

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	06119
<b>Product</b>	<b>L-Leucine <math>\alpha</math>-naphthylamide</b>
	L-Leu- $\alpha$ NA
<b>CAS Number</b>	203793-55-9
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>20</sub> N <sub>2</sub> O
<b>Molecular Weight</b>	256.35
<b>Melting Point</b>	79-85 °C
<b>Elemental Analysis (Theory)</b>	C = 73.67%; H = 7.92%; N = 10.74%; H <sub>2</sub> O = 1.73%
<b>Elemental Analysis (Found)</b>	C = 73.67 $\pm$ 0.5%; H = 7.92 $\pm$ 0.5%; N = 10.74 $\pm$ 0.5%; H <sub>2</sub> O = 1.73 $\pm$ 0.5%
<b>TLC System</b>	Chloroform/Methanol (9:1) Chloroform/Methanol/Acetic acid/H <sub>2</sub> O (70:42:0.5:10) Detected by: UV, Ninhydrin, Greig-Liebeck
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>24</sup> = +12 $\pm$ 2° (C=1 in MeOH)
<b>Peptide Content</b>	$\geq$ 98%
<b>Purity by TLC</b>	$\geq$ 98%
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**