

# 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>	25000
<b>Lot Number</b>	001419-1486
<b>Product</b>	<b>4-(4-Methyl-piperazin-1-yl)-4-oxo-butvric acid</b>
<b>CAS Number</b>	72547-44-5
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	200.24

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<b>Appearance</b>	Light yellow crystalline powder
<b>Melting Point</b>	125.8 °C
<b>Water Content (Karl Fisher)</b>	0.32%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay</b>	96%
<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