

# Analytical Data Sheet

Lot number

**1020558**

not for drug use

<b>Catalog Number</b>	<b>N-1220.0025</b>
<b>Product number</b>	<b>4013720.0025</b>
<b>Product</b>	<b>Z- Ala- Pro- Phe- chloromethylketone</b>
<b>Molecular formula</b>	$C_{26}H_{30}ClN_3O_5$
<b>Relative molecular mass</b>	499.99

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (25 mg/ml in AcOH) (warmed)
<b>Identification (ESI-MS)</b>	m = 499.9u (average mass)
<b>Identification (TLC)</b>	complies with authentic material
<b>Purity (TLC)</b>	> 98%
<b>TLC conditions</b>	chloroform/ethylacetate 1/1 hexane/ethylacetate (2:8) plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Assay (elemental analysis)</b>	93.7% (Nth 8.40 %, Nfd 7.87 %)
<b>Water content (KF volumetric)</b>	0.4%
<b>Residual organic solvents (GC)</b>	none detected
Latest update: November 19, 2008	<b>Analytical Data Sheet</b> Lot number <b>1020558</b>