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Certificate of Analysis

Catalogue Number	10547
Product	1-Myristoyl-<i>sn</i>-glycero-3-phosphocholine
Lot Number	000127-1041546 1-Myristoyl-2-hydroxy- <i>sn</i> -glycero-3-phosphatidylcholine
CAS Number	20559-16-4
Molecular Formula	C ₂₂ H ₄₆ NO ₇ P
Molecular Weight	467.58

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in Methanol)
Elemental Analysis (Theory)	C = 56.5%; H = 9.9%; N = 3.0%
Elemental Analysis (Found)	C = 56.1%; H = 9.7%; N = 3.0%
Water Content (Karl Fisher)	0.2%
TLC System	Chloroform/Methanol/Acetic acid 32% (5:3:1) Chloroform/Methanol/Acetic acid/H ₂ O (70:42:0.5:10) Plate: silicagel 60 F ₂₅₄ Detected by: UV, TMB, Rhodamin B
Optical Rotation	[α] ₃₆₅ ²⁴ = +7.0° (C=2% in MeOH)
Assay	99.2% (Cth 56.51%, Cfd 56.08%)
Purity by TLC	> 95%
Storage	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



Bala Kumar
Quality Control Manager