

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	00490
<b>Lot Number</b>	000021-20210103
<b>Product</b>	<b>4-Toluenesulfonyl chloride</b> Tosyl chloride
<b>CAS Number</b>	98-59-9
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>7</sub> ClO <sub>2</sub> S
<b>Molecular Weight</b>	190.65

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<b>Appearance</b>	White crystalline powder
<b>Color (APHA)</b>	15
<b>Melting Point</b>	67.2 °C
<b>Loss on Drying</b>	0.04%
<b>Related Substances</b>	o-Toluene sulfonyl chloride : 0.1%
<b>Assay by titration</b>	99.6%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Free acid : 0.03%
<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