

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	47716
<b>Lot Number</b>	000129-220570
<b>Product</b>	<b><i>N</i>-(13-Amino-4,7,10-trioxatridecanyl)-D-Biotin-TOTA</b>
<b>CAS Number</b>	183896-00-6
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>38</sub> N <sub>4</sub> O <sub>5</sub> S
<b>Molecular Weight</b>	446.6

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<b>Appearance</b>	Off-white powder Hygroscopic!
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 44.9 ° (C=1 in MeOH)
<b>Assay by titration</b>	96.5%
<b>Purity by HPLC</b>	98.3%
<b>Purity by TLC</b>	> 98%
<b>Storage</b>	Store at 2 - 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