

# Chem-Impex International, Inc.

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Manufacturing site:

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## Certificate of Analysis

<b>Catalogue Number</b>	23342
<b>Product</b>	<b>4-(4-Methylphenoxy)benzenesulfonyl chloride</b>
<b>Lot Number</b>	001419-0746
<b>CAS Number</b>	192329-90-1
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>11</sub> ClO <sub>3</sub> S
<b>Molecular Weight</b>	282.75

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	54.6 °C
<b>Elemental Analysis (Found)</b>	Cl = 12.7%
<b>Water Content (Karl Fisher)</b>	0.0%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity</b>	100% (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**