

# Analytical Data Sheet

Lot number

## 1020723

not for drug use

<b>Catalog Number</b>	F-1260.1000
<b>Product number</b>	4010004.1000
<b>Product</b>	H- Asp- NH <sub>2</sub>
<b>Molecular formula</b>	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub>
<b>Relative molecular mass</b>	132.12

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear colorless solution (20 mg/ml in acetic acid 80 %)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 32.00 %</td> <td>C = 31.90 %</td> </tr> <tr> <td>H = 6.71 %</td> <td>H = 6.81 %</td> </tr> <tr> <td>N = 18.66 %</td> <td>N = 18.67 %</td> </tr> </table> <p>calc. as 1 H<sub>2</sub>O (12.0 %)</p>	Theory	Found	C = 32.00 %	C = 31.90 %	H = 6.71 %	H = 6.81 %	N = 18.66 %	N = 18.67 %
Theory	Found								
C = 32.00 %	C = 31.90 %								
H = 6.71 %	H = 6.81 %								
N = 18.66 %	N = 18.67 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	217 °C								
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = + 14.3 ° (1 % in 1N HCl)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 60/45/14/6 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: November 25, 2008									