

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	41089
<b>Lot Number</b>	001723-20200228
<b>Product</b>	<b>(S)-(-)-1-Methyl-2-(1-piperidinomethyl)</b> (S)-(-)-1-[(1-Methyl-2-pyrrolidinyl)methyl]piperidine
<b>CAS Number</b>	84466-85-3
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>22</sub> N <sub>2</sub>
<b>Molecular Weight</b>	182.31

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<b>Appearance</b>	Yellow liquid
<b>Optical Rotation</b>	$[\alpha]_{D}^{20} = -71$ to $-67^{\circ}$ (C = 0.5 in EtOH)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by GC</b>	100%
<b>GCMS</b>	Conforms to standard
<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