

Analytical Data Sheet

Lot number **1072175**
not for drug use

Catalog number **N-1035.0001**
Product number **4007012.0001**
Product **Z- Phe- chloromethylketone**
Molecular formula **C₁₈H₁₈ClNO₃**
Relative molecular mass **331.80**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in CHCl ₃ /MeOH 1:1)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 65.16 %</td><td>C = 65.38 %</td></tr><tr><td>H = 5.47 %</td><td>H = 5.47 %</td></tr><tr><td>N = 4.22 %</td><td>N = 4.20 %</td></tr></tbody></table>	Theory	Found	C = 65.16 %	C = 65.38 %	H = 5.47 %	H = 5.47 %	N = 4.22 %	N = 4.20 %
Theory	Found								
C = 65.16 %	C = 65.38 %								
H = 5.47 %	H = 5.47 %								
N = 4.22 %	N = 4.20 %								
Identification (TLC)	conforms with authentic material								
Melting point	108 °C								
Specific optical rotation	$[\alpha]_D^{24} = -50.5^\circ$ (1 % in MeOH)								
Purity (TLC)	> 98%								
TLC conditions	ethylacetate/hexane 4/5 chloroform/ethylacetate 9/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	100.3% (Cth 65.16 %, Cfd 65.38 %)								

Latest update: June 19, 2017

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