

**Analytical Data Sheet**

<b>Lot number</b>	<b>1000040020</b> not for drug use
<b>Product</b>	1-Palmitoyl-sn-glycero-3-phosphocholine
<b>Product number</b>	<b>4004280.0100</b>
<b>Molecular formula</b>	C <sub>24</sub> H <sub>50</sub> NO <sub>7</sub> P
<b>Relative molecular mass</b>	495.64

<b>Tests</b>	<b>Results</b>
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in methanol/chloroform 1/1)
<b>Identification (elemental analysis)</b>	C-Value 57.2% H-Value 9.8% N-Value 2.7% calc. x 0.3 H <sub>2</sub> O (1.1%)
<b>Identification (TLC)</b>	Rf value in agreement with authentic material
<b>Specific optical rotation</b>	$[\alpha]_{365}^{24} = -10.5^\circ$ (1% in chloroform/methanol 9/1)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	chloroform/methanol/acetic acid/ H <sub>2</sub> O 70/42/0.5/10 chloroform/methanol/H <sub>2</sub> O 5/4/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ammoniummolybdate, rhodamin B
<b>Assay (elemental analysis)</b>	98.9% (Cth 58.16%, Cfd 57.52%)
<b>Water content (KF volumetric)</b>	0.8%

Latest update: October 09, 2020

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