

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	06187
<b>Product</b>	<b>L-Phenvlalanine <math>\beta</math>-naphthvlamide</b> L-Phe- $\beta$ NA
<b>CAS Number</b>	740-57-8
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>18</sub> N <sub>2</sub> O
<b>Molecular Weight</b>	290.32

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<b>Appearance</b>	White powder
<b>Appearance of Solution</b>	Clear, colorless solution (50 mg/ml in methanol)
<b>Melting Point</b>	126 - 129 °C
<b>Elemental Analysis (Theory)</b>	C=77.9 $\pm$ 0.5%, H=6.1 $\pm$ 0.5%, N = 9.5 $\pm$ 0.5% Calc. as 0.15 H <sub>2</sub> O (0.92%)
<b>Water Content (Karl Fisher)</b>	$\leq$ 1%
<b>TLC System</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>Related Substances</b>	Related impurities (TLC) : $\leq$ 0.1% $\beta$ -naphthylamine
<b>Assay</b>	$\geq$ 98% (elemental analysis, Nth : 9.65%)
<b>Purity by TLC</b>	$\geq$ 99%
<b>Application</b>	Substrate for aminopeptidase M (microsomal alanyl aminopeptidase).
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**