

Analytical Data Sheet

Lot number

1043296

not for drug use

Catalog Number	F-2195.0001
Product number	4011709.0001
Product	H- D- Cys(Bzl) - OH
Molecular formula	C ₁₀ H ₁₃ NO ₂ S
Relative molecular mass	211.29

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 = 56.37 %</td> <td>C = 56.21 %</td> </tr> <tr> <td>H = 6.24 %</td> <td>H = 6.04 %</td> </tr> <tr> <td>N = 6.57 %</td> <td>N = 6.61 %</td> </tr> </table>	Theory	Found	C = 56.37 %	C = 56.21 %	H = 6.24 %	H = 6.04 %	N = 6.57 %	N = 6.61 %
Theory	Found								
C = 56.37 %	C = 56.21 %								
H = 6.24 %	H = 6.04 %								
N = 6.57 %	N = 6.61 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -25.4^\circ$ (1 % in 1 N sodium hydroxide)								
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: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.7%								
Latest update: June 27, 2012									