

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	23389
<b>Lot Number</b>	V1617-23389-020311
<b>Product</b>	<b>(3,4-Dichlorophenyl)-methanesulfonyl chloride</b>  [(3,4-Dichlorophenyl)methyl]sulfonyl chloride  3,4-Dichloro- $\alpha$ -toluenesulfonyl chloride
<b>CAS Number</b>	85952-30-3
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>5</sub> Cl <sub>3</sub> O <sub>2</sub> S
<b>Molecular Weight</b>	259.54

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<b>Appearance</b>	White crystals
<b>Solubility</b>	Soluble in Benzene, Chloroform
<b>Melting Point</b>	69-70 °C
<b>Elemental Analysis (Theory)</b>	C = 32.40%; H = 1.94%; Cl = 40.98%
<b>Elemental Analysis (Found)</b>	C = 32.56%; H = 1.91%; Cl = 40.91%
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	> 95.9%
<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