

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	03265
<b>Lot Number</b>	0536792
<b>Product</b>	<b><i>N</i><sup>α</sup>-Acetyl-L-tryptophan 4-nitrophenyl ester</b>  Ac-L-Trp-ONp
<b>CAS Number</b>	14009-92-8
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>17</sub> N <sub>3</sub> O <sub>5</sub>
<b>Molecular Weight</b>	367.4

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<b>Appearance</b>	Yellowish-greenish powder
<b>Solubility</b>	Clear, yellowish solution (50mg/mL in Methanol)
<b>Elemental Analysis (Theory)</b>	C = 62.12%; H = 4.66%; N = 11.44%
<b>Elemental Analysis (Found)</b>	C = 61.94%; H = 4.53%; N = 11.38%
<b>TLC System</b>	Chloroform/Methanol (9:1) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Chloroform/Methanol/Acetic Acid (98-100%)/H <sub>2</sub> O (45:13:1:2) Plate: Silica gel 60 F <sub>254</sub> Methanol 80% Plate: RP-8 Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -16.4° (C=1 in Dioxane)
<b>Purity by TLC</b>	> 98%
<b>Storage</b>	Store at 0-8°C

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**