

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	08074
<b>Lot Number</b>	000127-1000089092
<b>Product</b>	<b>Fmoc-L-<i>allo</i>-threoninol</b> Fmoc- <i>allo</i> -L-Thr-ol
<b>CAS Number</b>	252049-03-9
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>21</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	327.38
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/mL in dioxane)
<b>Water Content (Karl Fisher)</b>	0.3%
<b>TLC System</b>	Toluene / dioxane / acetic acid, 95/25/4 Chloroform / methanol / acetic acid / water, 85/13/0.5/1.5 Chloroform / methanol / acetic acid, 85/10/5 Plate : Silicagel 60 F <sub>254</sub> Detected by : UV, ninhydrin, TMB
<b>Assay</b>	97.8% (Cfd : 68.17, Elemental analysis)
<b>Other Enantiomer</b>	L-Thr : 0.2% D-Thr : < 0.1% D- <i>allo</i> -Thr : < 0.1%
<b>Purity by HPLC</b>	98.4%
<b>Purity by TLC</b>	> 98%
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	Acetic acid content : 0.006%
<b>Remarks</b>	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