

Analytical Data Sheet

Lot number

1007587

not for drug use

Catalog Number	F-1990.0025
Product number	4001394.0025
Product	H- DL- Phe- NH ₂ · HCl
Molecular formula	C ₉ H ₁₂ N ₂ O · HCl
Relative molecular mass	200.67

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 53.9 %</td> <td>C = 53.6 %</td> </tr> <tr> <td>H = 6.5 %</td> <td>H = 6.6 %</td> </tr> <tr> <td>N = 14.0 %</td> <td>N = 14.1 %</td> </tr> </table>	Theory	Found	C = 53.9 %	C = 53.6 %	H = 6.5 %	H = 6.6 %	N = 14.0 %	N = 14.1 %
Theory	Found								
C = 53.9 %	C = 53.6 %								
H = 6.5 %	H = 6.6 %								
N = 14.0 %	N = 14.1 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine								
Chloride content (titration)	17.6% (AgNO ₃)								
Latest update: October 24, 2008	Analytical Data Sheet Lot number 1007587								