

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	11842
<b>Product</b>	<b>Boc-N<sup>in</sup>-formyl-D-1,2,3,4-tetrahydronorharmane-3-carboxylic acid</b>
<b>Lot Number</b>	2 Boc-D-Tpi(For)-OH
<b>CAS Number</b>	327603-49-6
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>20</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	344.35

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	88-99 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -80.3° (C=1 in EtOAc)
<b>Residual Solvents</b>	Dimethylacetamide
<b>Assay by titration</b>	86.1%
<b>Purity by HPLC</b>	99.2% (Without dimethylacetamide peak)
<b>Purity by TLC</b>	> 99%
<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