

## Analytical Data Sheet

**Lot number** **1000052940**  
not for drug use

**Product** H-Phe-βNA  
**Product number** **4000890.0001**  
**Molecular formula** C<sub>19</sub>H<sub>18</sub>N<sub>2</sub>O  
**Relative molecular mass** 290.37

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in methanol)
<b>Identification (elemental analysis)</b>	C-Value 77.9% H-Value 6.3% N-Value 9.6% calc. as 0.15 H <sub>2</sub> O (0.92%)
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	128° C
<b>Purity (TLC)</b>	> 99%
<b>Related impurities (TLC)</b>	< 0.1% β-naphtylamine
<b>TLC conditions</b>	chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Assay (elemental analysis)</b>	98.5% (Nth 9.65%, Nfd 9.51%)
<b>Water content (KF volumetric)</b>	1.0%

Latest update: August 16, 2021

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