

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	26972
<b>Lot Number</b>	001932-1-20161201
<b>Product</b>	<b>1-(Pyrrolidinocarbonylmethyl)piperazine</b>  1-[2-(Piperazin-1-yl)acetyl]pyrrolidine
<b>CAS Number</b>	39890-45-4
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>19</sub> N <sub>3</sub> O
<b>Molecular Weight</b>	197.28

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<b>Appearance</b>	Off-white crystalline powder
<b>Water Content (Karl Fisher)</b>	0.23%
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.44%
<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