

Analytical Data Sheet

Lot number **1057257**
not for drug use

Catalog number **E-1155.0025**
Product number **4002473.0025**
Product **Ac- Phe- OH**
Molecular formula $C_{11}H_{13}NO_3$
Relative molecular mass 207.23

Tests	Results								
Appearance	white powder								
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 = 63.8 %</td><td>C = 63.8 %</td></tr><tr><td>H = 6.3 %</td><td>H = 6.5 %</td></tr><tr><td>N = 6.8 %</td><td>N = 6.7 %</td></tr></tbody></table>	Theory	Found	C = 63.8 %	C = 63.8 %	H = 6.3 %	H = 6.5 %	N = 6.8 %	N = 6.7 %
Theory	Found								
C = 63.8 %	C = 63.8 %								
H = 6.3 %	H = 6.5 %								
N = 6.8 %	N = 6.7 %								
Identification (TLC)	complies with authentic material								
Melting point	166 °C								
Specific optical rotation	$[\alpha]_D^{24} = +40.6^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								