

# Chem-Impex International, Inc.

---

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

---

## Certificate of Analysis

<b>Catalogue Number</b>	01867
<b>Lot Number</b>	000547-50362
<b>Product</b>	<b>Linoleoyl-L-carnitine chloride</b>
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>44</sub> O <sub>4</sub> NCl
<b>Molecular Weight</b>	460.1

---

<b>Appearance</b>	Viscous solid
<b>Solubility</b>	25 mg of linoleoyl-L-carnitine chloride per mL of chloroform
<b>Elemental Analysis (Found)</b>	C = 65.27%; H = 10.76%; N = 3.00%
<b>TLC System</b>	Chloroform/Methanol/0.1M Sodium acetate: (4:4:1) Plate: Silica gel G R <sub>f</sub> = 0.62 Visualized: Iodine
<b>Purity by TLC</b>	> 98.0%
<b>Storage</b>	Store at ≤ -4 °C
<b>Additional Information</b>	Source: A synthetic preparation, using pure L-Carnitine chloride and Linoleic acid. Purification by column chromatography and solvent precipitation. Supplied as a chloroform solution. It is recommended that CHCl <sub>3</sub> be removed on a rotavap and then dissolve the product in a suitable buffer. CHCl <sub>3</sub> is used to avoid hydrolysis in storage.
<b>Country of Origin</b>	USA
<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