

# Analytical Data Sheet

Lot number

## 1016399

not for drug use

<b>Catalog Number</b>	E-3115.0025
<b>Product number</b>	4019074.0025
<b>Product</b>	H- Asp(OMe) – OH · HCl
<b>Molecular formula</b>	C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> · HCl
<b>Relative molecular mass</b>	183.59

Tests	Results								
<b>Appearance</b>	white crystals								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in water)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 32.1 %</td> <td>C = 32.2 %</td> </tr> <tr> <td>H = 5.4 %</td> <td>H = 5.6 %</td> </tr> <tr> <td>N = 7.5 %</td> <td>N = 7.5 %</td> </tr> </table> <p>calc. x 1 HCl (19.8 %) x 0.2 H<sub>2</sub>O (1.8 %)</p>	Theory	Found	C = 32.1 %	C = 32.2 %	H = 5.4 %	H = 5.6 %	N = 7.5 %	N = 7.5 %
Theory	Found								
C = 32.1 %	C = 32.2 %								
H = 5.4 %	H = 5.6 %								
N = 7.5 %	N = 7.5 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	196 °C								
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = + 15.4 ° (1 % in ethanol/water 1/3)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine–tolidine								
<b>Assay (elemental analysis)</b>	78.7% (Cth 40.82 %, Cfd 32.12 %)								
<b>Water content (KF volumetric)</b>	1.9%								
<b>Chloride content (titration)</b>	18.7% (AgNO <sub>3</sub> )								
Latest update: October 24, 2008									