

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	09945
<b>Lot Number</b>	000127-1037722
<b>Product</b>	<b>sn-Glycero-3-phosphocholine</b>
<b>CAS Number</b>	28319-77-9
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>20</sub> NO <sub>6</sub> P
<b>Molecular Weight</b>	257.2
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/mL in water)
<b>Elemental Analysis (Theory)</b>	C = 37.1%; H = 7.9%; N = 5.4% (calc. x 0.1 H <sub>2</sub> O; 0.7%)
<b>Elemental Analysis (Found)</b>	C = 36.9%; H = 7.6%; N = 5.3% (calc. x 0.1 H <sub>2</sub> O; 0.7%)
<b>Water Content (Karl Fisher)</b>	0.8%
<b>TLC System</b>	n-butanol/acetic acid/H <sub>2</sub> O (4:2:2) isopropanol/ammonia conc. (1:1) methanol/chloroform/ammonia 17% (2:2:1) Plate: Silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, TMB, ammoniummolybdate
<b>Infrared Spectrum</b>	Conforms to structure
<b>Assay</b>	98.8% (Elemental analysis, Cth 37.36%, Cfd 36.90%)
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8°C

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**Remarks**

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**

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

**Bala Kumar**  
**Quality Control Manager**