

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	23381
<b>Lot Number</b>	001588-DNF-0236
<b>Product</b>	<b>3',4'-Dichloro[1,1'-biphenyl]-4-sulfonyl chloride</b> [4-(3,4-dichlorophenyl)phenyl]sulphonyl chloride
<b>CAS Number</b>	501697-80-9
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>7</sub> Cl <sub>3</sub> O <sub>2</sub> S
<b>Molecular Weight</b>	321.61

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<b>Appearance</b>	White crystals
<b>Melting Point</b>	105.3 - 106.1 °C
<b>Elemental Analysis (Found)</b>	C = 44.77%; H = 2.15%; Cl = 33.08%; S = 9.87%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity</b>	> 96% (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