

**Analytical Data Sheet**

**Lot number** **1000053869**  
not for drug use

**Product** H-Ala-βNA  
**Product number** **4025041.0005**  
**Molecular formula** C<sub>13</sub>H<sub>14</sub>N<sub>2</sub>O  
**Relative molecular mass** 214.27

Tests	Results
<b>Appearance</b>	off-white powder
<b>Appearance of solution</b>	clear, yellowish solution (Ph. Eur. BY5)
<b>Identification (elemental analysis)</b>	C-Value 72.7% H-Value 6.6% N-Value 13.1%
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	104° C
<b>Specific optical rotation</b>	[α] <sub>D</sub> <sup>24</sup> = - 4.8° (1% in methanol)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Assay (titration)</b>	99.7% (HClO <sub>4</sub> )
<b>Water content (KF volumetric)</b>	0.3%

Latest update: August 23, 2021

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