

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	17171
<b>Lot Number</b>	17171-081808-E
<b>Product</b>	<b>1-(4-Chlorobenzenesulfonyl)piperazine</b>  1-[4-(Chlorophenyl)sulfonyl]piperazine
<b>CAS Number</b>	16017-53-1
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>13</sub> ClN <sub>2</sub> O <sub>2</sub> S
<b>Molecular Weight</b>	260.74

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<b>Appearance</b>	White crystalline powder
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	100%
<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