

# 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>	33769
<b>Lot Number</b>	003155-190901
<b>Product</b>	<b><math>\gamma</math>-Undecalactone</b> Undecanoic $\gamma$ -lactone
<b>CAS Number</b>	104-67-6
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>20</sub> O <sub>2</sub>
<b>Molecular Weight</b>	184.28

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<b>Appearance</b>	Colorless or slightly yellow liquid
<b>Odor</b>	Fruity peach like odor
<b>Specific Gravity</b>	0.942 at 25 °C
<b>Refractive Index</b>	n <sub>20</sub> /D 1.448
<b>Acid value</b>	0.24 mg KOH/g
<b>Purity by GC</b>	98.57%
<b>Grade</b>	FG, Kosher, FEMA 3091
<b>Storage</b>	Store at RT
<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