

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	22982
<b>Lot Number</b>	002494-20181103
<b>Product</b>	<b>Biotin 3-sulfo-<i>N</i>-hydroxysuccinimide ester</b> Sulfo-succinimidyl (+)-Biotin
<b>CAS Number</b>	119616-38-5
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>18</sub> N <sub>3</sub> S <sub>2</sub> O <sub>8</sub> Na
<b>Molecular Weight</b>	443.42

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<b>Appearance</b>	White solid
<b>Solubility</b>	Clear solution in DMF and DMSO
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity</b>	> 98% (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