

# Analytical Data Sheet

Lot number

## 1018888

not for drug use

<b>Catalog Number</b>	F-3835.0025
<b>Product number</b>	4028880.0025
<b>Product</b>	H- Phg- NH <sub>2</sub> · HCl
<b>Molecular formula</b>	C <sub>8</sub> H <sub>10</sub> N <sub>2</sub> O · HCl
<b>Relative molecular mass</b>	186.64

Tests	Results								
<b>Appearance</b>	white crystalline powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol 50%)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 51.5 %</td> <td>C = 51.1 %</td> </tr> <tr> <td>H = 5.9 %</td> <td>H = 5.9 %</td> </tr> <tr> <td>N = 15.0 %</td> <td>N = 14.9 %</td> </tr> </table>	Theory	Found	C = 51.5 %	C = 51.1 %	H = 5.9 %	H = 5.9 %	N = 15.0 %	N = 14.9 %
Theory	Found								
C = 51.5 %	C = 51.1 %								
H = 5.9 %	H = 5.9 %								
N = 15.0 %	N = 14.9 %								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +101.4^\circ$ (1% in H <sub>2</sub> O)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
<b>Enantiomer content (GC)</b>	< 0.1% D-Enantiomer								
<b>Chloride content (titration)</b>	19.0% (AgNO <sub>3</sub> )								
Latest update: October 24, 2008									