

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	24050
<b>Lot Number</b>	090525
<b>Product</b>	<b>1-(3-Chloropropyl)-4-methylpiperazine dihydrochloride</b>
<b>CAS Number</b>	2031-23-4
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>19</sub> Cl <sub>3</sub> N <sub>2</sub>
<b>Molecular Weight</b>	248.06

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<b>Appearance</b>	White solid
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	95.21%
<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**