

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	02297
<b>Product</b>	<b>N-Cyclohexyl-N'-(2-morpholinoethyl) carbodiimide methyl-p-toluenesulfonate</b>
<b>Lot Number</b>	001331-20170501
	Morpho-CDI
<b>CAS Number</b>	2491-17-0
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>26</sub> N <sub>3</sub> O•C <sub>7</sub> H <sub>7</sub> O <sub>3</sub> S
<b>Molecular Weight</b>	423.6

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<b>Appearance</b>	White solid
<b>Melting Point</b>	116.6-117.5 °C
<b>Water Content (Karl Fisher)</b>	0.3%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity</b>	97.0% (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