

Analytical Data Sheet

Lot number **1052617**
not for drug use

Catalog number **N-1035.0005**
Product number **4007012.0005**
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) | 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 %) |