

Analytical Data Sheet

Lot number

1038219

not for drug use

Catalog Number	E-1950.0500
Product number	4025766.0500
Product	H- Gly- NH₂ · HCl
Molecular formula	C₂H₆N₂O · HCl
Relative molecular mass	110.54

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in water)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 21.7%</td> <td>C = 21.9%</td> </tr> <tr> <td>H = 6.4%</td> <td>H = 6.3%</td> </tr> <tr> <td>N = 25.3%</td> <td>N = 25.4%</td> </tr> </table>	Theory	Found	C = 21.7%	C = 21.9%	H = 6.4%	H = 6.3%	N = 25.3%	N = 25.4%
Theory	Found								
C = 21.7%	C = 21.9%								
H = 6.4%	H = 6.3%								
N = 25.3%	N = 25.4%								
Identification (TLC)	complies with authentic material								
Melting point	200-205 °C (decomposition)								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.2%								
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)	100.4% (Nth 25.34%, Nfd 25.43%)								
Water content (KF coulometric)	< 0.01%								
Chloride content (titration)	32.0%								
Latest update: September 05, 2011	Analytical Data Sheet Lot number 1038219								