

# **Chem-Impex International, Inc.**

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## **Certificate of Analysis**

<b>Catalog Number</b>	10614
<b>Product Name</b>	<b>3-Palmitoyl-<i>sn</i>-glycerol</b> L- $\alpha$ -Palmitin
<b>Lot Number</b>	1027759
<b>CAS Registry Number</b>	32899-41-5
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>38</sub> O <sub>4</sub>
<b>Molecular Weight</b>	330.51
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/ml in CHCl <sub>3</sub> )
<b>Optical Rotation</b>	$\alpha_{365}^{24} = -10.1^{\circ}$ (7.5% in pyridine)
<b>Identification (elemental analysis)</b>	Theory: C = 69.1% , H = 11.6% Found: C = 69.0% , H = 11.2%
<b>Assay (elemental analysis)</b>	Based on Carbon content: 100.0% Theory C: 69.05% , Found C: 69.02%
<b>Identification (TLC)</b>	Complies to authentic material
<b>Purity by TLC</b>	>98%
<b>CHCl<sub>3</sub>/MeOH/Acetic acid (90/8/2)</b>	Plate : Silicagel 60 F <sub>254</sub>
<b>CHCl<sub>3</sub>/MeOH (9/1)</b>	Detected by: UV, Ammoniummolybdate, Rhodamin B
<b>Water content (KF volumetric)</b>	0.2%
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	See Material Safety Data Sheets 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**