

Analytical Data Sheet

Lot number **1068113**
not for drug use

Catalog number **K-1445.0005**
Product number **4000890.0005**
Product **H- Phe- β NA**
Molecular formula **C₁₉H₁₈N₂O**
Relative molecular mass **290.37**

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 = 77.9 %</td><td>C = 77.9 %</td></tr><tr><td>H = 6.1 %</td><td>H = 6.3 %</td></tr><tr><td>N = 9.5 %</td><td>N = 9.6 %</td></tr></tbody></table> calc. as 0.15 H ₂ O (0.92 %)	Theory	Found	C = 77.9 %	C = 77.9 %	H = 6.1 %	H = 6.3 %	N = 9.5 %	N = 9.6 %
Theory	Found								
C = 77.9 %	C = 77.9 %								
H = 6.1 %	H = 6.3 %								
N = 9.5 %	N = 9.6 %								
Identification (TLC)	complies with authentic material								
Melting point	128 °C								
Purity (TLC)	> 99%								
Related impurities (TLC)	≤ 0.1% β -Naphthylamine								
TLC conditions	chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	98.7% (Nth 9.65%, Nfd 9.52%)								
Water content (KF volumetric)	1.0%								

Latest update: October 03, 2016

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