

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	23091
<b>Lot Number</b>	000603-080115
<b>Product</b>	<b>(+)-Biotin-(PEO)<sub>4</sub>-NHS-propionate</b>
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>40</sub> N <sub>4</sub> SO <sub>10</sub>
<b>Molecular Weight</b>	588.67

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<b>Appearance</b>	White to off-white solid
<b>Melting Point</b>	88-90 °C
<b>Elemental Analysis (Theory)</b>	C = 51.00%; H = 6.84%; N = 9.51%
<b>Elemental Analysis (Found)</b>	C = 50.96%; H = 6.82%; N = 9.51%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity</b>	99.9% (NMR)
<b>Storage</b>	Store at 0-8 °C
<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**