

# Analytical Data Sheet

Lot number

## 1020343

not for drug use

<b>Catalog Number</b>	G-4255.1000
<b>Product number</b>	4017783.1000
<b>Product</b>	H- Lys- Thr- OH hydrochloride salt
<b>Molecular formula</b>	C <sub>10</sub> H <sub>21</sub> N <sub>3</sub> O <sub>4</sub>
<b>Relative molecular mass</b>	247.30

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in H <sub>2</sub> O)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 39.80 %</td> <td>C = 39.88 %</td> </tr> <tr> <td>H = 7.92 %</td> <td>H = 8.15 %</td> </tr> <tr> <td>N = 13.92 %</td> <td>N = 13.73 %</td> </tr> </table> <p>calc. as x 1.1 HCl x 0.8 H<sub>2</sub>O</p>	Theory	Found	C = 39.80 %	C = 39.88 %	H = 7.92 %	H = 8.15 %	N = 13.92 %	N = 13.73 %
Theory	Found								
C = 39.80 %	C = 39.88 %								
H = 7.92 %	H = 8.15 %								
N = 13.92 %	N = 13.73 %								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: ninhydrin, chlorine-tolidine								
<b>Water content (KF volumetric)</b>	4.5%								
<b>Peptide content</b>	82.6% (100 - H <sub>2</sub> O - Cl <sup>-</sup> )								
<b>Chloride content (titration)</b>	12.9%								
Latest update: November 12, 2008									