

## Analytical Data Sheet

Lot number **1000006000**  
not for drug use

Catalog number **F-1800.0005**  
Product number **4004270.0005**  
Product **H-  $\alpha$ - Me- DL- Leu- OH**  
Molecular formula **C<sub>7</sub>H<sub>15</sub>NO<sub>2</sub>**  
Relative molecular mass **145.20**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (25 mg/ml in acetic acid 80 %)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 57.9 %</td> <td>C = 57.5 %</td> </tr> <tr> <td>H = 10.4 %</td> <td>H = 10.5 %</td> </tr> <tr> <td>N = 9.7 %</td> <td>N = 9.7 %</td> </tr> </tbody> </table>	Theory	Found	C = 57.9 %	C = 57.5 %	H = 10.4 %	H = 10.5 %	N = 9.7 %	N = 9.7 %
Theory	Found								
C = 57.9 %	C = 57.5 %								
H = 10.4 %	H = 10.5 %								
N = 9.7 %	N = 9.7 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 plate: silicagel 60 F <sub>254</sub> detected: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	100.1% (HClO <sub>4</sub> )								
Water content (KF volumetric)	0.6%								

Latest update: September 13, 2018

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