

Analytical Data Sheet

Lot number **1071616**
not for drug use

Catalog number **F-3545.0001**
Product number **4027307.0001**
Product **N- Me- DL- Phe- OMe · HCl**
Molecular formula **C₁₁H₁₅NO₂ · HCl**
Relative molecular mass **229.71**

Tests	Results								
Appearance	white product								
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 = 57.29 %</td> <td>C = 57.07 %</td> </tr> <tr> <td>H = 7.04 %</td> <td>H = 6.93 %</td> </tr> <tr> <td>N = 6.07 %</td> <td>N = 6.11 %</td> </tr> </tbody> </table> <p>calc. as HCl (15.9 % Cl) x 0.05 H₂O (0.4 %)</p>	Theory	Found	C = 57.29 %	C = 57.07 %	H = 7.04 %	H = 6.93 %	N = 6.07 %	N = 6.11 %
Theory	Found								
C = 57.29 %	C = 57.07 %								
H = 7.04 %	H = 6.93 %								
N = 6.07 %	N = 6.11 %								
Identification (TLC)	complies with authentic material								
Melting point	141 °C								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.4%								
Chloride content (titration)	15.5%								

Latest update: May 11, 2017

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