

Analytical Data Sheet

Lot number **1056742**
not for drug use

Catalog number **E-3270.0025**
Product number **4026397.0025**
Product **H- Phe- cyclohexylamide**
Molecular formula **C₁₅H₂₂N₂O**
Relative molecular mass **246.36**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 73.13 %</td><td>C = 73.10 %</td></tr><tr><td>H = 9.00 %</td><td>H = 8.99 %</td></tr><tr><td>N = 11.37 %</td><td>N = 11.45 %</td></tr></tbody></table>	Theory	Found	C = 73.13 %	C = 73.10 %	H = 9.00 %	H = 8.99 %	N = 11.37 %	N = 11.45 %
Theory	Found								
C = 73.13 %	C = 73.10 %								
H = 9.00 %	H = 8.99 %								
N = 11.37 %	N = 11.45 %								
Identification (TLC)	conforms with authentic material								
Melting point	101 °C								
Specific optical rotation	$[\alpha]_D^{24} = +40.2^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	100.7% (Nth 11.37 %, Nfd 11.45 %)								