

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	44299
<b>Product</b>	<b>3,4-Thiophenedicarboxylic acid</b>
<b>CAS Number</b>	4282-29-5
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>4</sub> O <sub>4</sub> S
<b>Molecular Weight</b>	172.15

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<b>Warnings</b>	<i>Air sensitive! Store under inert gas!</i>
<b>Appearance</b>	White to yellow to orange crystalline powder
<b>Solubility</b>	Soluble in methanol
<b>Melting Point</b>	230 - 234 °C
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay by titration</b>	≥ 98%
<b>Purity by GC</b>	≥ 98%
<b>Storage</b>	Store at 2 - 8 °C
<b>Additional Information</b>	$\lambda_{\max} = 240(\text{H}_2\text{O})$ nm

**For Laboratory Use Only**