

Analytical Data Sheet

Lot number

1021983

not for drug use

Catalog Number	G-2350.1000
Product number	4001146.1000
Product	H- His- Trp- OH
Molecular formula	C ₁₇ H ₁₉ N ₅ O ₃
Relative molecular mass	341.37

Tests	Results								
Appearance	slightly pink powder								
Appearance of solution	clear, slightly pink solution (50 mg/mL in water)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 52.50 %</td> <td>C = 52.14 %</td> </tr> <tr> <td>H = 5.77 %</td> <td>H = 5.86 %</td> </tr> <tr> <td>N = 17.37 %</td> <td>N = 17.34 %</td> </tr> </table>	Theory	Found	C = 52.50 %	C = 52.14 %	H = 5.77 %	H = 5.86 %	N = 17.37 %	N = 17.34 %
Theory	Found								
C = 52.50 %	C = 52.14 %								
H = 5.77 %	H = 5.86 %								
N = 17.37 %	N = 17.34 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 98%								
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	84.0% (Nth 20.52%, Nfd 17.24%)								
Water content (KF volumetric)	2.8%								
Latest update: February 02, 2009	Analytical Data Sheet Lot number 1021983								