr> <td>N = 17.1 %</td> <td>N = 17.2 %</td> </tr> </table>	Theory	Found	C = 49.0 %	C = 48.8 %	H = 7.8 %	H = 7.7 %	N = 17.1 %	N = 17.2 %
Theory	Found								
C = 49.0 %	C = 48.8 %								
H = 7.8 %	H = 7.7 %								
N = 17.1 %	N = 17.2 %								
Identification (TLC)	conforms with authentic material								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	100.2% (Nth 17.13 %, Nfd 17.16 %)								
Water content (KF coulometric)	0.1 %								
Latest update: January 21, 2009									