

Analytical Data Sheet

Lot number

1044243

not for drug use

Catalog Number	G-3277.1000
Product number	4007099.1000
Product	H- Thr- Gln- OH
Molecular formula	C₉H₁₇N₃O₅
Relative molecular mass	247.25

Tests	Results									
Appearance	white crystals									
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 = 43.7 %</td> <td>C = 43.4 %</td> </tr> <tr> <td>H = 6.9 %</td> <td>H = 6.9 %</td> </tr> <tr> <td>N = 17.0 %</td> <td>N = 16.9 %</td> </tr> </table>	Theory	Found	C = 43.7 %	C = 43.4 %	H = 6.9 %	H = 6.9 %	N = 17.0 %	N = 16.9 %	
Theory	Found									
C = 43.7 %	C = 43.4 %									
H = 6.9 %	H = 6.9 %									
N = 17.0 %	N = 16.9 %									
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 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: ninhydrin, chlorine-tolidine									
Assay (elemental analysis)	99.2% (Nth 16.99 %, Nfd 16.85 %)									
Water content (KF volumetric)	0.6%									
Latest update: August 20, 2012		Analytical Data Sheet Lot number 1044243								