

# Chem-Impex International, Inc.

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Manufacturing site:

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Wood Dale, IL 60191

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## Certificate of Analysis

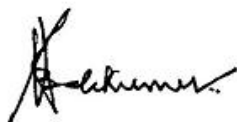
<b>Catalogue Number</b>	29749
<b>Lot Number</b>	002123-0127
<b>Product</b>	<b>1,2-Distearoyl-sn-glycero-3-phosphoethanolamine</b> 1,2-Dioctadecanoyl-sn-glycero-3-phosphoethanolamine
<b>CAS Number</b>	1069-79-0
<b>Molecular Formula</b>	C <sub>41</sub> H <sub>82</sub> NO <sub>8</sub> P
<b>Molecular Weight</b>	748.07

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<b>Appearance</b>	White powder
<b>Melting Point</b>	196 °C
<b>Water Content (Karl Fisher)</b>	0.1%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = + 5.5 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Fatty acids &amp; Esters</b>	99.9% (Fatty acid)
<b>Loss on Drying</b>	< 0.05%
<b>Purity by HPLC</b>	98.9%
<b>Purity by TLC</b>	99.1%
<b>Storage</b>	Store at -20 °C

**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



**Bala Kumar**  
Quality Control Manager