

# Analytical Data Sheet

Lot number

**1010411**

not for drug use

Catalog Number	G-2750.1000
Product number	4008532.1000
Product	H- Met- His- OH
Molecular formula	C <sub>11</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub> S
Relative molecular mass	286.36

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in H <sub>2</sub> O)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 42.38 %</td> <td>C = 42.62 %</td> </tr> <tr> <td>H = 6.29 %</td> <td>H = 6.58 %</td> </tr> <tr> <td>N = 17.04 %</td> <td>N = 17.12 %</td> </tr> </table> <p>calc. as 0.6 HCOOH (8.4 %) x 0.11 HCl (1.2 %) x 0.6 H<sub>2</sub>O (3.3 %)</p>	Theory	Found	C = 42.38 %	C = 42.62 %	H = 6.29 %	H = 6.58 %	N = 17.04 %	N = 17.12 %
Theory	Found								
C = 42.38 %	C = 42.62 %								
H = 6.29 %	H = 6.58 %								
N = 17.04 %	N = 17.12 %								
Identification (TLC)	conforms with authentic material								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	87.5% (Nth 19.57 %, Nfd 17.12 %)								
Water content (KF volumetric)	3.1%								
Chloride content (titration)	1.2%								
General comment	Product supplied as formic acid salt								
Latest update: October 24, 2008									