



# INDOFINE Chemical Company, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	04-912
<b>Product Name</b>	<i>N</i> <sup>α</sup> -Boc-L-tryptophan <i>N</i> -hydroxysuccinimide ester Boc-L-Trp-OSu
<b>Lot Number</b>	120227-31707
<b>CAS Registry Number</b>	3392-11-8
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>23</sub> N <sub>3</sub> O <sub>6</sub>
<b>Molecular Weight</b>	401.42
<b>Appearance</b>	White to off-white powder
<b>Melting point</b>	143.1-144.3 °C
<b>Clarity of solution</b>	Clear solution (0.3g in 2mL of DMF)
<b>NMR spectrum</b>	Conforms to structure
<b>IR spectrum</b>	Conforms to structure
<b>Mass spectrum</b>	Conforms to standard
<b>Water content (K.F)</b>	0.22%
<b>Loss on drying</b>	0.79% (70 °C , 2h)
<b>Purity (HPLC)</b>	99.00%
<b>Storage</b>	Store at -0°C.

Prepared by:

*Ramesh Mandadi*

Ramesh Mandadi  
Director of Operations

Reviewed and Approved by:

*Sujata Moton*

Sujata Moton  
VP