

## Analytical Data Sheet

Lot number **1067359**  
not for drug use

Catalog number **F-2360.0025**  
Product number **4013572.0025**  
Product **H- DL- Leu- NH<sub>2</sub> · HCl**  
Molecular formula **C<sub>6</sub>H<sub>14</sub>N<sub>2</sub>O · HCl**  
Relative molecular mass **166.65**

Tests	Results								
Appearance	white crystals								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 43.2%</td> <td>C = 43.3%</td> </tr> <tr> <td>H = 9.1%</td> <td>H = 8.9%</td> </tr> <tr> <td>N = 16.8%</td> <td>N = 16.6%</td> </tr> </tbody> </table> <p>calc. x 1.0 HCl (21.9%)</p>	Theory	Found	C = 43.2%	C = 43.3%	H = 9.1%	H = 8.9%	N = 16.8%	N = 16.6%
Theory	Found								
C = 43.2%	C = 43.3%								
H = 9.1%	H = 8.9%								
N = 16.8%	N = 16.6%								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
TLC conditions	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	77.5% (Nth 21.52%, Nfd 16.57%)								
Water content (KF volumetric)	< 0.1%								
Chloride content (titration)	21.4%								

Latest update: August 18, 2016

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